

W. ROBINSON EUROPE B.V.



PUMPS AND PUMPING



Pages 42-45

PERIPHERAL		
PM		6
CP		7
MD		8
SELF-PRIMING		
CAM		9
CAB		11
INOX		12
MPX		13
AP		15
CENTRIFUGAL		
CM		16
CR		18
CS		19
All Items Section E		

CH		22
CB		24
MB		26
CENTRIFUGAL		
CM EN 733 - 2900 r.p.m.		28
MULTISTAGE		
ULTRA		38
ULTRA S		42
ULTRA SV/SLX		46
PRESSURE SYSTEM		
SUPERDOMUS		59
2 PUMPS PRESSURE SYSTEM		
2 ULTRA & ULTRA S Booster Set		61
2 ULTRA SV/SLX Booster Set		64

- INDEX -

3 PUMPS PRESSURE SYSTEM

3 ULTRA SV/SLX Booster Set



68

PRESSURE SYSTEM + VSD

SUPERDOMUS+VSD



73

PRESSURE SYSTEM + VSD

ULTRA SV/SLX+VSD Booster Set



75

ULTRA SLXG+VSD Booster Set



76

2 ULTRA S+VSD Booster Set

●

2 PUMP PRESSURE SYSTEM + VSD

2 ULTRA SV/SLX+VSD Booster Set



80

3 PUMP PRESSURE SYSTEM + VSD

3 ULTRA SV/SLX+VSD Booster Set

●

SUBMERSIBLES

DP



86

DP/DPV



87

DX



88

DH



89

DC



90

DTR with grinder



94

SUBMERSED		
4PS		97
5PES		98
3S		100
4S/A		101
6S		106
EN/E/RN/RG/R		110

For the complete catalogue please contact our Sales Dpt.

SUBMERSED		
ACCESSORIES		112





PM



PM 45 A



PM 45 BR

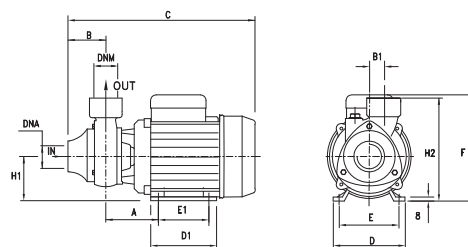
Peripheral positive displacement pumps for small household systems and simple industrial applications. High pressure with limited flow rates.

PM 45, 65, 80 & 90 Cast iron pump body, brass impeller, non self priming.

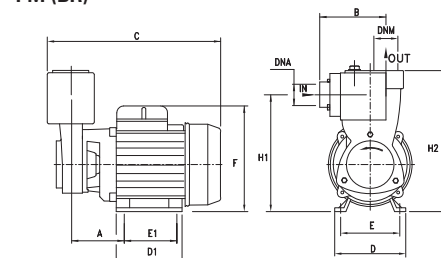
PM 45 A as above but Self priming.

PM 45 BR Brass pump body and impeller.

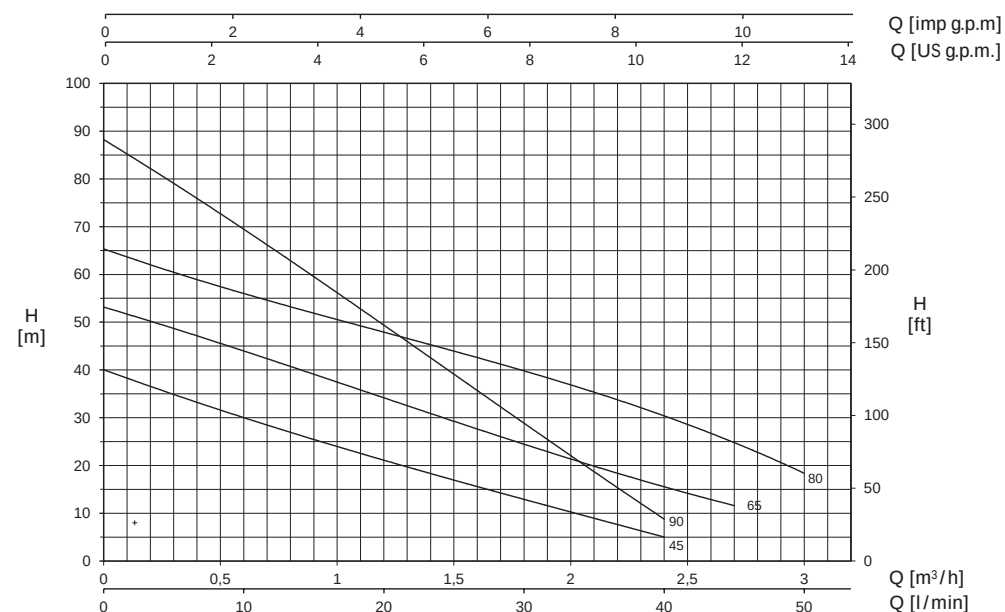
CONSTRUCTION FEATURES	
Pump body	cast iron, bronze (PM 45BR)
Motor bracket	cast iron, cast iron or bronze (PM 45BR)
Impeller	brass
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar (PM 45) max 8 bar (PM 65, PM 80) max 9 bar (PM 90)
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



PM (BR)



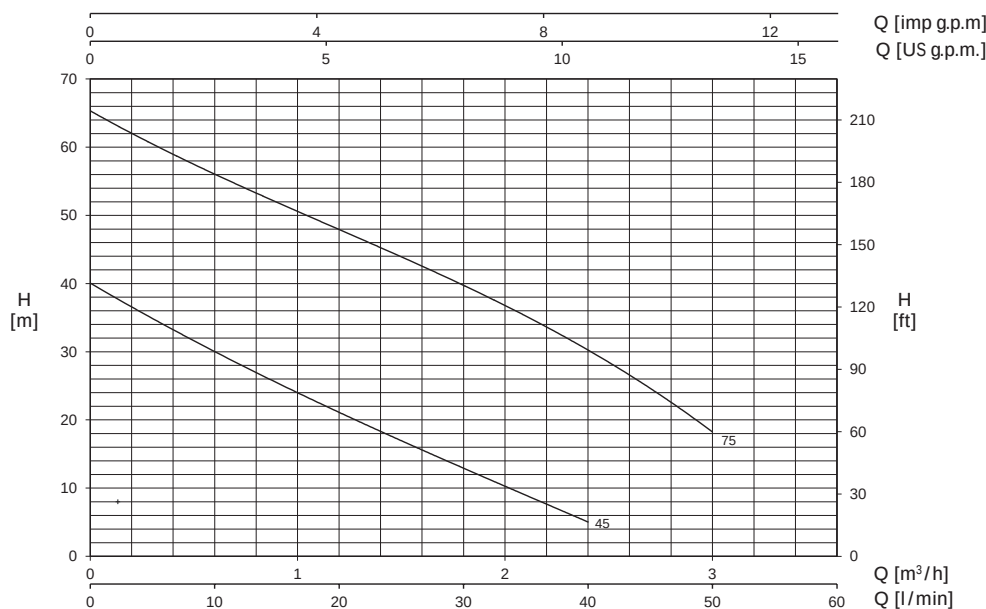
PM 45A



TYPE PM		1 x 230v	3 x 400v
1~	3~	CODE	CODE
PM 45	PMT 45	1000-0005	1000-0010
PM 45 BR	PMT 45 BR	022-020	022-024
PM 45 A	PMT 45 A	1000-0015	1000-0020
PM 65	PMT 65	1000-0025	1000-0030
PM 80	PMT 80	1000-0035	1000-0040
PM 90	PMT 90	022-050	022-052

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~	(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
								0	0,3	0,6	1,2	1,8	2,4	2,7	3
								0	5	10	20	30	40	45	50
PM 45	PMT 45	0,5	0,37	0,5	0,5	2,3	1	40	35	30	21	13	5	—	—
PM 45BR	PMT 45BR	0,5	0,37	0,5	0,5	2,3	1	40	35	30	21	13	5	—	—
PM 45A	PMT 45A	0,5	0,37	0,5	0,5	2,3	1	40	35	30	21	13	5	—	—
PM 65	PMT 65	0,7	0,5	0,9	0,9	4	1,7	53,1	48,8	44,1	33,8	24,7	15,5	11,6	—
PM 80	PMT 80	1	0,74	1,1	1,1	5,2	2	65	61	56	48	39	31	25,1	18
PM 90	PMT 90	1	0,74	1,2	1,1	5,6	2	88,2	79,2	69,3	49,5	28,8	8,8	—	—

TYPE	DIMENSIONS (mm)													Kg
	A	B	B1	C	D	D1	E	E1	F	H1	H2	DNA	DNM	
PM 45	63	50	20	260	120	101	100	80	158	63	143	1" G	1" G	5,7
PM 45 BR	63	50	20	260	120	101	100	80	158	63	143	1" G	1" G	5,7
PM 45A	63	89	20	240	120	101	100	80	158	150	184	1" G	1" G	6
PM 65	70	56	20	271	120	101	100	80	158	63	152,2	1" G	1" G	7,9
PM 80	71,5	50	20	294	135	112	112	90	172	71	160	1" G	1" G	9,5
PM 90	74,5	50	19	286	135	112	112	90	172	71	158	1" G	1" G	10,5

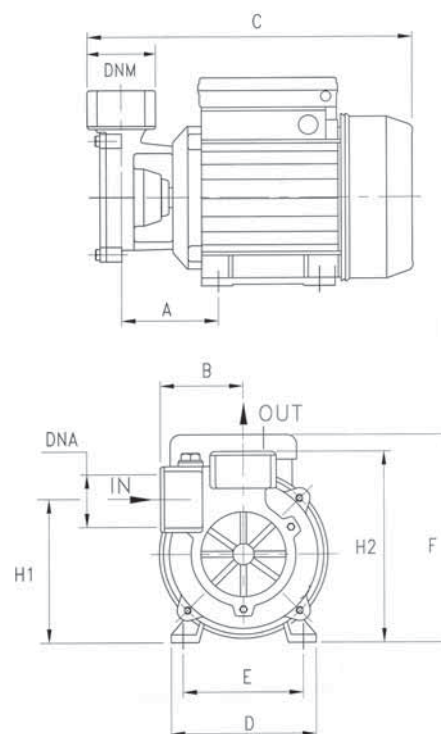


TYPE CP		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CP45	CPT45	1000-0045	1000-0050
CP75	CPT75	1000-0055	1000-0060

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)					
1~	3~					1~	3~	0,3	0,6	1,2	1,8	2,4	3
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)					
CP 45	CPT 45	0,5	0,37	0,5	0,5	2,3	1	35	30	21	13	5	—
CP 75	CPT 75	1	0,74	1,11	1,13	5,2	2	61	56	48	39	31	18

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CP 45	67	60	235	120	97	165	105	140	1"G	1"G	5.6
CP 75	71,5	60	263	135	112	172	124	156	1"G	1"G	9.5

CONSTRUCTION FEATURES	
Pump body	cast iron and brass
Motor bracket	cast iron
Impeller	brass
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 8 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



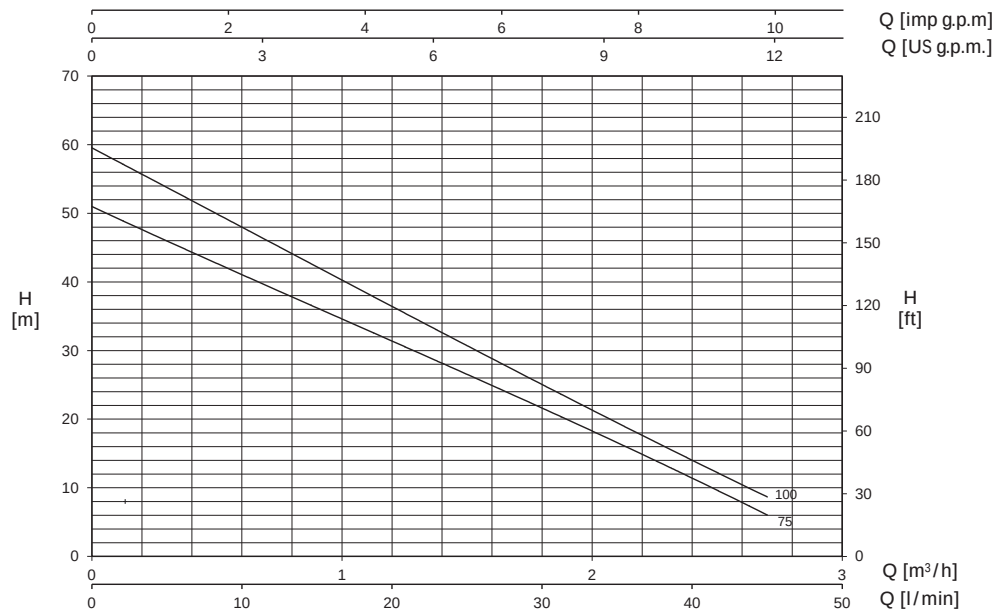
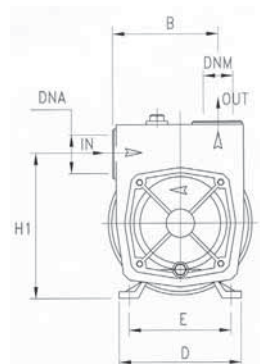
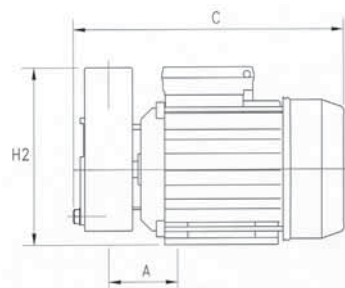
Peripheral positive displacement pumps with side suction for small household systems and simple industrial applications. Non self priming.

MD



Liquid positive displacement pump, self priming with star impeller that gives considerable suction power to the pump. Particularly suitable for diesel transfer.

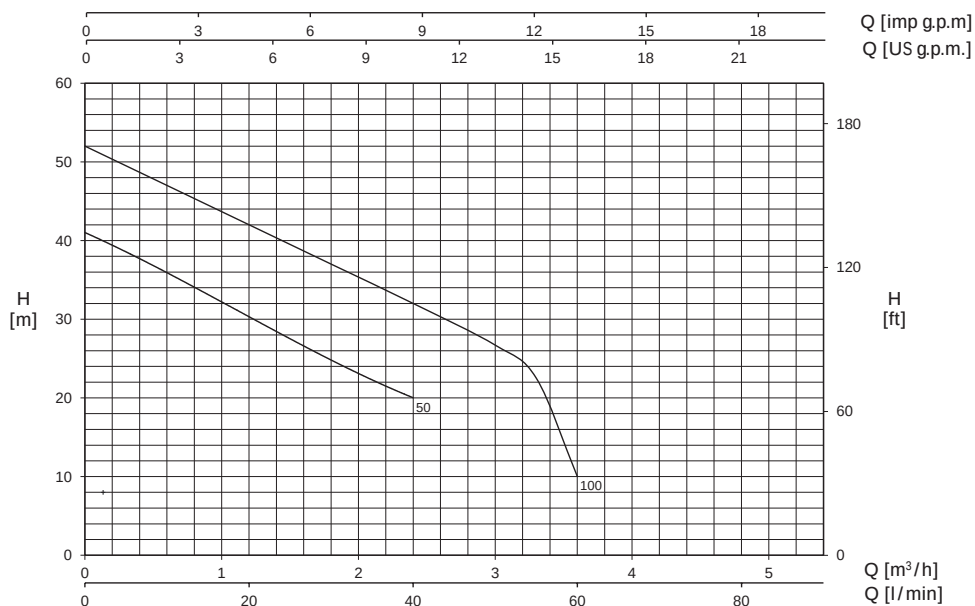
CONSTRUCTION FEATURES	
Pump body	cast iron and brass
Motor bracket	cast iron
Impeller	brass
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 90 °C
Operating pressure	max 8 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE MD		1 x 230v	3 x 400v
1~	3~	CODE	CODE
MD75	MDT75	1000-0065	1000-0070
MD100	MDT100	1000-0075	1000-0080

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)					
1~	3~					1~	3~	0,3	0,6	1,2	1,8	2,4	2,7
								5	10	20	30	40	45
								1x230 V 50 Hz	3x400 V 50 Hz	H (m)			
MD 75	MDT 75	(HP)	(kW)	1~	3~	5	1,7	46	41	31,5	21,5	11,5	6
MD 100	MDT 100	1,0	0,74	1,17	0,98	5,4	2,1	53	48	37	25	13,5	9

TYPE	DIMENSIONS (mm)									Kg
	A	B	C	D	E	H1	H2	DNA	DNM	
MD 75	70	98.5	270	135	112	141	170	1" G	1" G	11.1
MD 100	70	98.5	270	135	112	141	170	1" G	1" G	11.6

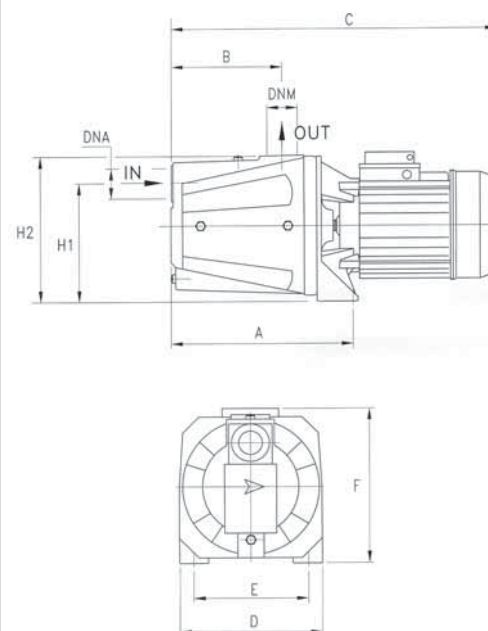


TYPE CAM		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CAM 50	CAMT 50	1000-0125	1000-0130
CAM 100	CAMT 100	1000-0135	1000-0140

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					1~	3~	0,6	1,2	1,8	2,4	3,0	3,6	4,2	4,8
								10	20	30	40	50	60	70	80
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
CAM 50	CAMT 50	(HP)	(kW)	1~	3~			36	30,2	24,9	20	—	—	—	—
CAM 100	CAMT 100	1	0,74	1,02	1,05	4,7	2,3	47	42	37	32	26,7	10	—	—

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CAM 50	230	140	420	180	140	195	152	185	1" G	1" G	15.4
CAM 100	230	140	420	180	140	195	152	185	1" G	1" G	17

CONSTRUCTION FEATURES	
Pump body	cast iron
Motor bracket	cast iron or aluminium (CAM 50-100) cast iron (CAM 150-300)
Impeller	Noryl®
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 6 bar (CAM 50-100) max 8 bar (CAM 150-300)
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



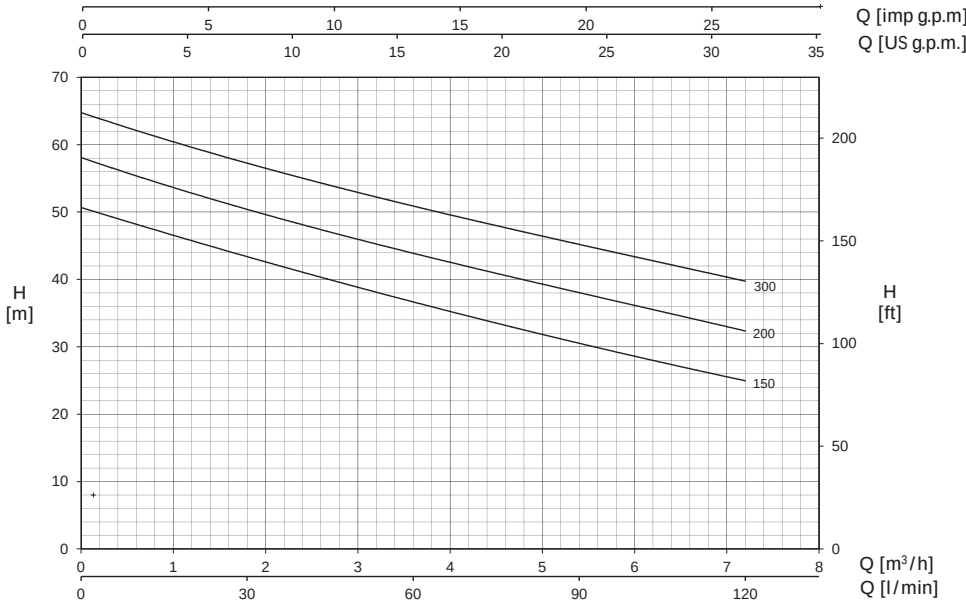
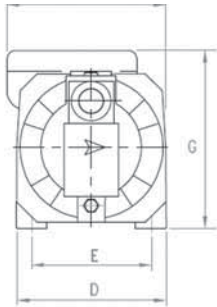
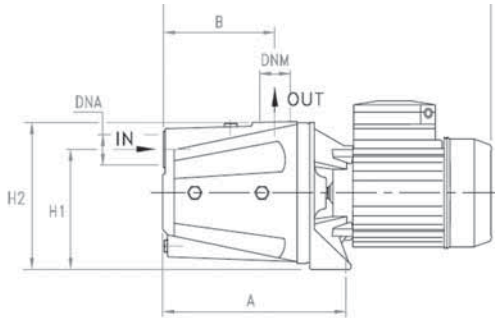
CAM 100

Self-priming centrifugal pump for water supplies in small household systems, connected to autoclave tanks, for transferring liquids and emptying tanks, also used for garden irrigation.

-CAM



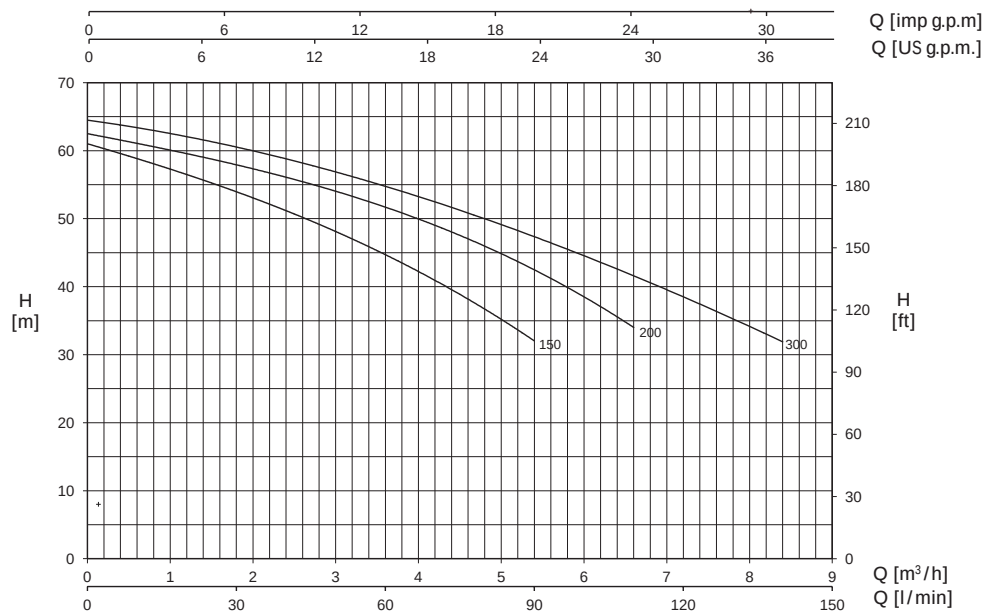
Self-priming centrifugal pump for water supplies in small household systems, connected to autoclave tanks, for transferring liquids and emptying tanks, also used for garden irrigation.



TYPE CAM		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CAM 150	CAMT 150	1000-0145	1000-0150
CAM 200	CAMT 200	1000-0155	1000-0160
-	CAMT 300	-	1000-0170

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	1,2	2,4	3,6	4,8	6	7,2	
								0	20	40	60	80	100	120	
								H (m)							
CAM 150	CAMT 150	1,5	1,1	1,9	1,8	8,2	3,4	50,7	45,7	41	36,8	32,5	28,5	25	
CAM 200	CAMT 200	2	1,5	2,2	2,1	9,8	3,9	58,1	52,8	48	44	40	36	32,4	
-	CAMT 300	3	2,2	-	2,5	-	4,8	64,8	59,5	55	51	47,1	43,2	39,8	

TYPE	DIMENSIONS (mm)											 Kg
	A	B	C	D	E	F	G	H1	H2	DNA	DNM	
CAM 150	269,6	167	506	203	165	220	231,5	175	220	1"1/2G	1"1/4G	24,5
CAM 200	269,6	167	506	203	165	220	231,5	175	220	1"1/2G	1"1/4G	25,5
CAM 300	269,6	167	506	203	165	220	231,5	175	220	1"1/2G	1"1/4G	26,5

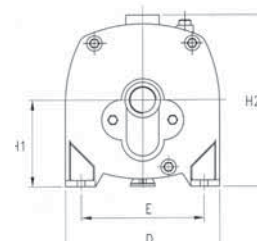
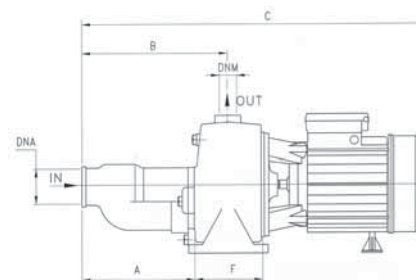


TYPE CAB		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CAB 150	CABT 150	1000-0175	1000-0180
CAB 200	CABT 200	1000-0185	1000-0190
CAB 300	CABT 300	1000-0195	1000-0200

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~					1~	3~	0	1,2	1,8	3	4,2	5,4	6,6	7,8	8,4	
								0	20	30	50	70	90	110	130	140	
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)									
CAB 150	CABT 150	1,5	1,1	1,74	1,68	7,9	3,3	61	56,5	54	48	41	32	—	—	—	
CAB 200	CABT 200	2	1,5	2,22	2,1	10,3	3,9	62,5	59,5	58	54	49	42,5	34	—	—	
CAB 300	CABT 300	3	2,2	2,65	2,5	11,8	4,9	64,5	62	60,5	57	52,5	47	42	35	32	

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CAB 150	204	257	596	220	177	105	112	240	1"1/2G	1"G	27.9
CAB 200	204	257	596	220	177	105	112	240	1"1/2G	1"G	28.7
CAB 300	204	257	596	220	177	105	112	240	1"1/2G	1"G	29.6

CONSTRUCTION FEATURES	
Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl®
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 303 hydraulic side
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44

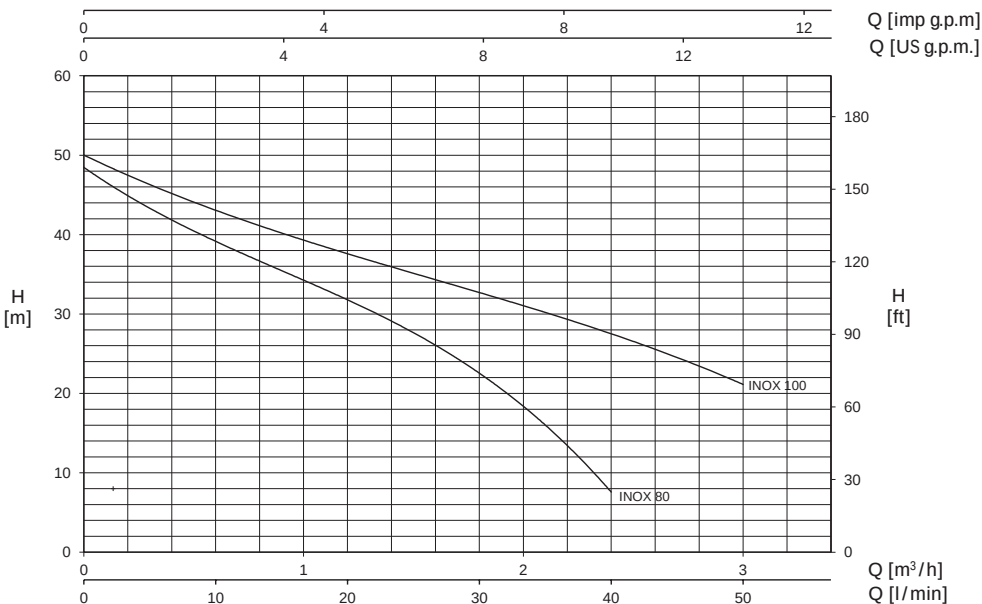
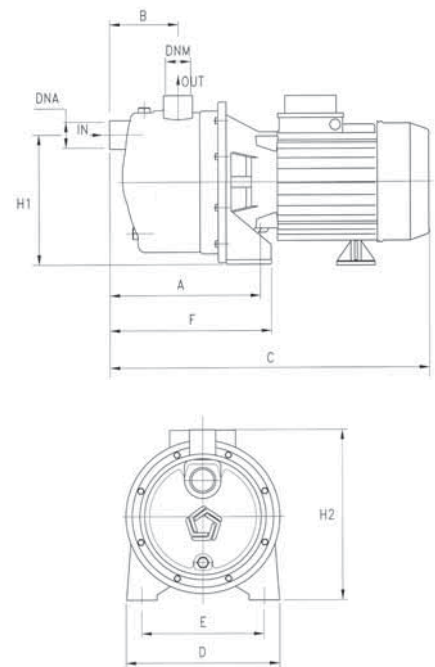


Self-priming centrifugal pump for water supplies in small and medium household and civil systems. When connected to autoclave tanks and pressure switches, these can be set up to run automatically.



Self-priming centrifugal pump for water supplies in small household systems, connected to autoclave tanks for transferring liquids and emptying tanks, used in medium sized industrial applications and for garden irrigation.

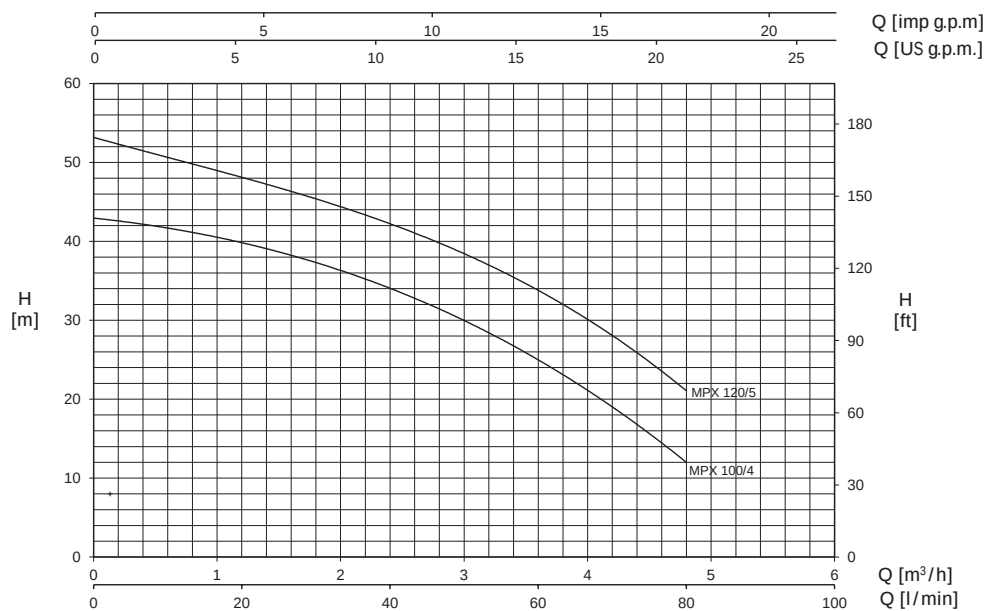
CONSTRUCTION FEATURES	
Pump body	stainless steel AISI 304
Motor bracket	aluminium
Impeller	Noryl®
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 6 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE INOX		1 x 230v	3 x 400v
1~	3~	CODE	CODE
INOX 80	INOXT 80	1000-0215	1000-0220
INOX 100	INOXT 100	1000-0225	1000-0230
INOX 80 110v		022-285	

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)					
1~	3~	(HP) (kW)		1~ 3~		1~	3~	0	0,6	1,2	1,8	2,4	3
								0	10	20	30	40	50
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)					
INOX 80	INOXT 80	0,8	0,59	0,79	0,79	3,7	1,4	48,5	39	32	22,4	7,6	-
INOX 100	INOXT 100	1	0,74	0,98	1	4,6	2,2	50	43	38	32	28	21
						1x110v							
INOX 80	-	1	0,59	0,98	-	9		48,5	39	32	22,4	7,6	-

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
INOX 80	165	79	360	175	140	175	150	199	1"G	1"G	8.7
INOX 100	165	79	360	175	140	175	150	199	1"G	1"G	9.9



Q [imp g.p.m]
Q [US g.p.m.]

Q [m³/h]
Q [l/min]

TYPE MPX		1 x 230v	3 x 400v
1~	3~	CODE	CODE
MPX 100/4	MPXT 100/4	1000-0235	1000-0240
MPX 120/5	MPXT 120/5	1000-0245	1000-0250

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)					
1~	3~					1~	3~	0	0,6	1,2	2,4	3,6	4,8
								0	10	20	40	60	80
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)					
MPX 100/4	MPXT 100/4	1	0,74	1,07	1,1	5	1,9	43	41,5	40	34	25	12
MPX 120/5	MPXT 120/5	1,2	0,88	1,27	1,33	6,1	2,3	53	51	48	42	34	21

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
MPX 100/4	208	128	410	175	140	215	153	210	1"G	1"G	11.1
MPX 120/5	208	128	410	175	140	215	153	210	1"G	1"G	11.7

CONSTRUCTION FEATURES

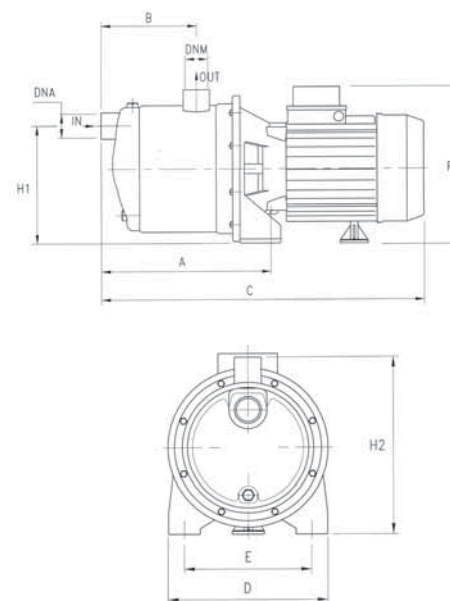
Pump body	stainless steel AISI 304
Motor bracket	aluminium
Impeller	Noryl®
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar

MOTOR

2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



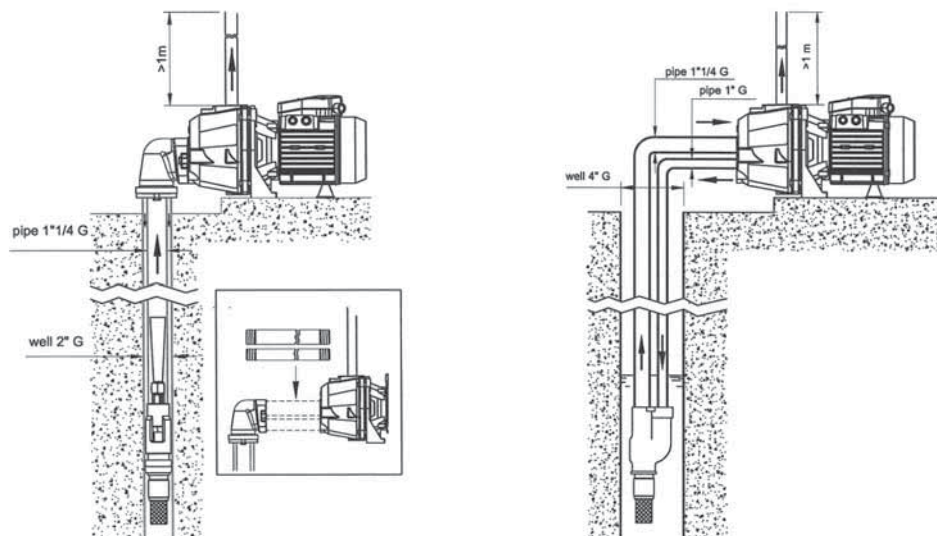
Multi-stage centrifugal pumps, horizontal and self-priming, particularly suitable for constructing small and medium sized pressurisation systems.



-ACCESSORIES



Please see our main catalogue



TYPE AP		1 x 230v	3 x 400v
1~	3~	CODE	CODE
AP 100 (4")	APT 100 (4")	1000-0255	1000-0260
AP 200 (4")	APT 200 (4")	1000-0265	1000-0270
AP 100 (2")	APT 100 (2")	1000-0275	1000-0280
AP 200 (2")	APT 200 (2")	1000-0285	1000-0290

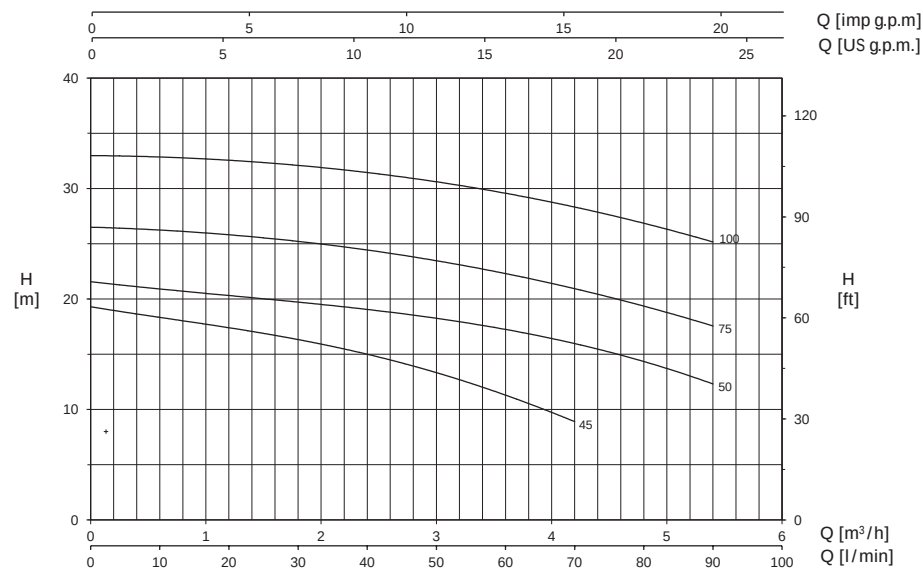
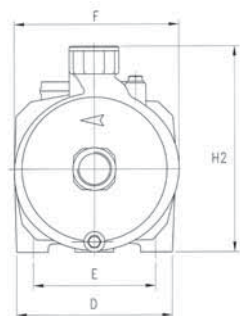
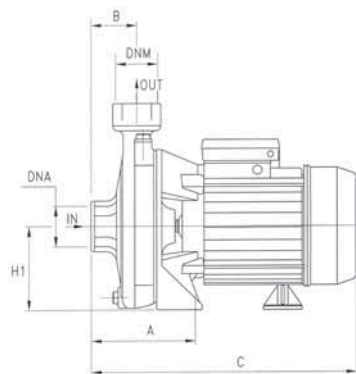
TYPE		P2		P1 (kW)		AMPERE		Ejector type	Suction depth. m	Q (m³/h - l/min)										
1~	3~					1~	3~			0,18 3	0,36 6	0,6 10	0,9 15	1,2 20	1,5 25	1,8 30	2,1 35	3 50	3,6 60	
						1~	3~													
						1x230 V 50 Hz	3x400 V 50 Hz													H (m)
(HP)	(kW)	1~	3~																	
AP 100	APT 100	1	0,74	1,02	1,05	4,7	2,3	P 20	15	40	37	34	30	27	24	21	18	—	—	
									20	37	34	30	25	21	17	—	—	—	—	
								P 30	25	30	25	20	14	11	—	—	—	—	—	
									30	14	8	—	—	—	—	—	—	—	—	
AP 200	APT 200	2	1,5	2,22	2,22	10,3	4,1	P 20	35	42	4	—	—	—	—	—	—	—	—	
									P 30	15	—	—	—	—	—	—	—	46	35	30
										20	—	—	—	—	—	—	48	43	32	27
								25		—	—	—	—	—	50	44	40	28	23	
								P 30	35	—	—	—	—	—	—	28	20	—	—	
									40	—	—	—	46	30	—	—	—	—	—	
50	—	—	49	40	—	—	—		—	—	—									



Single impeller centrifugal pumps, extremely silent suitable for household, civil and industrial applications, with a very flat curve to guarantee constant pressure. Non self priming.

CONSTRUCTION FEATURES

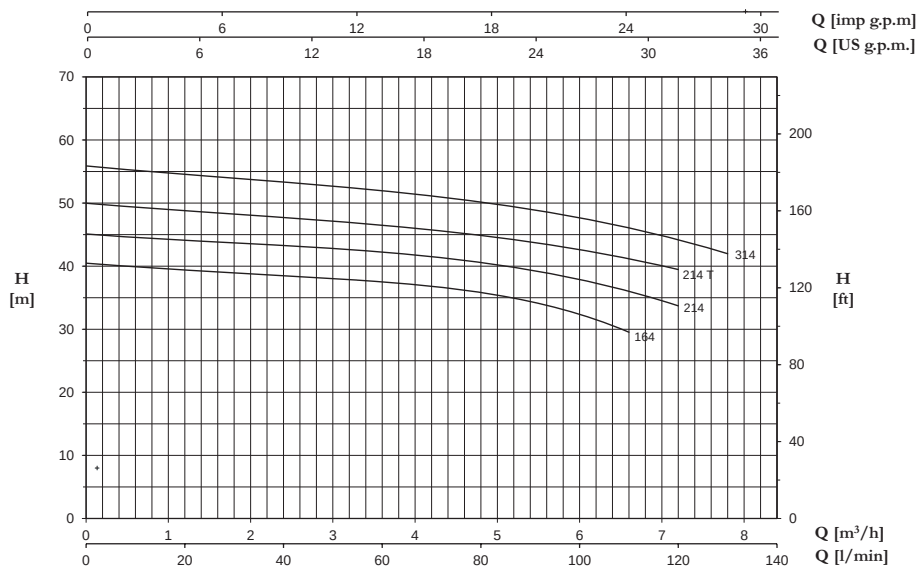
Pump body	cast iron
Motor bracket	cast iron cast iron or aluminium (CM75-100)
Impeller	Noryl® (CM45) Noryl® or brass (CM50-31) Brass (CM400-550)
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416 (CM45-100) stainless steel AISI 303 (CM160-550)
Liquid temperature	Noryl® impeller or aluminium bracket: 0 - 50 °C - brass impeller: 0 - 90 °C
Operating pressure	max 6 bar (CM45-100) max 8 bar (CM160-550)
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE CM		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CM 45	CMT 45	1000-0295	1000-0300
CM 50	CMT 50	1000-0305	1000-0310
CM 75	CMT 75	1000-0315	1000-0320
CM 100	CMT 100	1000-0325	1000-0330

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)						
1~	3~					1~	3~	0	1,2	2,4	3,6	4,2	4,8	5,4
								0	20	40	60	70	80	90
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)						
CM 45	CMT 45	0,4	0,3	0,51	0,56	2,3	1	19,3	17,4	15	11,3	8,9	—	—
CM 50	CMT 50	0,5	0,37	0,59	0,65	2,8	1,1	21,5	20,5	19	17	15,8	15	12
CM 75	CMT 75	0,8	0,59	0,9	0,94	4,5	1,7	26,5	25,8	24,5	22,2	20,9	19,5	17,5
CM 100	CMT 100	1	0,74	1,16	1,17	5,7	2	33	32,5	31,5	29,6	28,3	26,8	25,2

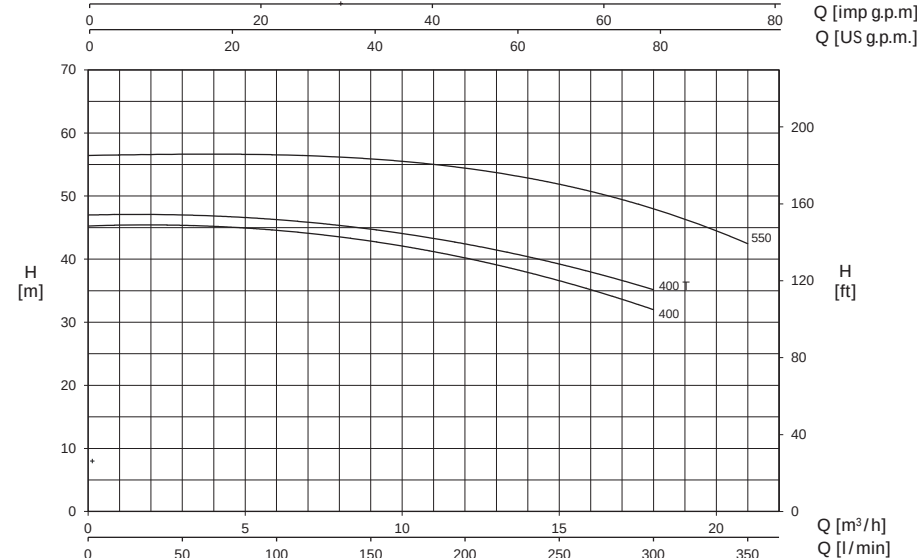
TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CM 45	95	45,5	265	150	110	160	82	202	1"G	1"G	8,5
CM 50	95	45,5	265	150	110	160	82	202	1"G	1"G	9
CM 75	110	46,5	300	180	140	185	97	234	1"G	1"G	12,7
CM 100	110	45,5	300	180	140	185	97	234	1"G	1"G	14



TYPE CM/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CM 164	CMT 164	1000-0335	1000-0340
CM 214	-	1000-0345	-
-	CMT 214	-	1000-0350
CM 314	CMT 314	1000-0355	1000-0360

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	1,2	2,4	3,6	4,8	5,4	6,6	7,2	7,8	H (m)
CM 164	CMT 164	1,5	1,1	1,9	1,8	8,5	3,4	40,5	39,3	38,6	37,5	35,6	34,6	29,5	-	-	
CM 214	-	2	1,5	2,2	-	10,3	-	45,1	44,1	43,3	42,3	40,5	39,2	36,4	33,5	-	
-	CMT 214	2	1,5	-	2,43	-	4,9	50	48,7	47,8	46,5	44,9	43,7	41,3	39,4	-	
CM 314	CMT 314	3	2,2	2,85	2,67	13,5	5,1	55,9	54,5	53,4	52	50,1	48,9	46,2	44,2	41,9	

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CM 164	117	46,5	348	220	180	225	115	285	1"1/4 G	1"G	22,5
CM 214	117	46,5	348	220	180	225	115	285	1"1/4 G	1"G	23
CM 314	117	46,5	M 410	220	180	225	115	285	1"1/4 G	1"G	M 27,5
			T 348								T 23,5
CM 400	108	54	425	240	190	250	133	323	2"G	1"1/4 G	39,8
CM 550	108	54	425	240	190	250	133	323	2"G	1"1/4 G	39,8

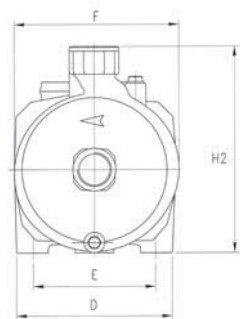
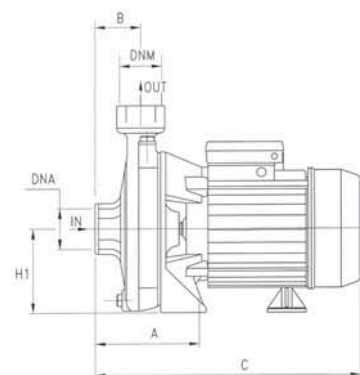


TYPE CM/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CM 400	-	1000-0365	-
-	CMT 400	-	1000-0370
-	CMT 550	-	1000-0380

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	3	6	9	12	15	18	21	H (m)	
CM 400	-	4	3,0	4,0	-	17,8	-	45,3	45,2	44,7	42,9	40,1	36,6	32	-		
-	CMT 400	4	3,0	-	3,8	-	6,6	47	47	46,2	44,8	42,5	39,1	35,2	-		
-	CMT 550	5,5	4,0	-	5,4	-	9,4	56,5	56,5	56,5	56	54,5	51,8	47,9	42,5		



Medium delivery centrifugal pumps for small and medium agricultural applications. Open impeller which allows small solid items to pass through (Ø max 10 mm). Non self priming.

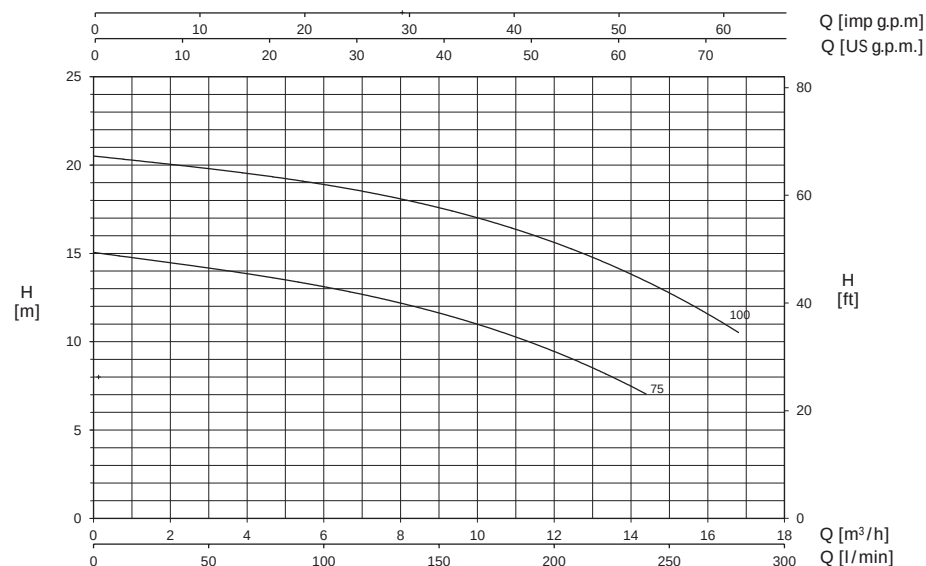


CONSTRUCTION FEATURES

Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl®
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 416
Liquid temperature	Noryl® impeller: 0 - 50 °C brass impeller: 0 - 90 °C
Operating pressure	max 6 bar

MOTOR

2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE CR/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CR 75	CRT 75	1000-0385	1000-0390
CR 100	CRT 100	022-320	022-322

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~	(HP)	(kW)	1~	3~	1~	3~	H (m)							
								2,4	4,8	7,2	9,6	12	14,4	16,8	
								40	80	120	160	200	240	280	
CR 75	CRT 75	0,8	0,59	0,73	0,83	3,4	1,5	14,5	13,5	12,5	11,3	9,5	7	-	
CR 100	CRT 100	1	0,74	1,14	1,2	5,3	2,4	20	19,2	18,5	17,3	15,5	13,5	10,5	

TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CR 75	120	45	308	155	115	170	97	222	1" 1/2 G	1" 1/4 G	12.2
CR 100	120	45	308	155	115	170	97	222	1" 1/2 G	1" 1/4 G	13.5



CONSTRUCTION FEATURES

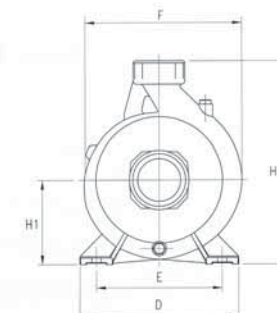
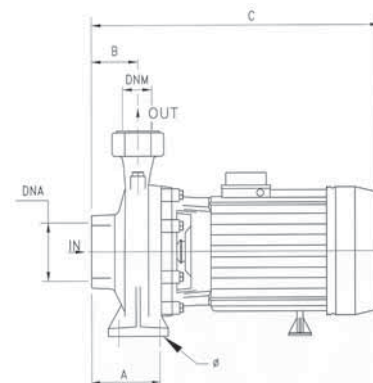
Pump body	cast iron
Motor bracket	cast iron
Impeller	cast iron / brass (CSB)
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 303 stainless steel AISI 416 (CS 75-100)
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar

MOTOR

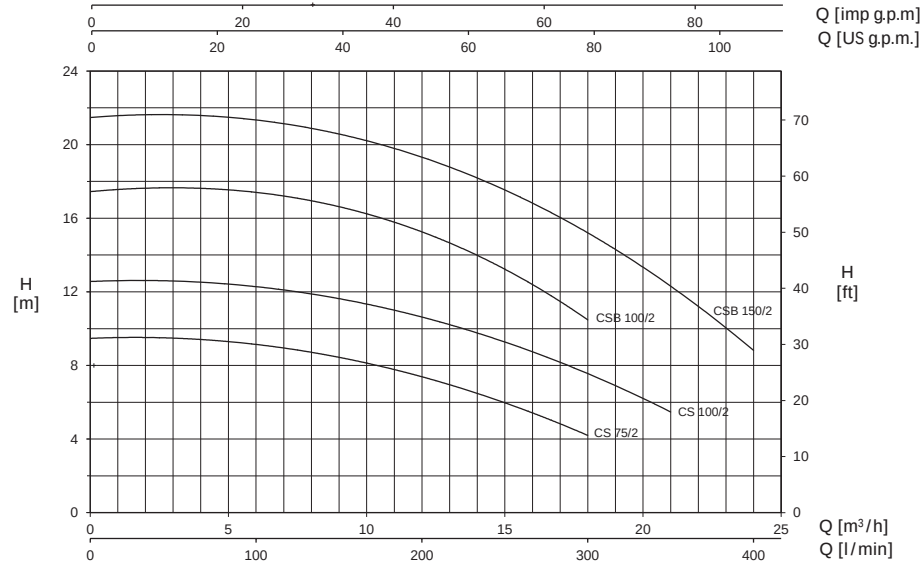
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



Single impeller centrifugal pumps, non self priming. High flow pumping with low heads. Mainly used in agriculture.

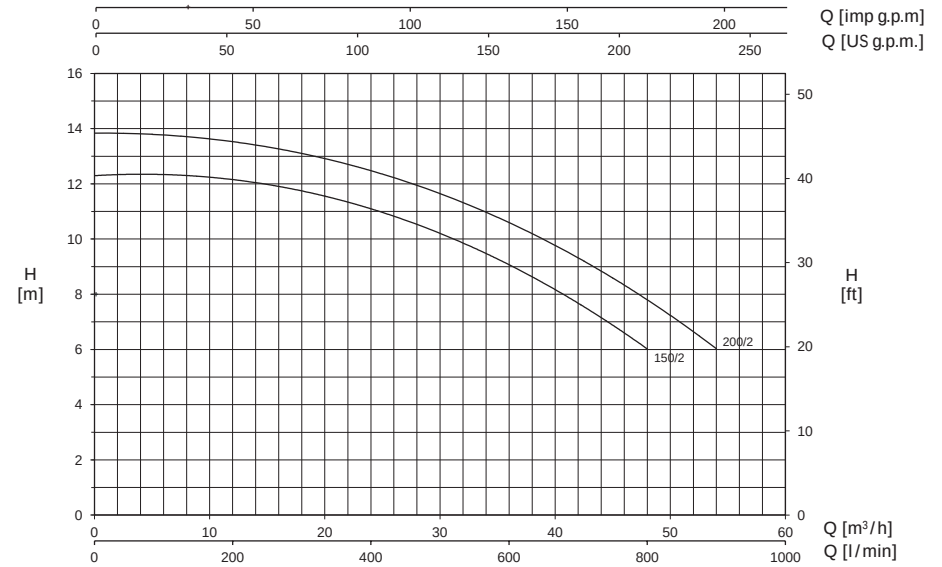


TYPE	DIMENSIONS (mm)										Kg
	A	B	C	D	E	F	H1	H2	DNA	DNM	
CS 75/2	127	45	315	155	115	178	97	247	2" G	2" G	14.2
CS 100/2	127	45	315	155	115	178	97	247	2" G	2" G	15.5
CS 150/2	150	53	370	180	140	218	115	285	2" G	2" G	23.3
CS 200/2	150	53	370	180	140	218	115	285	2" G	2" G	24.3
CSB 100/2	130	70	365	180	130	195	90	240	2" G	2" G	18.2
CSB 150/2	130	70	365	180	130	195	90	240	2" G	2" G	19.1
CS 200/3	176,5	80	455	200	140	225	112	292	3" G	3" G	28.3
CS 300/3	176,5	80	455	200	140	225	112	292	3" G	3" G	31.5
CST 400/3	176,5	80	455	200	140	225	112	292	3" G	3" G	31.6
CST 450/4	165	85	480	220	160	250	130	330	4" G	4" G	41.1
CST 550/4	165	85	480	220	160	250	130	330	4" G	4" G	41.1



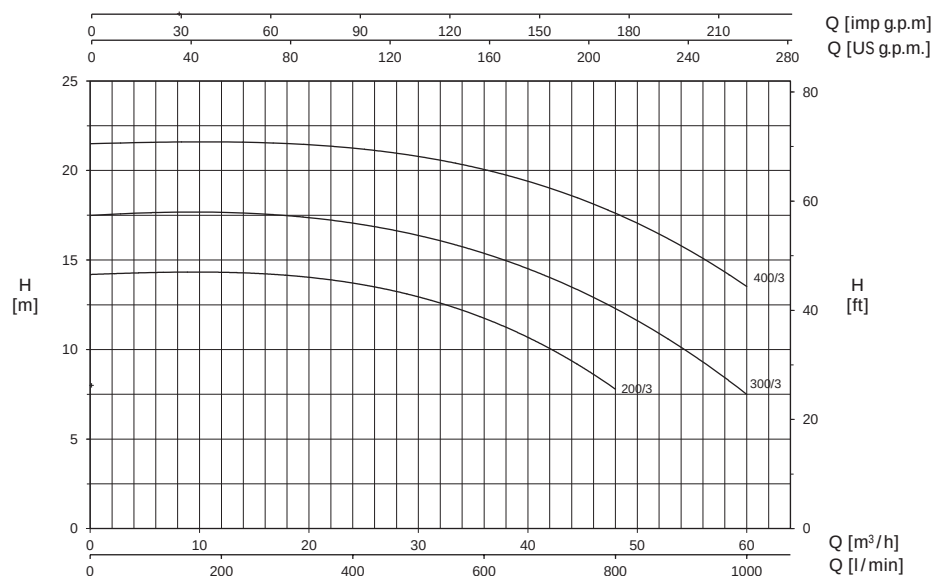
TYPE CS/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CS 75/2	CST 75/2	1000-0405	1000-0410
CS 100/2	CST 100/2	1000-0415	1000-0420
CSB 100/2	-	1000-0425	-
CSB 150/2	CSBT 150/2	1000-0435	1000-0430

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~					1~	3~	0	3	6	9	12	15	18	21	24	
								0	50	100	150	200	250	300	350	400	
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)									
CS 75/2	CST 75/2	0,8	0,59	0,63	0,7	2,9	1,3	9,5	9,4	9,2	8,5	7,3	6	4,2	–	–	
CS 100/2	CST 100/2	1	0,74	0,92	1,05	4,3	2,3	12,6	12,5	12,3	11,7	10,6	9,3	7,5	5,5	–	
CSB 100/2	–	1	0,74	1,23	–	6	–	17,5	17,5	17,5	16,7	15,2	13,2	10,5	–	–	
CSB 150/2	CSBT 150/2	1,5	1,1	1,78	1,65	8,5	3	21,5	21,5	21,5	20,6	19,2	17,5	15,3	12,3	8,8	



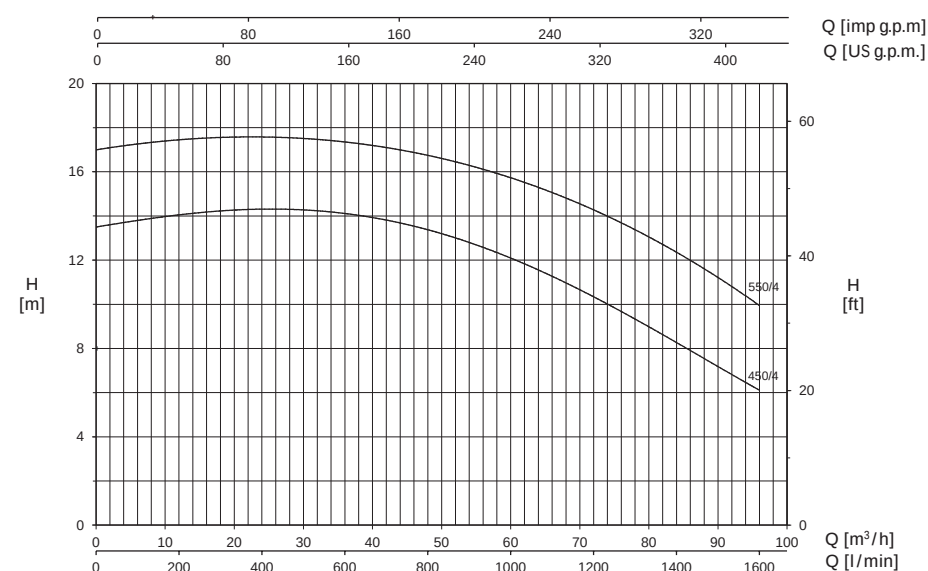
TYPE CS/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CS 150/2	CST 150/2	1000-0445	1000-0440
CS 200/2	CST 200/2	1000-0455	1000-0450

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)										
1~	3~					1~	3~	0	6	12	18	24	30	36	42	48	54	
								0	100	200	300	400	500	600	700	800	900	
						1x230 V 50 Hz		3x400 V 50 Hz		H (m)								
CS 150/2	CST 150/2	1,5	1,1	1,85	1,8	8,8	3,3	12,3	12,3	12,2	11,8	11,0	10,2	9,1	7,7	6	–	
CS 200/2	CST 200/2	2	1,5	2,1	2,1	10	3,9	13,8	13,8	13,6	13,1	12,4	11,6	10,6	9,4	7,8	6	



TYPE CS/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CS 200/3	CST 200/3	1000-0465	1000-0470
CS 300/3	CST 300/3	1000-0475	1000-0480
–	CST 400/3	–	1000-0490

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)					
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	15	24	36	48	60
								0	250	400	600	800	1000
								H (m)					
CS 200/3	CST 200/3	2	1,5	2,35	2,15	11	3,6	14,2	14,2	13,8	11,7	7,8	–
CS 300/3	CST 300/3	3	2,2	3,3	2,9	15	4,9	17,5	17,5	17,2	15,3	12,3	7,5
–	CST 400/3	4	3	–	4	–	6,7	21,5	21,5	21,4	19,9	17,7	13,5



TYPE CS/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CS 450/4	CST 450/4	1000-0495	1000-0500
–	CST 550/4	–	1000-0510

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)						
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	36	48	60	72	84	96
								0	600	800	1000	1200	1400	1600
								H (m)						
CS 450/4	CST 450/4	4	3	3,7	3,6	18	6,2	13,5	14,1	13,4	12,1	10,3	8,3	6,1
–	CST 550/4	5,5	4	–	5,05	–	8,8	17	17,3	16,8	15,7	14,4	12,2	10,0



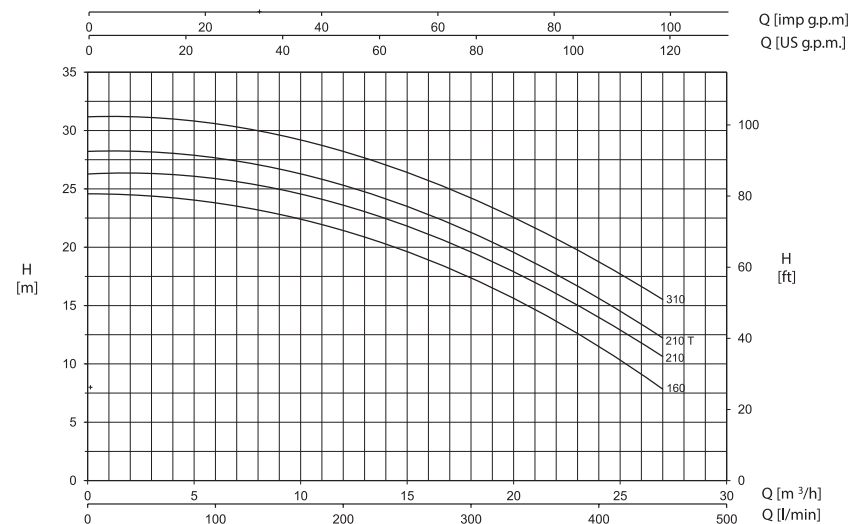
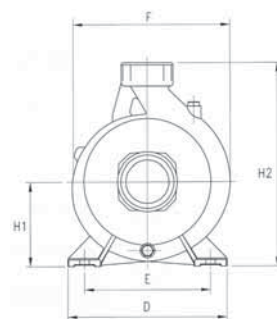
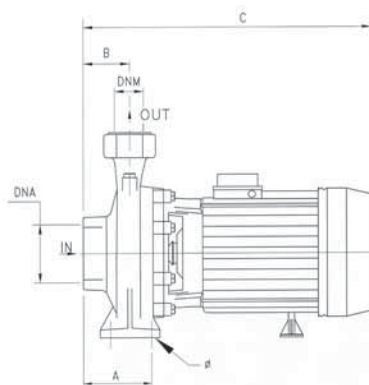
Centrifugal pumps that combine medium head with medium-high delivery. Non self priming.

CONSTRUCTION FEATURES

Pump body	cast iron
Motor bracket	cast iron
Impeller	brass (CH 160-310) cast iron (CH 350-550)
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 303
Liquid temperature	0 - 90 °C
Operating pressure	max 6 bar

MOTOR

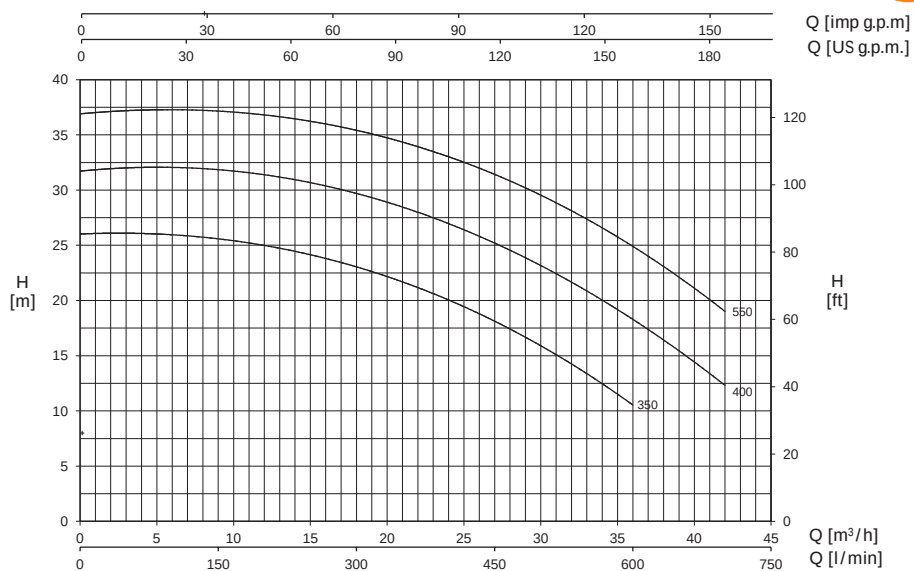
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE CH/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CH 160	CHT 160	1000-0525	1000-0530
CH 210	—	1000-0535	—
—	CHT 210	—	1000-0540
CH 310	CHT 310	1000-0545	1000-0550

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)								
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	6	9	12	15	18	21	24	27
								0	100	150	200	250	300	350	400	450
								H (m)								
CH 160	CHT 160	1,5	1,1	1,8	1,8	8,3	3,4	24,5	23,9	22,9	21,4	19,5	17,3	14,7	11,6	7,8
CH 210	—	2	1,5	2,1	—	10,1	—	26,3	25,9	25,0	23,6	21,7	19,6	17,1	14,1	10,6
—	CHT 210	2	1,5	—	2,2	—	4,7	28,2	27,6	26,7	25,3	23,5	21,3	18,6	15,6	12,2
CH 310	CHT 310	3	2,2	2,8	2,6	12,4	5,0	31,2	30,5	29,6	28,3	26,4	24,3	21,6	18,6	15,6

TYPE	DIMENSIONS (mm)											Kg
	A	B	C	D	E	F	Ø	H1	H2	DNA	DNM	
CH 160	105	48	370	200	160	215	9.5	110	280	2" G	2" G	22
CH 210	105	48	370	200	160	215	9.5	110	280	2" G	2" G	24
CH 310	105	48	410	200	160	215	9.5	110	280	2" G	2" G	32
CHT 310	105	48	370	200	160	215	9.5	110	280	2" G	2" G	26



TYPE CH/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CH 350	CHT 350	1000-0555	1000-0560
CH 400	CHT 400	1000-0565	1000-0570
–	CHT 550	–	1000-0580

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					1~	3~								
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
CH 350	CHT 350	3	2,2	2,95	2,84	13,5	5,1	26	25	23	20	16	10,5	–	
CH 400	CHT 400	4	3	4,6	4,2	20,5	7,6	31,8	31,6	29,7	27	23	18,4	12,3	
–	CHT 550	5,5	4	–	5,1	–	10	37	37	35,5	33	29,4	25	19	

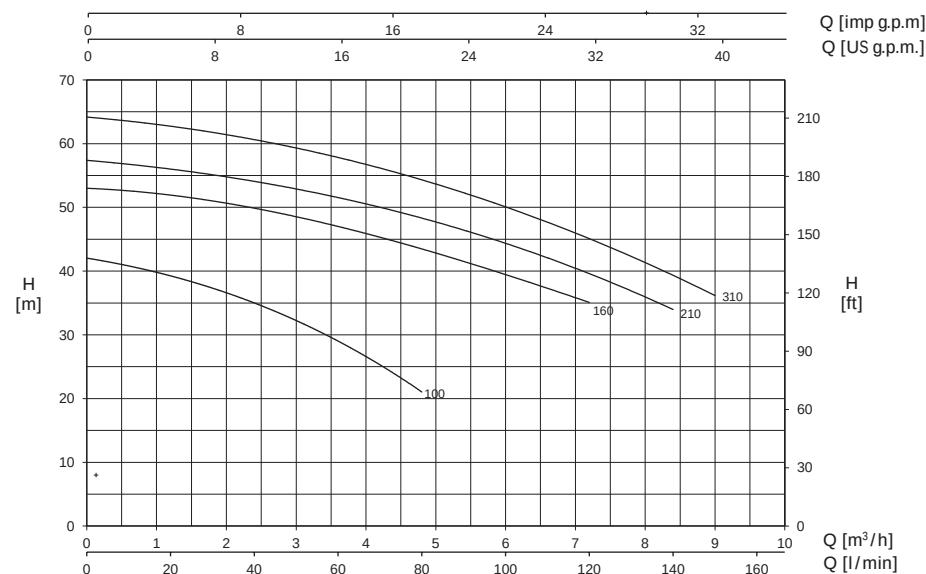
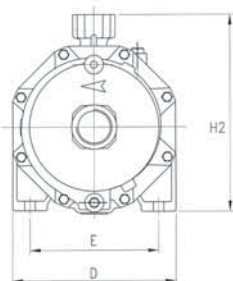
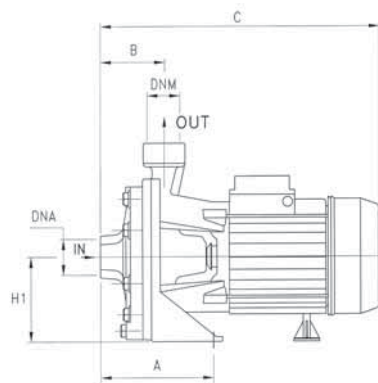
TYPE	DIMENSIONS (mm)											Kg
	A	B	C	D	E	F	Ø	H1	H2	DNA	DNM	
CH 350	105	70	425	240	190	240	14	126	306	3" G	2" G	34,5
CHT 350	105	70	385	240	190	240	14	126	306	3" G	2" G	28,5
CH 400	105	70	445	240	190	240	14	126	306	3" G	2" G	38,7
CHT 400	105	70	425	240	190	240	14	126	306	3" G	2" G	33,2
CHT 550	105	70	445	240	190	240	14	126	306	3" G	2" G	38,7





Two impeller centrifugal pumps for constructing pressurisation systems for civil and industrial plant; the two counter-posed impellers guarantee high head with good delivery. Non self priming.

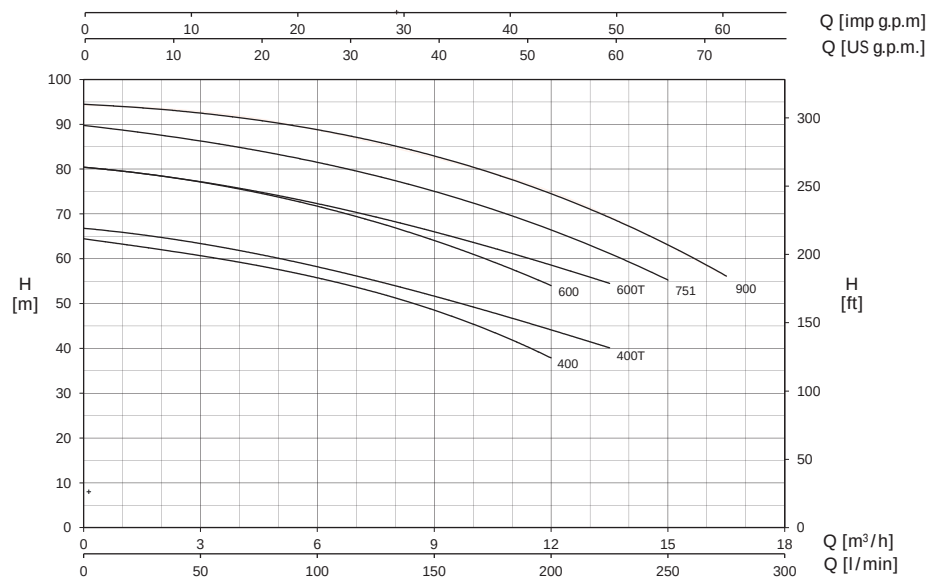
CONSTRUCTION FEATURES	
Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl® (CB100) brass (CB800÷1500)
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 303 stainless steel AISI 416 (CB100)
Liquid temperature	Noryl® impeller: 0 - 50 °C brass impeller: 0 - 90 °C
Operating pressure	max 6 bar (CB100) max 11 bar (CB160-1500)
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE CB/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
CB 100	CBT 100	1000-0585	1000-0590
CB 160	CBT 160	1000-0595	1000-0600
CB 210	CBT 210	1000-0605	1000-0610
-	CBT 310	-	1000-0620

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)										
1~	3~					1~	3~	0	0,6	1,2	1,8	2,4	3,6	4,8	6	7,2	8,4	9
								0	10	20	30	40	60	80	100	120	140	150
						(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)						
CB 100	CBT 100	1	0,74	1,17	1,15	5,4	2,4	42	40,8	39,4	37,4	34,7	29,2	21	–	–	–	–
CB 160	CBT 160	1,5	1,1	2,30	2,20	10,2	4,1	53	52,5	52	51	50	46,9	43,3	39,7	35	–	–
CB 210	CBT 210	2	1,5	2,60	2,45	11,5	4,8	57,3	56,9	56	55,1	54	51,5	48,4	44,4	39,5	34	–
–	CBT 310	3	2,2	–	2,80	–	5,2	64	63,5	63	61,9	60,6	57,7	54,1	50	45,4	39,4	36

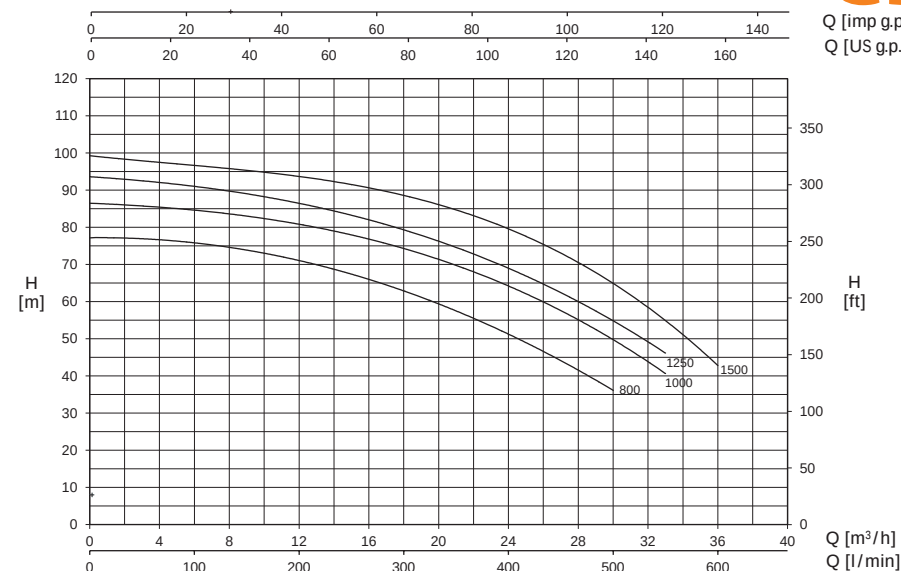
TYPE	DIMENSIONS (mm)									Kg
	A	B	C	D	E	H1	H2	DNA	DNM	
CB 100	122	72	328	180	140	98	228	1" G	1" G	15.3
CB 160	115	82	385	210	170	110	265	1"1/4 G	1" G	24.7
CB 210	115	82	385	210	170	110	265	1"1/4 G	1" G	25.6
CB 310	115	82	385	210	170	110	265	1"1/4 G	1" G	30



TYPE CB/T	1 x 230v	3 x 400v
3~	CODE	CODE
CBT 400	—	1000-0630
CBT 600	—	1000-0640
CBT 751	—	1000-0650
CBT 900	—	1000-0660

TYPE	P2		P1 (kW)		AMPERE		Q (m³/h - l/min)													
							H (m)													
							Q (m³/h - l/min)													
							1~	3~	1~	3~	1~	3~	1~	3~	1~	3~	1~	3~	1~	3~
3~	(HP)	(kW)	1~	3~	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	0	1,5	3,0	4,5	6,0	7,5	9,0	10,5	12	13,5	15,0	16,5
CBT 400	4	3	—	4,6	—	7,9	66,9	65,2	63,3	61	58,4	55,2	51,5	47,8	44,3	40,1	—	—	—	—
CBT 600	5,5	4,0	—	5,6	—	9,8	80,4	79,1	77,1	75	72,2	69,4	66	62,4	58,6	54,5	—	—	—	—
CBT 751	7,5	5,5	—	6,8	—	11,6	89,5	88,3	86,7	84,1	81,3	78,3	74,7	71,1	66,9	61,3	55	—	—	—
CBT 900	9	6,6	—	7,6	—	13,2	94,2	93,8	92,8	91,2	88,7	85,7	82,5	79,1	75	69,4	63	56	—	—

TYPE	DIMENSIONS (mm)									Kg
	A	B	C	D	E	H1	H2	DNA	DNM	
CB 400	145	95,5	463	266	212	135	305	1"1/2 G	1"1/4 G	41
CB 600	145	95,5	463	266	212	135	305	1"1/2 G	1"1/4 G	44.8
CB 751	145	95,5	480	266	212	135	305	1"1/2 G	1"1/4 G	50.5
CB 900	145	95,5	480	266	212	135	305	1"1/2 G	1"1/4 G	55



TYPE CB/T	3 x 400v
3~	CODE
CBT 800	1000-0670
CBT 1000	1000-0680
CBT 1250	1000-0690
CBT 1500	1000-0700

TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)							
				3~	0	6	12	18	24	30	33	36
					0	100	200	300	400	500	550	600
					3x400 V 50 Hz	H (m)						
(HP)	(kW)	3~										
CBT 800	7,5	5,5	8,5	15	77,0	76,4	70,5	62,8	51,6	36,0	–	–
CBT 1000	10	7,5	10,3	17,2	86,4	84,8	80,7	74,3	64,0	50,2	40,4	–
CBT 1250	12,5	9,2	11,1	18,9	93,6	91,0	86,3	79,7	68,5	55,2	46,0	–
CBT 1500	15	11	12,1	20,4	98,7	97,6	94,2	87,6	78,2	65,6	57,5	40,9

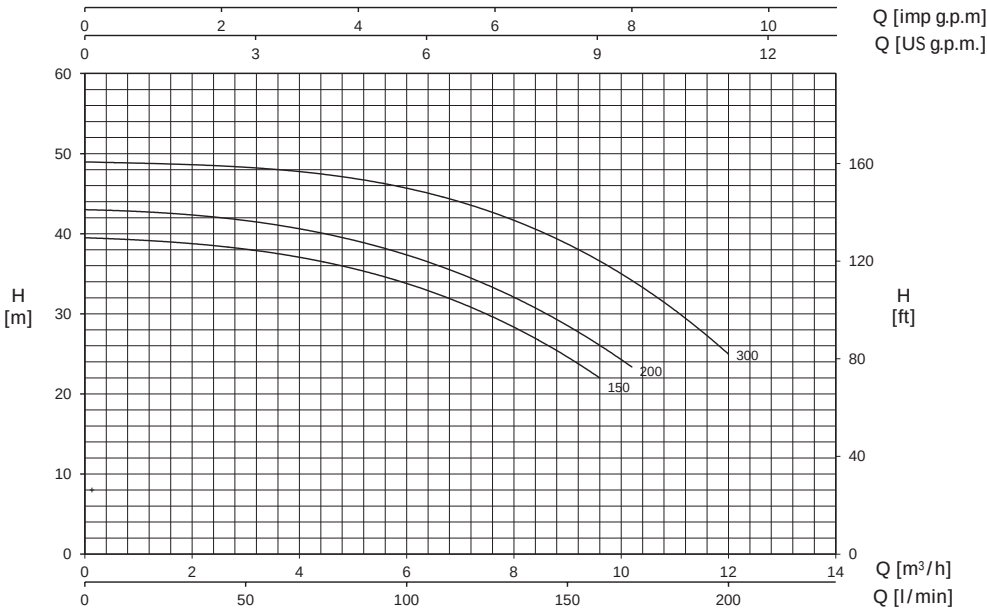
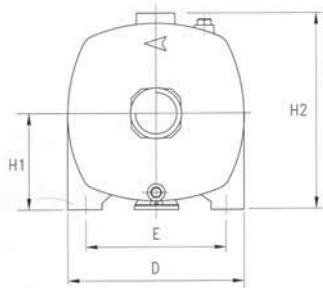
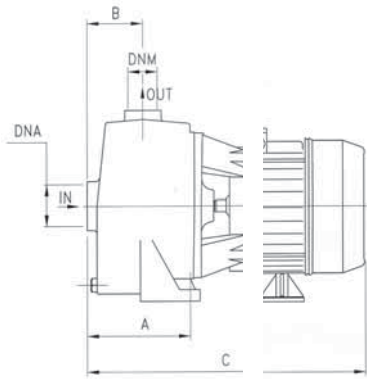
TYPE	DIMENSIONS (mm)									Kg
	A	B	C	D	E	H1	H2	DNA	DNM	
CB 800	190	120	605	275	210	150	330	2" G	1"1/4 G	70.5
CB 1000	190	120	605	275	210	150	330	2" G	1"1/4 G	77
CB 1250	190	120	645	275	210	150	330	2" G	1"1/4 G	85
CB 1500	190	120	645	275	210	150	330	2" G	1"1/4 G	92

-MB



Two impeller compact centrifugal pumps for constructing pressurisation systems for civil and industrial plant. Non self priming.

CONSTRUCTION FEATURES	
Pump body	cast iron
Motor bracket	cast iron
Impeller	Noryl®
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 303
Liquid temperature	0 - 50 °C
Operating pressure	max 8 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP44



TYPE MB/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
MB 150	MBT 150	1000-0705	1000-0710
MB 200	MBT 200	1000-0715	1000-0720
MB 300	MBT 300	1000-0725	1000-0730

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)					
1~	3~	(HP)	(kW)	1~	3~	1~ 1x230 V 50 Hz	3~ 3x400 V 50 Hz	H (m)					
								0	2,4	4,8	7,2	9,6	12
								0	40	80	120	160	200
MB 150	MBT 150	1,5	1,1	1,60	1,55	7,7	2,9	39,5	38,5	36	30,8	22	–
MB 200	MBT 200	2	1,5	2	1,90	9,5	3,6	43	42,1	39,5	34,5	26	–
MB 300	MBT 300	3	2,2	2,65	2,60	11,8	4,8	49	48,4	47,2	43,6	36,5	25

TYPE	DIMENSIONS (mm)									Kg
	A	B	C	D	E	H1	H2	DNA	DNM	
MB 150	108	73	385	205	165	115	242	1"1/2 G	1"1/4 G	21.2
MB 200	108	73	385	205	165	115	242	1"1/2 G	1"1/4 G	21.7
MB 300	108	73	385	205	165	115	242	1"1/2 G	1"1/4 G	21.7

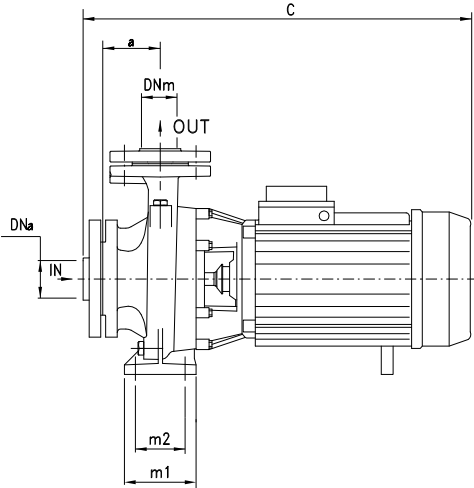


Please see our main catalogue

~ 2900 r.p.m. **CM** EN 733

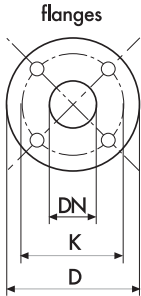
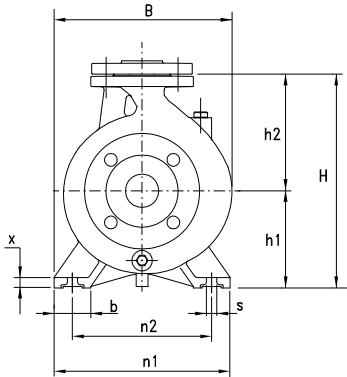


Monobloc horizontal centrifugal pumps, constructed to EN 733 standards; widely used in water supplies, pressurisation and fire-fighting systems, cooling, heating, irrigation, industrial and agricultural applications, standard supply with counter-flange.



Also available with stainless steel or bronze impeller as special orders.

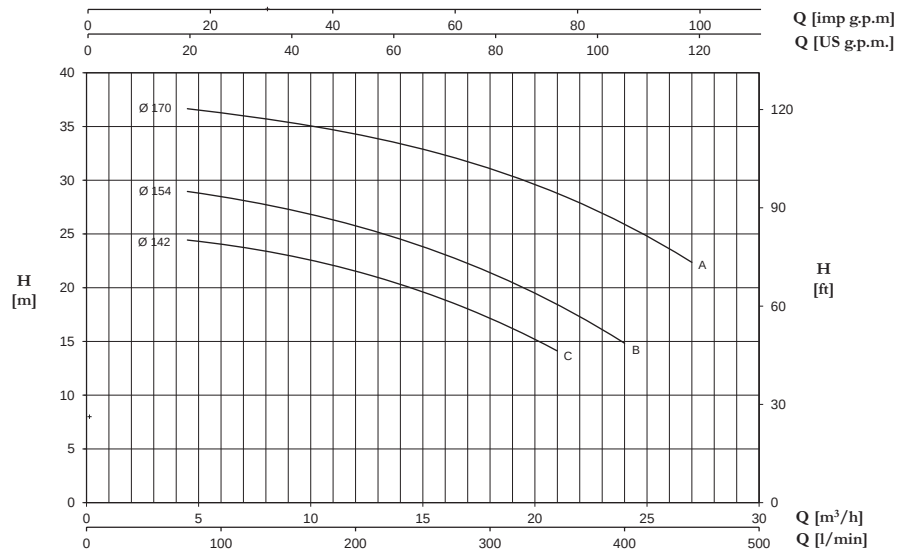
CONSTRUCTION FEATURES	
Pump body	cast iron
Motor bracket	cast iron
Impeller	cast iron
Mechanical seal	ceramic-graphite
Motor shaft	stainless steel AISI 316
Liquid temperature	-10 ÷ +90 °C *optional -10 ÷ +120 °C
Operating pressure	max 10 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz
Insulation class	F
Protection degree	IP55



DIMENSIONS (mm)				
DN	D	K	holes	
			n°	Ø
32	140	100	4	18
40	150	110	4	18
50	165	125	4	18
65	185	145	4	18
80	200	160	8	18
100	220	180	8	18
125	250	210	8	18

TYPE	DIMENSIONS (mm)																		
	DNa	DNm	a	h1	h2	m1	m2	n1	n2	b	x	s	C	B	H	I			L
32-160 C	50	32	80	132	160	100	70	240	190	50	12	14	490	240	292	520	260	355	38
32-160 B	50	32	80	132	160	100	70	240	190	50	12	14	490	240	292	520	260	355	39
32-160 A	50	32	80	132	160	100	70	240	190	50	12	14	490	240	292	520	260	355	42
32-200 C	50	32	80	160	180	100	70	240	190	50	12	14	505	268	340	530	305	400	51.5
32-200 B	50	32	80	160	180	100	70	240	190	50	12	14	565	268	340	615	310	460	63
32-200 A	50	32	80	160	180	100	70	240	190	50	12	14	565	268	340	615	310	460	69
32-250 C	50	32	100	180	225	125	95	320	250	65	12	14	625	305	405	665	335	535	83
32-250 B	50	32	100	180	225	125	95	320	250	65	14	14	625	305	405	665	335	535	90
32-250 A	50	32	100	180	225	125	95	320	250	65	14	14	695	305	405	735	355	535	120
40-125 C	65	40	80	112	140	100	70	210	160	50	12	14	495	220	252	520	260	355	36
40-125 B	65	40	80	112	140	100	70	210	160	50	12	14	495	220	252	520	260	355	37
40-125 A	65	40	80	112	140	100	70	210	160	50	12	14	495	220	252	520	260	355	40
40-160 B	65	40	80	132	160	100	70	240	190	50	12	14	500	245	292	520	260	355	47
40-160 A	65	40	80	132	160	100	70	240	190	50	15	14	500	245	292	520	260	355	50
40-200 B	65	40	100	160	180	100	70	265	212	50	15	14	590	273	340	615	310	460	65
40-200 A	65	40	100	160	180	100	70	265	212	50	15	14	590	273	340	615	310	460	71
40-250 C	65	40	100	180	225	125	95	320	250	65	15	14	630	322	405	665	335	535	84
40-250 B	65	40	100	180	225	125	95	320	250	65	15	14	630	322	405	665	335	535	91
40-250 A	65	40	100	180	225	125	95	320	250	65	15	14	700	322	405	735	355	535	121
50-125 B	65	50	100	132	160	100	70	240	190	50	12	14	525	250	292	520	260	355	47
50-125 A	65	50	100	132	160	100	70	240	190	50	12	14	525	250	292	520	260	355	50
50-160 B	65	50	100	160	180	100	70	265	212	50	12	14	590	270	340	615	310	460	65
50-160 A	65	50	100	160	180	100	70	265	212	50	12	14	590	270	340	615	310	460	71
50-200 C	65	50	100	160	200	100	70	265	212	50	12	14	635	290	360	665	335	535	82
50-200 B	65	50	100	160	200	100	70	265	212	50	12	14	635	290	360	665	335	535	89
50-200 A	65	50	100	160	200	100	70	265	212	50	12	14	705	290	360	735	355	535	122
50-250 C	65	50	100	180	225	125	95	320	250	65	14	14	705	332	405	735	355	535	125
50-250 B	65	50	100	180	225	125	95	320	250	65	14	14	750	332	405	815	355	535	140
50-250 A	65	50	100	180	225	125	95	320	250	65	14	14	750	332	405	815	355	535	149
65-125 B	80	65	100	160	180	125	95	280	212	65	14	14	605	280	340	615	310	460	64
65-125 A	80	65	100	160	180	125	95	280	212	65	14	14	605	280	340	615	310	460	70
65-160 C	80	65	100	160	200	125	95	280	212	65	14	14	635	290	360	665	335	535	84
65-160 B	80	65	100	160	200	125	95	280	212	65	14	14	635	290	360	665	335	535	90
65-160 A	80	65	100	160	200	125	95	280	212	65	14	14	705	290	360	735	355	535	120
65-200 C	80	65	100	180	225	125	95	320	250	65	14	14	705	330	405	735	355	535	122
65-200 B	80	65	100	180	225	125	95	320	250	65	14	14	750	330	405	815	355	535	138
65-200 A	80	65	100	180	225	125	95	320	250	65	14	14	750	330	405	815	355	535	148
65-250 B	80	65	100	200	250	160	120	360	280	80	16	19	850	370	450	850	380	490	194
65-250 A	80	65	100	200	250	160	120	360	280	80	16	19	850	370	450	850	380	490	214
80-160 E	100	80	125	180	225	125	95	320	250	65	14	14	665	330	405	665	335	535	92
80-160 D	100	80	125	180	225	125	95	320	250	65	14	14	665	330	405	665	335	535	98.5
80-160 C	100	80	125	180	225	125	95	320	250	65	14	14	735	330	405	735	355	535	129
80-160 B	100	80	125	180	225	125	95	320	250	65	14	14	780	330	405	815	355	535	143
80-160 A	100	80	125	180	225	125	95	320	250	65	14	14	780	330	405	815	355	535	152
80-200 B	100	80	125	180	250	125	95	345	280	65	16	14	840	355	405	850	380	490	189
80-200 A	100	80	125	180	250	125	95	345	280	65	16	14	840	355	405	850	380	490	209
100-160 B	125	100	125	200	280	160	120	360	280	80	18	18	842	390	480	850	420	570	198
100-160 A	125	100	125	200	280	160	120	360	280	80	18	18	842	390	480	850	420	570	230

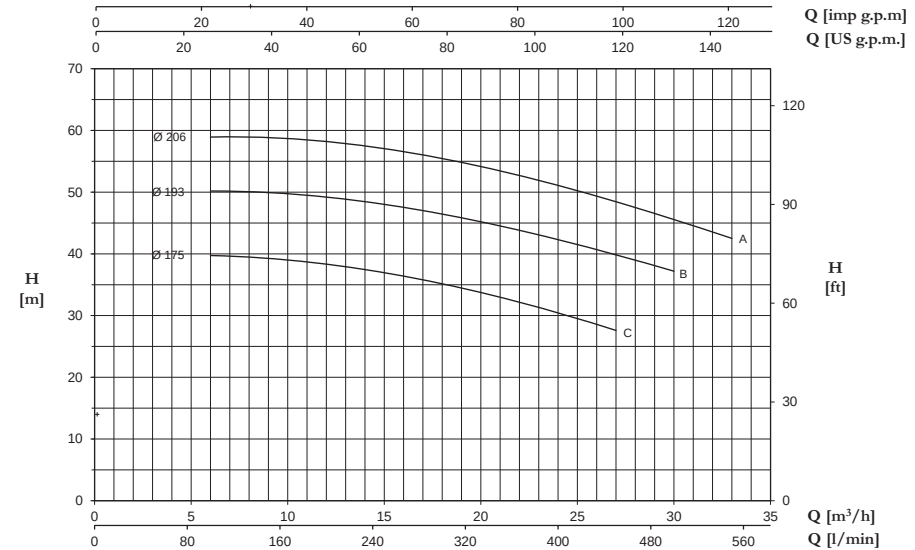
32-160



TYPE CM	3 x 400v
3~	CODE
32-160 C	573-2KKK
32-160 B	573-3KKK
32-160 A	573-4KKK

TYPE	P2	P1 (kW)	A	Q (m³/h - l/min)											
				3~	0	4.5	6	7.5	9	12	15	18	21	24	27
				3~	0	75	100	125	150	200	250	300	350	400	450
				3~	H (m)										
32-160 C	2	1.5	2.3	4	24.7	24.4	24.1	23.6	23.0	21.5	19.6	17.2	14.1	—	—
32-160 B	3	2.2	2.9	5.2	29.0	—	28.5	28.0	27.3	25.7	23.8	21.4	18.5	14.8	—
32-160 A	4	3	4.1	7.1	36.8	—	36.4	36.0	35.4	34.2	32.8	31.1	28.8	26.0	22.3

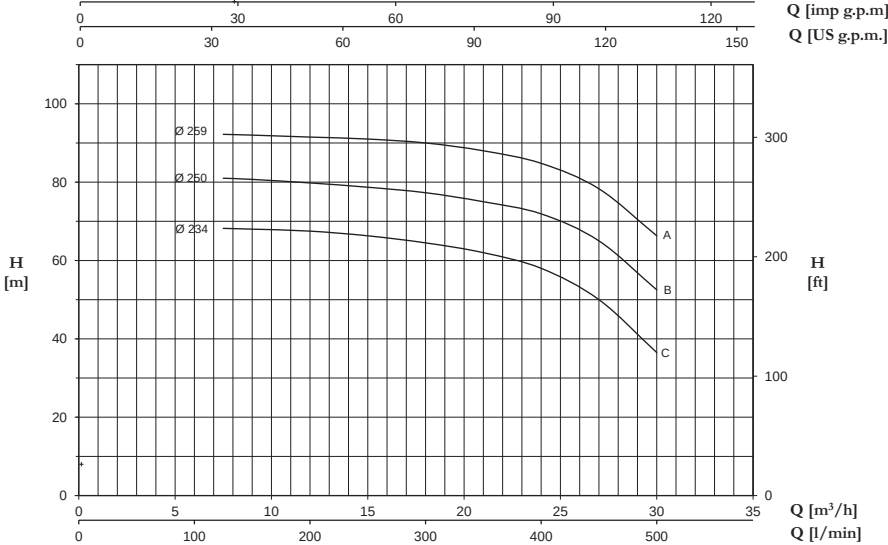
~ 2900 r.p.m. CM EN 733 32-200



TYPE CM	3 x 400v
3~	CODE
32-200 C	573-5KKK
32-200 B	573-7KKK
32-200 A	573-9KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)												
				3~	0	6	7.5	9	12	15	18	21	24	27	30	33	
				3~	0	100	125	150	200	250	300	350	400	450	500	550	
				3x400 V 50 Hz	H (m)												
(HP)	(kW)	3~															
32-200 C	5,5	4,0	4,9	8,8	40,1	39,7	39,6	39,3	38,3	36,9	35,2	33,0	30,4	27,6	—	—	
32-200 B	7,5	5,5	7,0	12,4	50,1	50,2	50,1	49,9	49,3	48,0	46,4	44,5	42,4	39,8	37,2	—	
32-200 A	10	7,5	8,5	15,0	58,6	59,0	58,9	58,8	58,2	57,1	55,5	53,4	51,1	48,4	45,6	42,5	

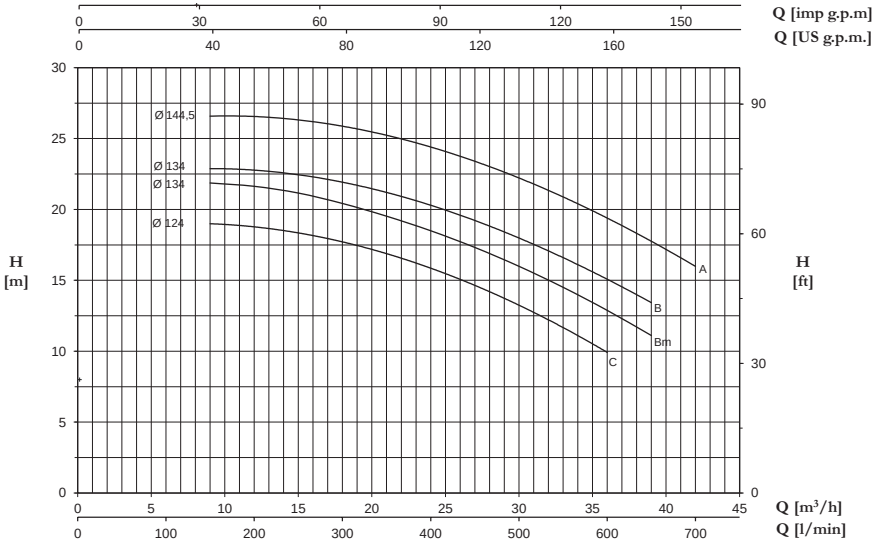
~ 2900 r.p.m. CM EN 733 32-250



TYPE CM	3 x 400v
3~	CODE
32-250 C	574-0KKK
32-250 B	574-1KKK
32-250 A	574-2KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)									
					0	7.5	9	12	15	18	21	24	27	30
					0	125	150	200	250	300	350	400	450	500
					H (m)									
32-250 C	12.5	9.2	11.9	20.1	70.0	68,5	68	67	65,5	63,5	61	58	50	36,5
32-250 B	15	11	14.4	24.2	82.0	81	80,5	79,5	78,5	77	74,5	71,9	65	52,5
32-250 A	20	15	18.1	30.1	93.0	92,5	92	91,5	90,5	89,5	87,5	85	78,5	66

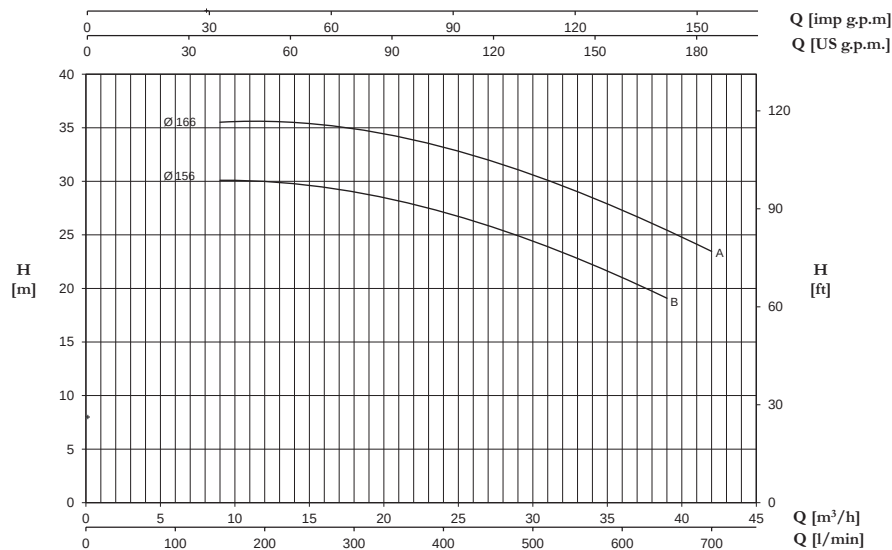
40-125



TYPE CM	3 x 400v
3~	CODE
40-125 C	577-0KKK
40-125 B	577-1KKK
40-125 A	577-2KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)									
					0	7.5	9	12	15	18	21	24	27	30
					0	125	150	200	250	300	350	400	450	500
					H (m)									
40-125 C	2	1.5	2.3	4.0	17.4	17.6	17.5	17.3	16.9	16.4	15.8	15.1	14.2	13.3
40-125 B	3	2.2	2.9	5.2	20.7	–	21.3	21.2	21.0	20.6	20.1	19.4	18.7	17.9
40-125 A	4	3	4.1	7.1	25.2	–	25.8	25.8	25.6	25.4	24.9	24.4	23.7	22.9

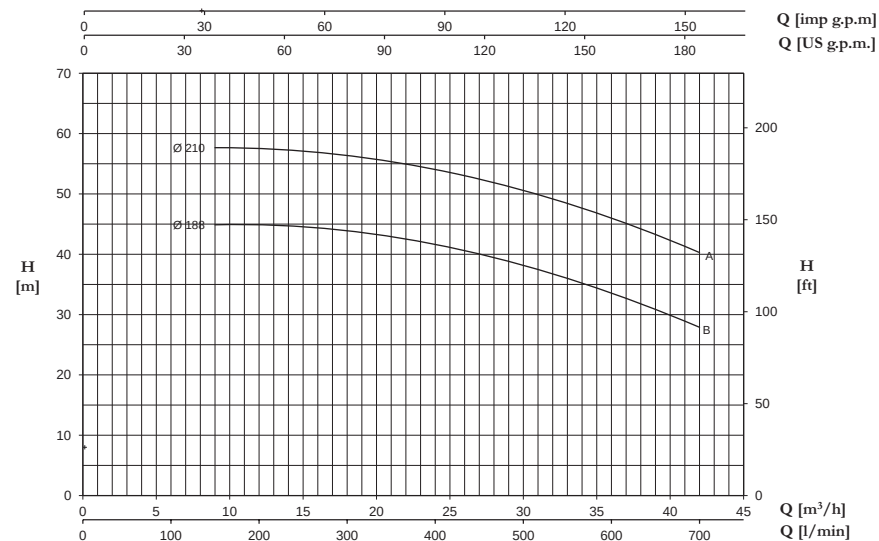
40-160



TYPE CM	3 x 400v
3~	CODE
40-160 B	574-4KKK
40-160 A	574-5KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)											
				3~	0	9	12	15	18	21	24	27	30	33	36	39
				0	150	200	250	300	350	400	450	500	550	600	650	
				3x400 V 50 Hz	H (m)											
(HP)	(kW)	3~														
40-160 B	4	3	4.4	7.4	30.0	30.1	30.0	29.6	29.0	28.2	27.1	25.9	24.4	22.8	21.0	—
40-160 A	5.5	4	5.7	9.9	35.4	35.6	35.5	35.3	35.0	34.2	33.2	32.0	30.6	29.0	27.3	25.4

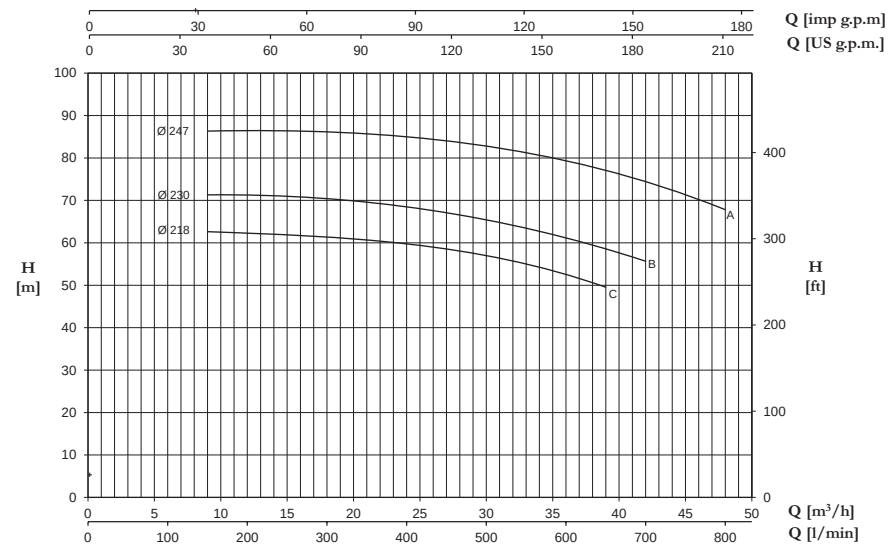
~ 2900 r.p.m. CM EN 733 40-200



TYPE CM	3 x 400v
3~	CODE
40-200 B	574-6KKK
40-200 A	575-1KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)													
				3~	0	9	12	15	18	21	24	27	30	33	36	39	42	
					0	150	200	250	300	350	400	450	500	550	600	650	700	
					H (m)													
(HP)	(kW)	3~	3x400 V 50 Hz															
40-200 B	7.5	5.5	7.4	12.7	44.7	44.9	44.8	44.6	44.0	42.9	41.6	40.0	38.1	36.1	33.6	30.8	27.9	
40-200 A	10	7.5	9.8	16.5	57.7	57.7	57.5	57.1	56.3	55.4	54.1	52.5	50.5	48.5	45.9	43.3	40.3	

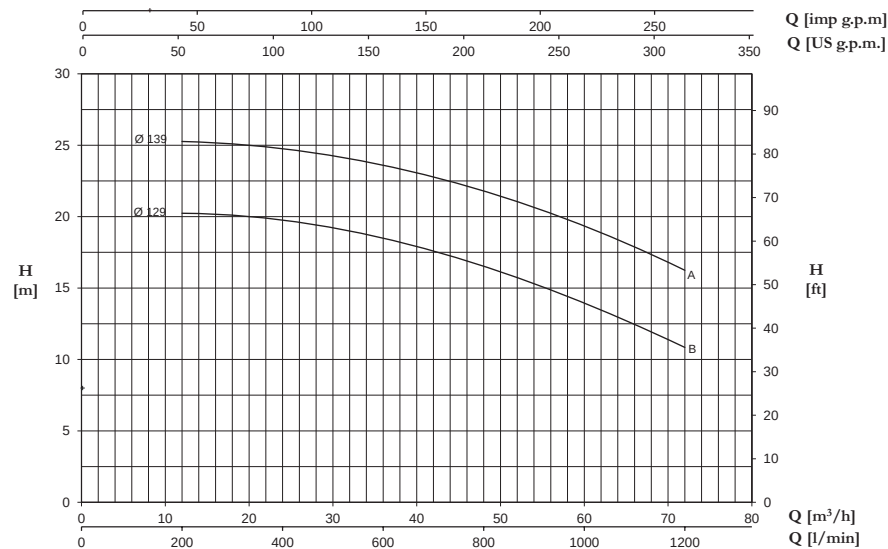
~ 2900 r.p.m. **CM** EN 733 **40-250**



TYPE CM	3 x 400v
3~	CODE
40-250 C	576-7KKK
40-250 B	574-9KKK
40-250 A	575-0KKK

TYPE	P2		P1 (kW)	A 3~ 3x400 V 50 Hz	Q (m³/h - l/min)															
					0	9	12	15	18	21	24	27	30	33	36	39	42	48		
					0	150	200	250	300	350	400	450	500	550	600	650	700	800		
					H (m)															
40-250 C	12,5	9,2	11,9	20,2	63	62,6	62,4	61,9	61,3	60,5	59,7	58,6	57,1	55	52,4	49,6	—	—		
40-250 B	15	11	14	23,9	70,8	71,3	71,2	71	70,5	69,8	68,4	66,6	65,4	63,8	61,2	58,5	55,6	—		
40-250 A	20	15	19	31,3	86,1	86,3	86,5	86,4	86	85,6	85	84,1	82,9	81,3	79,4	77	74,3	67,9		

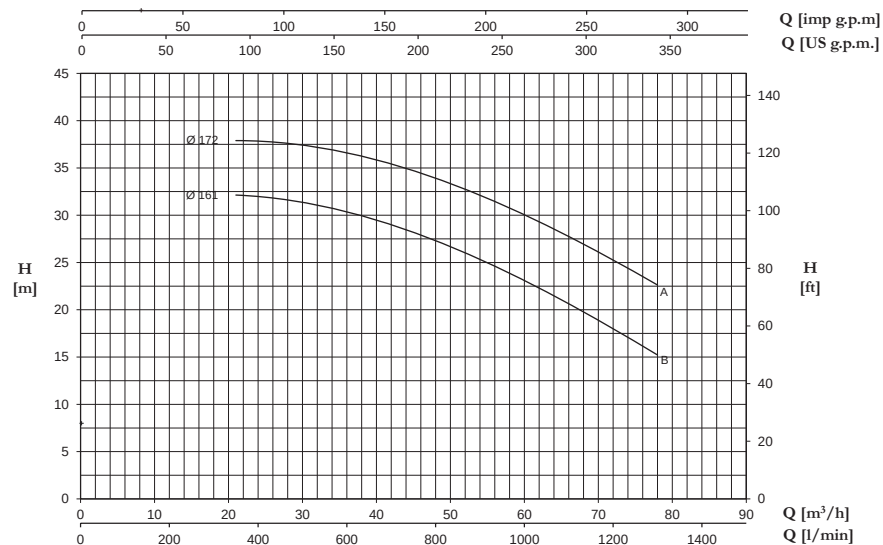
50-125



TYPE CM	3 x 400v
3~	CODE
50-125 B	577-3KKK
50-125 A	577-4KKK

TYPE	P2		P1		AMPERE	Q (m³/h - l/min)																		
						1~	3~	0	12	15	18	21	24	27	30	33	36	39	42	48	54	60	66	72
								0	200	250	300	350	400	450	500	550	600	650	700	800	900	1000	1100	1200
								H (m)																
	(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz																		
50-125 B	4	3	—	4,25	—	7,1	19,8	20,2	20,2	20,1	20	19,8	19,5	19,3	18,8	18,5	18	17,6	16,5	15,3	14	12,5	10,8	
50-125 A	5,5	4	—	5,5	—	9,6	24,8	25,2	25,2	25,1	25	24,8	24,6	24,3	23,9	23,5	23,2	22,7	21,8	20,7	19,4	17,9	16,2	

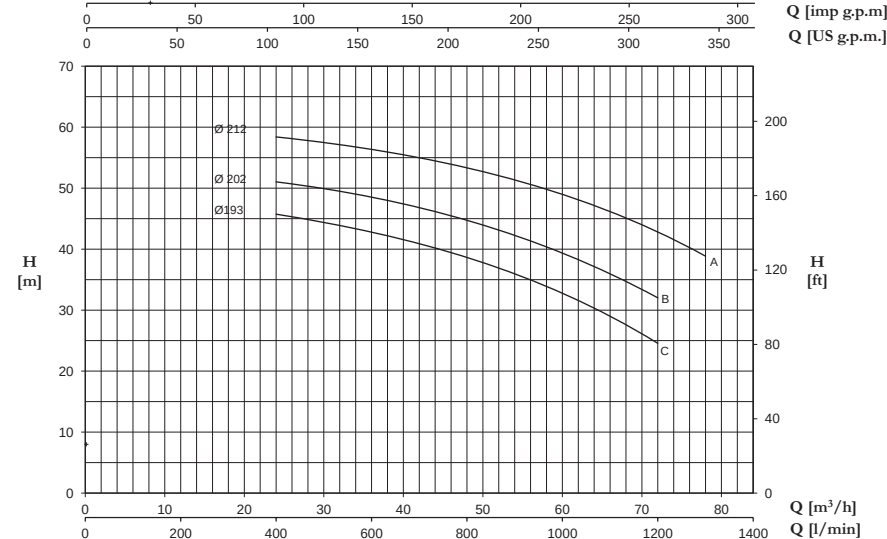
50-160



TYPE CM	3 x 400v
3~	CODE
50-160 B	575-3KKK
50-160 A	575-5KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)															
					3~	0	21	24	27	30	33	36	39	42	48	54	60	66	72	78
						0	350	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300
						H (m)														
(HP)	(kW)	3~	3x400 V 50 Hz																	
50-160 B	7.5	5.5	6.7	11.6	31,1	32,1	32	31,7	31,4	31	30,4	29,7	28,9	27,3	25,3	23,1	20,7	18	15,2	
50-160 A	10	7.5	9.4	15.8	36,7	37,9	37,8	37,7	37,4	37,1	36,6	36,1	35,4	33,9	32,1	30	27,8	25,3	22,6	

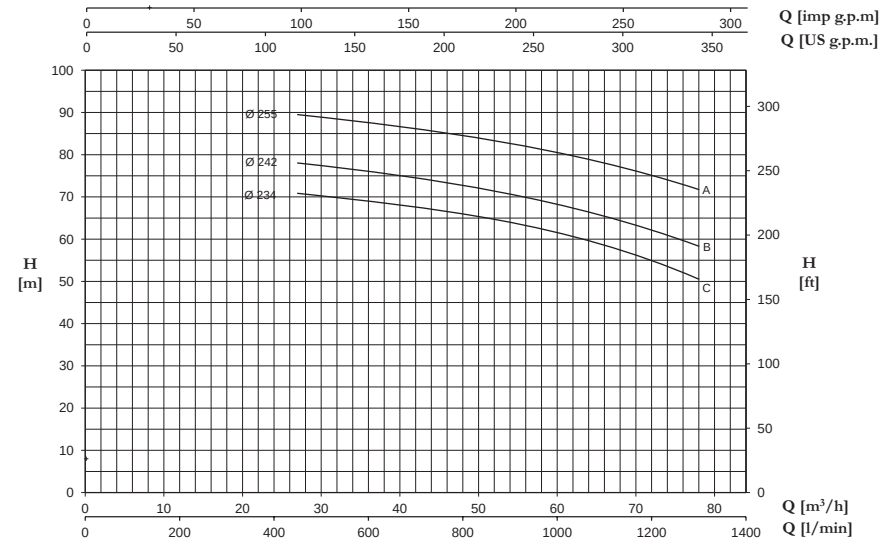
~ 2900 r.p.m. CM EN 733 50-200



TYPE CM	3 x 400v
3~	CODE
50-200 C	577-5KKK
50-200 B	575-6KKK
50-200 A	575-7KKK

TYPE	P2		P1	A	Q (m³/h - l/min)														
				3~	0	24	27	30	33	36	39	42	48	54	60	66	72	78	
				0	400	450	500	550	600	650	700	800	900	1000	1100	1200	1300		
	3x400 V 50 Hz	H (m)																	
50-200 C	12.5	9.2	10.8	18.5	46	45,6	45,1	44,5	43,7	42,9	41,8	40,8	38,5	35,9	33	29	24,5	—	
50-200 B	15	11	12.4	21.0	50,8	51	50,5	50	49,3	48,5	47,7	46,8	44,7	42,2	39,5	35,9	32	—	
50-200 A	20	15	15.4	27.0	58	58,3	58	57,5	57	56,4	55,7	55	53,2	51,3	49	46,3	42,8	38,8	

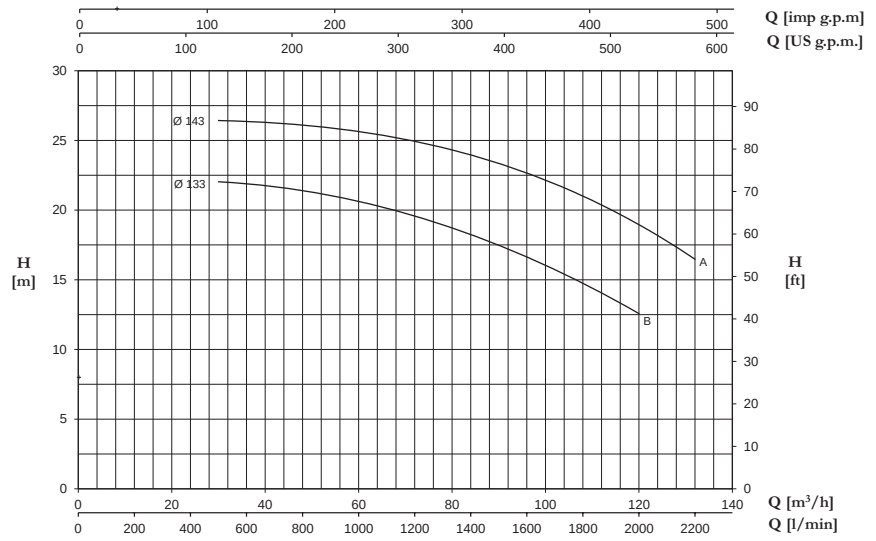
~ 2900 r.p.m. CM EN 733 50-250



TYPE CM	3 x 400v
3~	CODE
50-250 C	575-8KKK
50-250 B	575-9KKK
50-250 A	576-0KKK

TYPE	P2	P1 (kW)	A	Q (m³/h - l/min)														
			3~	0	27	30	33	36	39	42	48	54	60	66	72	78		
			0	450	500	550	600	650	700	800	900	1000	1100	1200	1300			
			3x400 V 50 Hz	H (m)														
(HP)	(kW)	3~																
50-250 C	20	15	20	32,5	71,5	70,8	70,3	69,7	69	68,3	67,6	66	64	61,5	58,6	55	50,5	
50-250 B	25	18.5	23	41.5	78.0	78	77.4	76.8	76,1	75,3	74,5	72,8	70,6	68,2	65,5	62,2	58,3	
50-250 A	30	22.5	28.5	51.5	90	89,5	88,8	88,3	87,7	86,9	86,1	84,5	82,7	80,5	78	75,2	71,7	

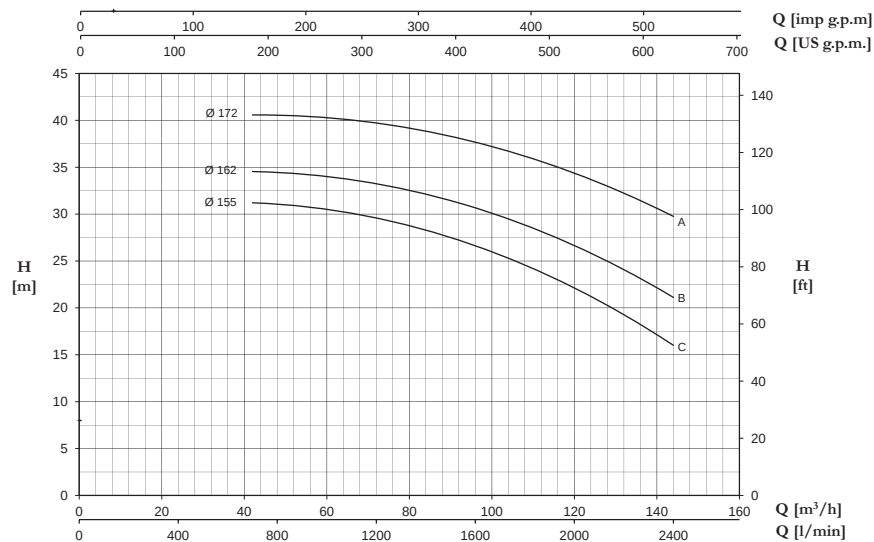
65-125



TYPE CM	3 x 400v
3~	CODE
65-125 B	577-6KKK
65-125 A	577-7KKK

TYPE	P2	P1 (kW)	A	Q (m³/h - l/min)															
				3~	0	30	33	36	39	42	48	54	60	66	72	78	84	96	108
				3~	0	500	550	600	650	700	800	900	1000	1100	1200	1300	1400	1600	1800
				3x400 V 50 Hz	H (m)														
65-125 B	7,5	5,5	7,2	12,6	20,9	22	22	21,9	21,8	21,7	21,4	21	20,6	20,1	19,6	19	18,3	16,6	14,7
65-125 A	10	7,5	9,5	16,3	25,4	26,4	26,4	26,4	26,3	26,3	26,1	25,9	25,6	25,3	24,9	24,5	24	22,7	21

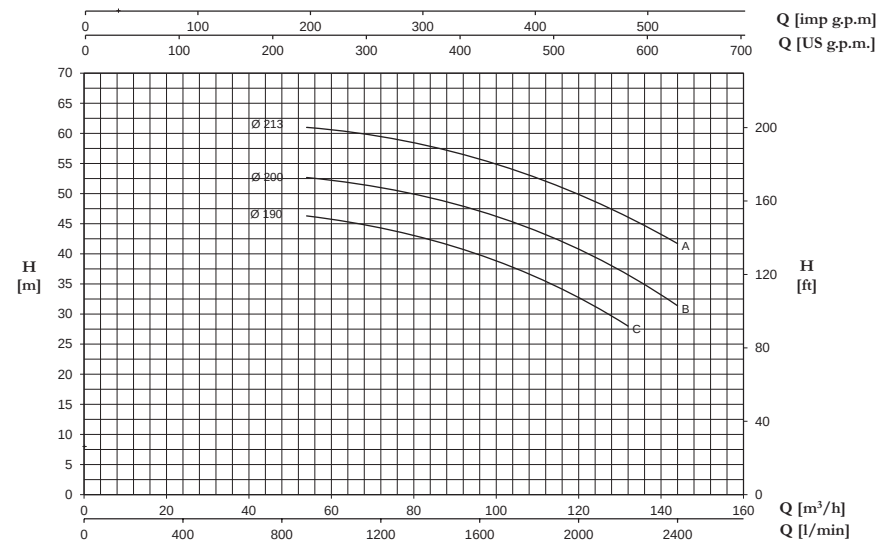
65-160



TYPE CM	3 x 400v
3~	CODE
65-160 C	576-1KKK
65-160 B	576-2KKK
65-160 A	576-3KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)													
					3~													
	(HP)	(kW)	3~	3x400 V 50 Hz	H (m)													
					0	42	48	54	60	66	72	78	84	96	108	120	132	144
65-160 C	12.5	9.2	11.7	19.5	29.8	31.2	31.1	30.8	30.5	30.1	29.6	29	28.3	26.6	24.6	22.1	19.3	16
65-160 B	15	11	13	22.5	33	34.6	34.4	34.2	34	33.7	33.3	32.8	32.1	30.6	28.8	26.7	24.1	21.1
65-160 A	20	15	18	30.0	39.2	40.6	40.6	40.4	40.2	40	39.7	39.4	38.9	37.7	36.2	34.3	32.2	29.8

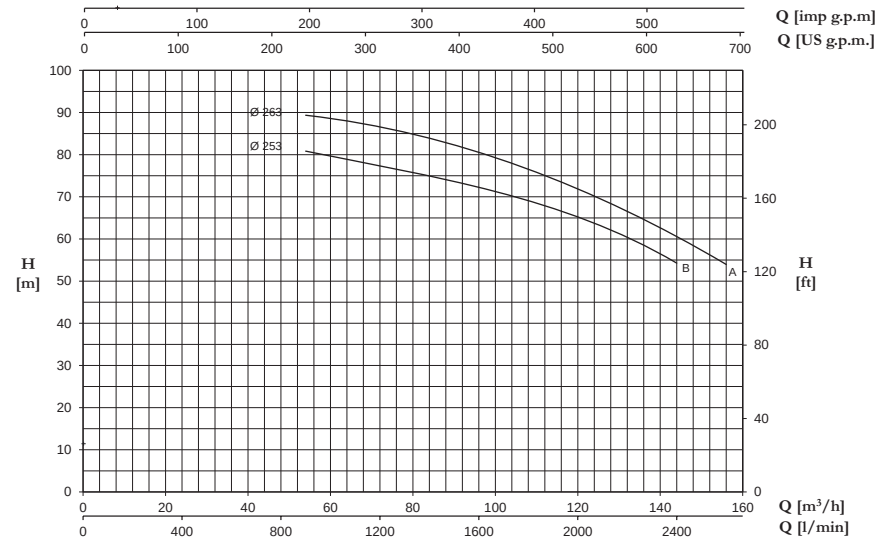
~ 2900 r.p.m. CM EN 733 65-200



TYPE CM	3 x 400v
3~	CODE
65-200 C	576-4KKK
65-200 B	576-5KKK
65-200 A	576-6KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)													
					3~													
	(HP)	(kW)	3~	3x400 V 50 Hz	H (m)													
					0	54	60	66	72	78	84	96	108	120	132	144		
65-200 C	20	15	18.6	31.4	45.3	46.3	45.7	45.1	44.3	43.4	42.3	39.8	36.7	32.7	28.0	—		
65-200 B	25	18.5	22.6	38.2	51.6	52.6	52.2	51.8	51.0	50.2	49.3	47.1	44.1	40.9	36.6	31.3		
65-200 A	30	22.5	26.6	43.8	60.2	61.0	60.6	60.1	59.5	58.7	57.8	55.8	53.1	49.8	46.1	41.7		

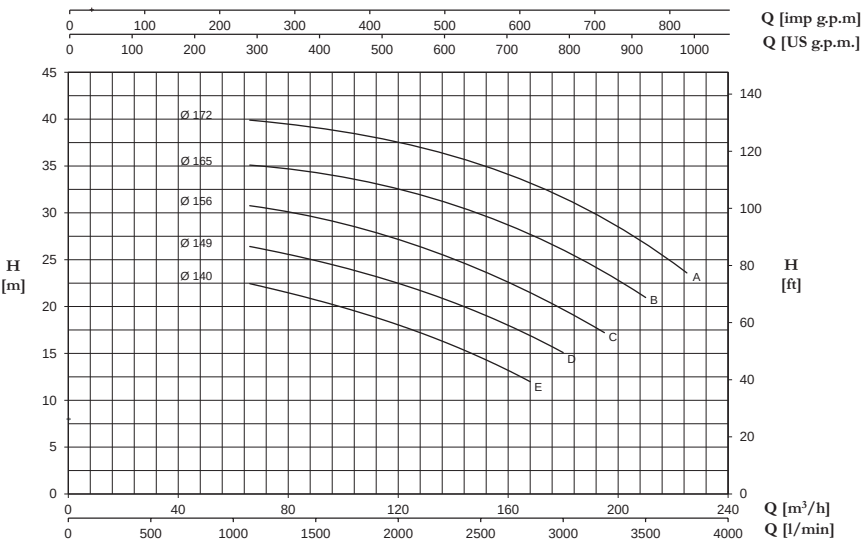
~ 2900 r.p.m. **CM** EN 733 **65-250**



TYPE CM	3 x 400v
3~	CODE
65-250 B	577-8KKK
65-250 A	577-9KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)															
				3~	0	54	60	66	72	78	84	96	108	120	132	144	156			
					0	900	1000	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600			
					H (m)															
(HP)	(kW)	3~	3x400 V 50 Hz																	
65-250 B	40	30	37.8	63.5	81.0	79.5	78.5	77.3	76.0	74.5	73.0	69.3	65.0	60.0	54.5	48.5	—			
65-250 A	50	37	45	74.5	90.0	89.5	88.5	87.5	86.5	85.5	84.0	80.5	76.5	72.0	66.5	60.5	54.0			

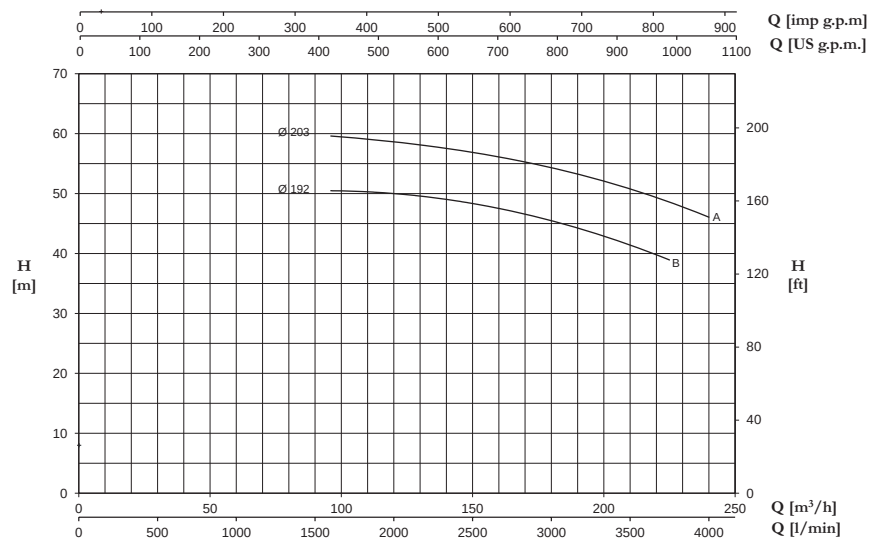
80-160



TYPE CM	3 x 400v
3~	CODE
80-160 E	578-4KKK
80-160 D	578-0KKK
80-160 C	578-1KKK
80-160 B	578-2KKK
80-160 A	578-3KKK

TYPE	P2		P1 (kW)	A 3~ 3x400 V 50 Hz	Q (m³/h - l/min)															
					0	66	72	78	84	96	108	120	132	144	156	168	180	195	210	225
					0	1100	1200	1300	1400	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750
	(HP)	(kW)	3~	H (m)																
80-160 E	12.5	9.2	9.9	17.2	21.4	22.4	22.1	21.6	21.2	20.2	19.2	18	16.8	15.4	13.7	12	—	—	—	—
80-160 D	15	11	12.7	22.1	25.4	26.4	26.1	25.7	25.3	24.4	23.6	22.5	21.3	20	18.5	16.9	15.1	—	—	—
80-160 C	20	15	15.9	27.4	29.7	30.7	30.5	30.3	29.9	29.2	28.1	27.1	26	24.7	23.1	21.5	19.7	17.2	—	—
80-160 B	25	18.5	20.1	34.8	34	35	35	34.8	34.6	34	33.3	32.5	31.6	30.5	29.2	27.8	26	23.6	21	—
80-160 A	30	22.5	23.7	39.8	38.8	39.8	39.7	39.6	39.4	38.9	38.2	37.5	36.7	35.7	34.5	33.2	31.6	29.4	26.8	23.5

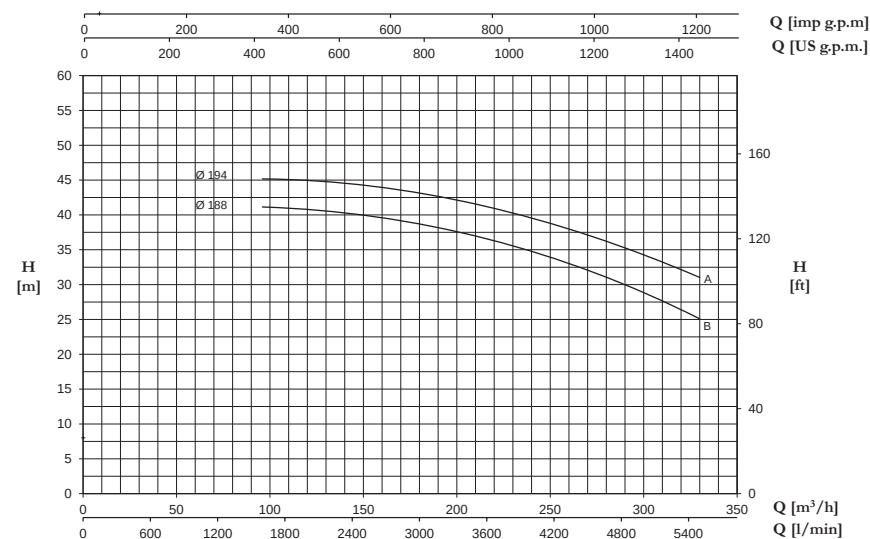
80-200



TYPE CM	3 x 400v
3~	CODE
80-200 B	578-6KKK
80-200 A	578-7KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)																
				3~	0	96	108	120	132	144	156	168	180	195	210	225	240				
					0	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000				
					3x400 V																
					50 Hz	H (m)															
(HP)	(kW)	3~																			
80-200 B	40	30	37.8	63.5	49.0	50.6	50.3	49.8	49.3	48.6	47.7	46.7	45.5	44.8	41.6	38.6	—				
80-200 A	50	37	45	74.5	58.0	59.6	59.2	58.6	58.0	57.3	56.4	55.5	54.3	52.7	50.8	48.5	46.1				

~ 2900 r.p.m. CM EN 733 100-160

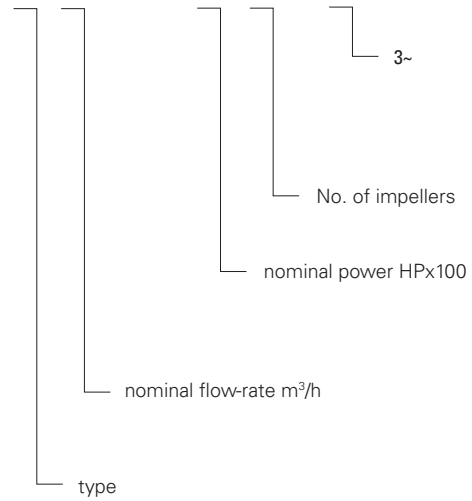


TYPE CM	3 x 400v
3~	CODE
100-160 B	578-8KKK
100-160 A	578-9KKK

TYPE	P2		P1 (kW)	A	Q (m³/h - l/min)															
				3~	0	96	108	120	132	144	156	168	180	195	210	225	240	270	300	330
					0	1600	1800	2000	2200	2400	2600	2800	3000	3250	3500	3750	4000	4500	5000	5500
					3x400 V 50 Hz	H (m)														
	(HP)	(kW)	3~																	
100-160 B	40	30	35	57.2	41,8	41,1	41,1	40,9	40,6	40,2	39,7	39,2	38,6	37,9	37,0	36,0	34,8	32,1	28,8	25,1
100-160 A	50	37	39	65	45,7	45,1	45,2	45,1	44,8	44,4	44,0	43,6	43,2	42,4	41,5	40,5	39,5	37,2	34,3	31,0

ULTRA

U 3 - 120/6 T



Stainless steel multistage horizontal pumps. Pumping of clean non-loaded fluids, pressurizing system, irrigation, drinking and glycol water, water treatment, heating and air conditioning, and washing system. Non self priming.

CONSTRUCTION FEATURES	
Pump body	stainless steel AISI 304
Motor bracket	aluminium
Impeller	Noryl®
Mechanical seal	ceramic-graphite ≤ 6 impellers graphite-silicon carbide ≥ 7 impellers
Motor shaft	stainless steel AISI 303
Liquid temperature	-5 ÷ +35 °C
Operating pressure	max 8,5 bar
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection up to 1,85 kW
Insulation class	F
Protection degree	IP44



ULTRA 3



ULTRA 5



ULTRA 7



ULTRA 9

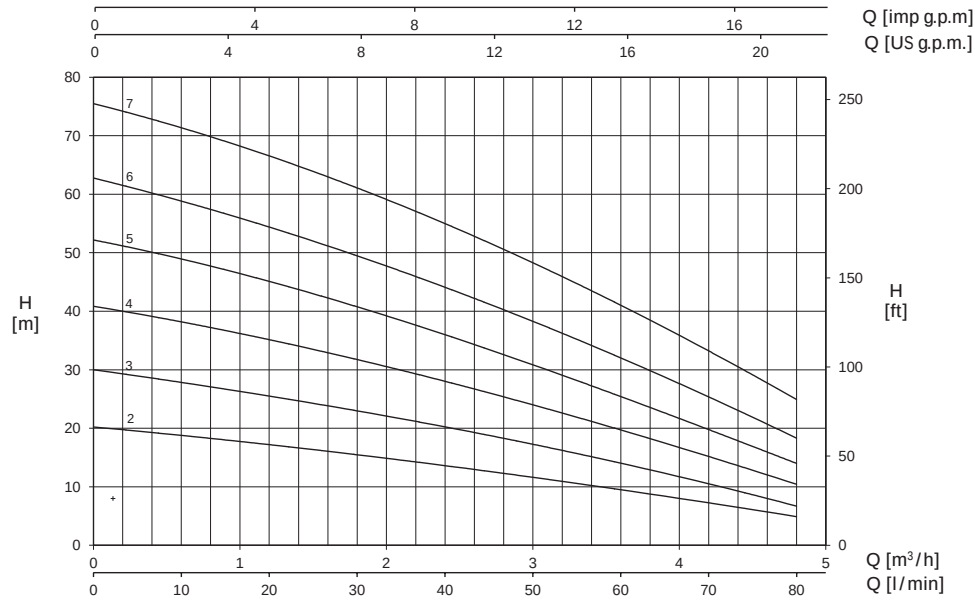


ULTRA 18



ULTRA 3

NORYL IMPELLERS & DIFFUSERS

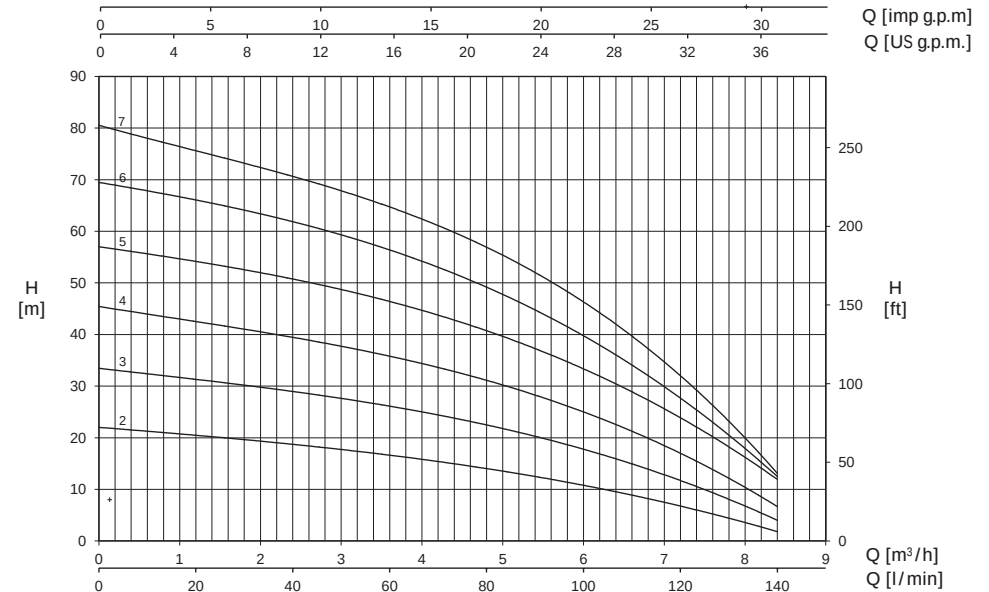


TYPE ULTRA 3		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 3-50/2	U 3-50/2T	1000-1005	1000-1010
U 3-70/3	U 3-70/3T	1000-1015	1000-1020
U 3-90/4	U 3-90/4T	1000-1025	1000-1030
U 3-100/5	U 3-100/5T	1000-1035	1000-1040
U 3-120/6	U 3-120/6T	1000-1045	1000-1050
U 3-150/7	U 3-150/7T	1000-1055	1000-1060

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					1~	3~	0	0,6	1,2	1,8	2,4	3,6	4,8	
								0	10	20	30	40	60	80	
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
(HP)	(kW)	1~	3~												
U 3-50/2	U 3-50/2T	0,5	0,37	0,45	0,46	2	0,9	20,2	18,8	17,3	15,3	13,7	9,5	4,9	
U 3-70/3	U 3-70/3T	0,7	0,51	0,65	0,63	2,9	1,2	30	27,9	25,4	23	20,3	14	6,7	
U 3-90/4	U 3-90/4T	0,9	0,66	0,9	0,88	4	1,8	40,8	38,3	35,1	31,8	27,9	19,8	10,4	
U 3-100/5	U 3-100/5T	1	0,75	1,06	1,01	4,8	1,9	52,2	48,9	45,1	40,8	36	25,4	14	
U 3-120/6	U 3-120/6T	1,2	0,9	1,23	1,23	5,6	2,6	62,8	58,7	54,5	49,6	43,9	32,1	18,3	
U 3-150/7	U 3-150/7T	1,5	1,1	1,54	1,45	7,1	2,9	75,5	71,3	66,6	61,2	54,8	41,1	24,9	

ULTRA 5

NORYL IMPELLERS & DIFFUSERS

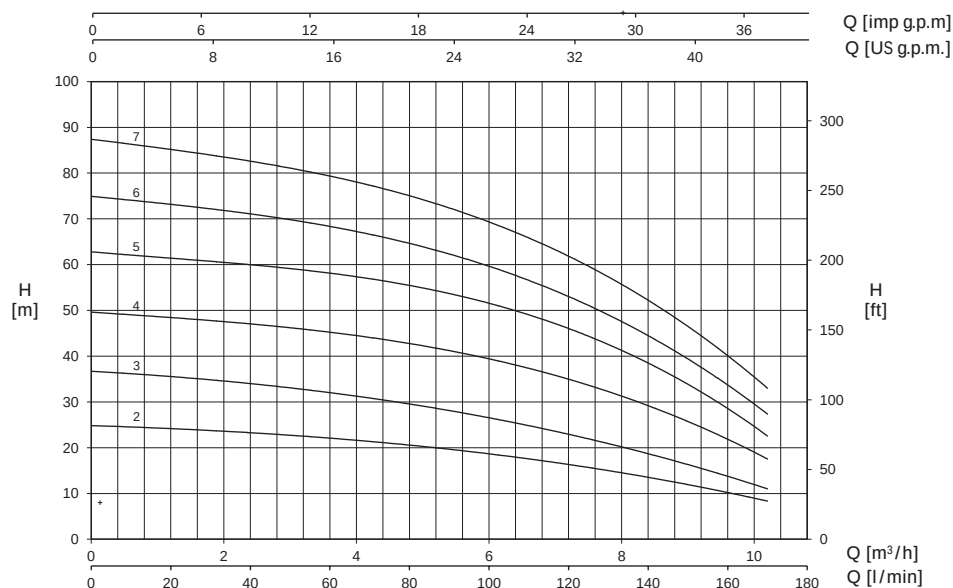


TYPE ULTRA 5		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 5-70/2	U 5-70/2T	1000-1065	1000-1070
U 5-80/3	U 5-80/3T	1000-1075	1000-1080
U 5-120/4	U 5-120/4T	1000-1085	1000-1090
U 5-150/5	U 5-150/5T	1000-1095	1000-1100
U 5-180/6	U 5-180/6T	1000-1105	1000-1110
U 5-200/7	U 5-200/7T	1000-1115	1000-1120

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					0	1,8	2,4	3,6	4,8	6	7,2	8,4		
						0	30	40	60	80	100	120	140		
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
(HP)	(kW)	1~	3~												
U 5-70/2	U 5-70/2T	0,7	0,51	0,61	0,58	2,7	1,1	22	19,7	18,7	16,6	14	10,8	6,8	1,8
U 5-80/3	U 5-80/3T	0,8	0,6	0,86	0,79	3,9	1,5	33,4	30,3	29	26	22,5	17,6	12	3,9
U 5-120/4	U 5-120/4T	1,2	0,9	1,13	1,13	5,2	2,5	45,3	41,3	39,6	35,6	30,8	24,9	17,6	6,4
U 5-150/5	U 5-150/5T	1,5	1,1	1,47	1,39	6,8	2,8	56,8	53	51	46,1	40,1	33,3	24,8	11,5
U 5-180/6	U 5-180/6T	1,8	1,3	1,7	1,62	7,7	3	69,3	64,4	62	55,6	48,2	39,6	28,8	12
U 5-200/7	U 5-200/7T	2	1,5	2	1,86	9	3,4	80,3	73,6	71	64,5	56,1	46	33,4	12,5

ULTRA 7

NORYL IMPELLERS & DIFFUSERS

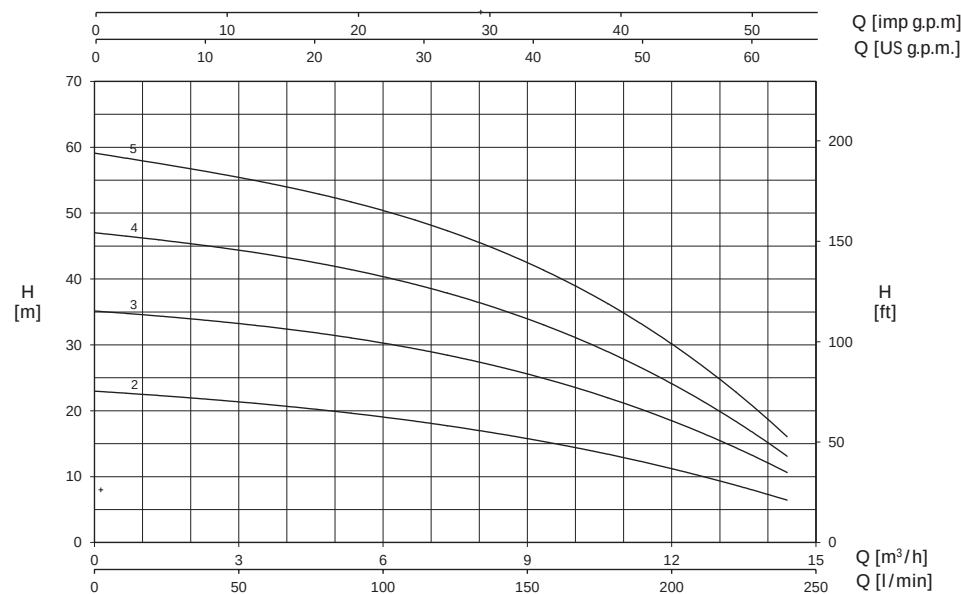


TYPE ULTRA 7		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 7-100/2	U 7-100/2T	1000-1125	1000-1130
U 7-120/3	U 7-120/3T	1000-1135	1000-1140
U 7-180/4	U 7-180/4T	1000-1145	1000-1150
U 7-250/5	U 7-250/5T	1000-1155	1000-1160
U 7-300/6	U 7-300/6T	1000-1165	1000-1170
-	U 7-350/7T	-	1000-1180

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
1~	3~					1~	3~	0	2,4	3,6	4,8	6	7,2	8,4	9,6	10,2	
								0	40	60	80	100	120	140	160	170	
								1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
(HP)	(kW)	1~	3~														
U 7-100/2	U 7-100/2T	1	0,75	0,97	0,9	4,4	1,7	24,8	23,4	22	20,5	18,7	16,3	13,6	10,2	8,3	
U 7-120/3	U 7-120/3T	1,2	0,9	1,32	1,3	5,9	2,6	36,7	34	32	29,6	26,5	23	18,6	13,8	11	
U 7-180/4	U 7-180/4T	1,8	1,3	1,83	1,71	8,3	3,2	49,5	47,4	45,3	42,5	39,2	34,8	29,4	22,6	16,9	
U 7-250/5	U 7-250/5T	2,5	1,85	2,39	2,15	10,9	4,2	62,6	60,6	58,2	55,1	51,1	45,8	39	29,8	21,5	
U 7-300/6	U 7-300/6T	3	2,2	2,68	2,63	12,2	5	74,8	71,5	68,3	64,5	59,3	53	44,6	34,5	26,7	
-	U 7-350/7T	3,5	2,57	-	3,04	-	5,5	87,2	83,3	79,3	74,6	68,9	61,9	52,5	41	32,2	

ULTRA 9

NORYL IMPELLERS & DIFFUSERS

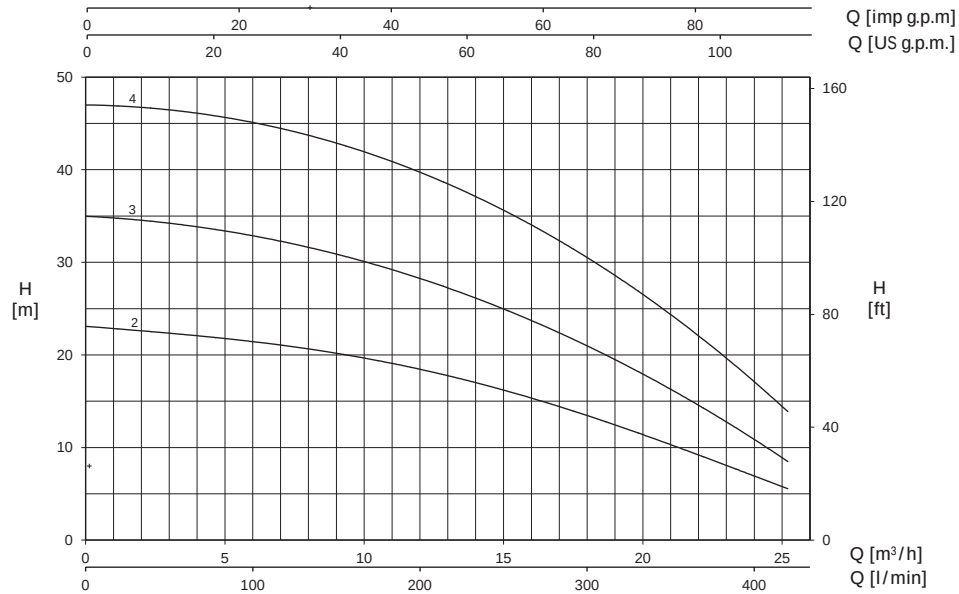


TYPE ULTRA 9		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 9-100/2	U 9-100/2T	1000-1185	1000-1190
U 9-150/3	U 9-150/3T	1000-1195	1000-1200
U 9-200/4	U 9-200/4T	1000-1205	1000-1210
U 9-250/5	U 9-250/5T	1000-1215	1000-1220

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)											
1~	3~					0	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2	14,4			
						0	60	80	100	120	140	160	180	200	220	240			
						H (m)													
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz												
U 9-100/2	U 9-100/2T	1	0,75	0,98	0,92	4,4	1,7	23	20,9	20	19,1	17,9	16,6	15	13,2	11,1	8,9	6,5	
U 9-150/3	U 9-150/3T	1,5	1,1	1,43	1,38	6,7	2,8	35,2	32,6	31,5	30,3	28,8	26,9	24,5	21,5	18,3	14,7	10,8	
U 9-200/4	U 9-200/4T	2	1,5	1,88	1,77	8,4	3,3	47,1	43,5	42	40,5	38,3	35,7	32,4	28,4	23,8	18,9	13,3	
U 9-250/5	U 9-250/5T	2,5	1,85	2,32	2,18	10,6	4,3	59,2	54,4	52,4	50,4	47,9	44,8	40,5	35,5	29,8	23,5	16,3	

ULTRA 18

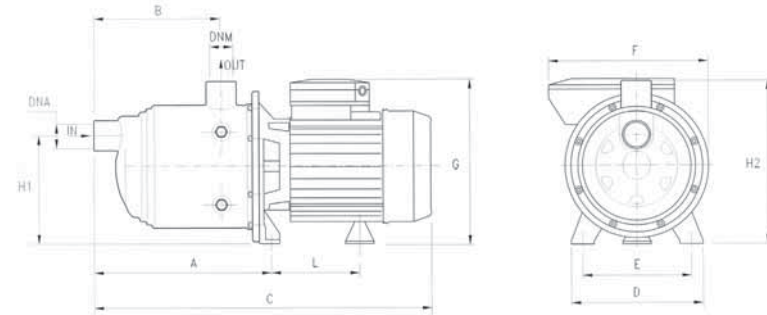
NORYL IMPELLERS & DIFFUSERS



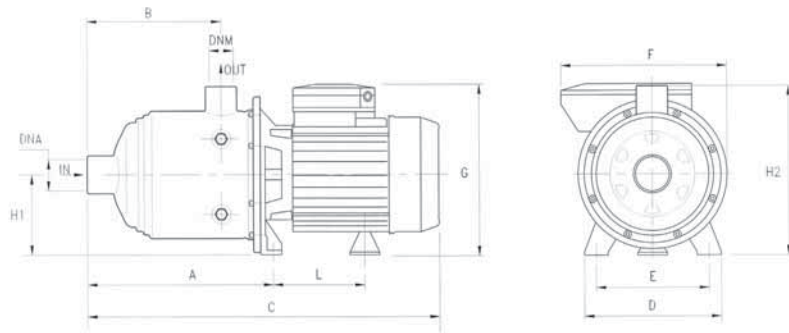
TYPE ULTRA 18	3 x 400v
3~	CODE
U 18-180/2T	1000-1230
U 18-250/3T	1000-1240
U 18-400/4T	1000-1250

TYPE	P2	P1 (kW)	A	Q (m³/h - l/min)																			
			3~	0	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18	19.2	20.4	21.6	22.8	24	25.2		
				0	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	420		
				H (m)																			
				(HP)	(kW)	3~																	
3~			3x400 V 50 Hz																				
U 18-180/2T	1,8	1,3	1,52	3	23,1	21,4	21	20,5	19,9	19,2	18,4	17,6	16,7	15,7	14,7	13,5	12,1	10,9	9,7	8,3	7	5,5	
U 18-250/3T	2,5	1,85	2,19	4,3	35	32,7	32,2	31,4	30,5	29,5	28,3	26,7	25,5	24,3	22,8	21,2	19,3	17,3	15,1	12,9	10,8	8,7	
U 18-400/4T	4	3	2,99	5,5	47,2	44,6	44,1	43,3	42,4	41,2	40	38,5	36,7	34,9	32,9	30,5	27,9	25,3	22,7	20	17,1	14,3	

DIMENSION

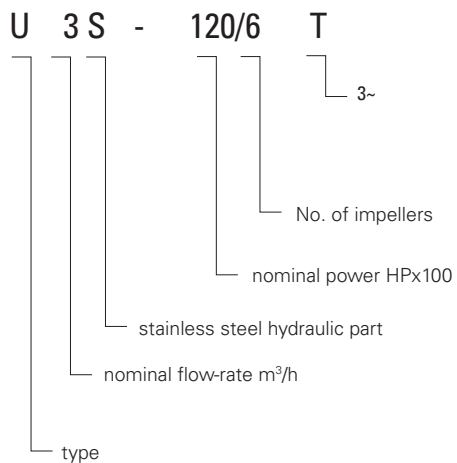


TYPE	DIMENSIONS (mm)										Kg	DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2			
U 3-50/2	166,8	103	333	164	140	178	190	93,7	128	192	6,3	1" G	1" G
U 3-70/3	166,8	103	333	164	140	178	190	93,7	128	192	7,2		
U 3-90/4	190,8	127	357	164	140	178	190	93,7	128	192	8,3		
U 3-100/5	214,8	151	404	164	140	178	203	104,7	128	192	10,6		
U 3-120/6	238,8	175	428	164	140	178	203	104,7	128	192	11		
U 3-150/7	262,8	199	483	164	140	201	211	128,2	134	198	14,1		
U 5-70/2	166,8	103	333	164	140	178	195	93,7	128	192	7,1		
U 5-80/3	166,8	103	357	164	140	178	203	93,7	128	192	9,5		
U 5-120/4	190,8	127	380	164	140	178	203	104,7	128	192	11,1		
U 5-150/5	214,8	151	436	164	140	201	211	128,2	134	198	13,5		
U 5-180/6	238,8	175	459	164	140	201	211	128,2	134	198	14,4		
U 5-200/7	262,8	199	483	164	140	201	211	128,2	134	198	16,2		



TYPE	DIMENSIONS (mm)										Kg	DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2			
U 7-100/2	166,8	103	356	164	140	178	203	104,7	92	192	10,0	1" 1/4 G	1" G
U 7-120/3	166,8	103	356	164	140	178	203	104,7	92	192	10,8		
U 7-180/4	190,8	127	411	164	140	201	211	128,2	98	198	13,8		
U 7-250/5	214,8	151	436	164	140	201	211	128,2	98	198	15,8		
U 7-300/6	238,8	175	M 503 T 459	164	140	201	M 229 T 211	M 148,2 T 128,2	M 103 T 98	M 203 T 198	18,2		
U 7-350/7	262,8	199	527	164	140	201	229	148,2	103	203	18,6	1" 1/2 G	1" 1/4 G
U 9-100/2	185,8	118	375	164	140	178	203	104,7	98	192	10,1		
U 9-150/3	185,8	118	375	164	140	201	211	128,2	98	198	13,2		
U 9-200/4	215,8	148	436	164	140	201	211	128,2	98	198	15,5		
U 9-250/5	245,8	178	464	164	140	201	211	128,2	98	198	16,1		
U 18-180/2T	201	141	432	164	140	201	211	128,2	98	198	12,9	2" G	1" 1/2 G
U 18-250/3T	238,5	141	432	164	140	201	211	128,2	98	198	14,5		
U 18-400/4T	276	178,5	514	164	140	201	229	148,2	103	203	20,8		

ULTRA S



Stainless steel multistage horizontal pumps. Pumping of clean non-loaded fluids, pressurizing system, irrigation, drinking and glycol water, water treatment, heating and air conditioning, and washing system. Non self priming.



CONSTRUCTION FEATURES

Pump body	stainless steel AISI 304
Motor bracket	aluminium
Impeller	stainless steel AISI 304
Mechanical seal	ceramic-graphite ≤ 6 impellers graphite-silicon carbide ≥ 7 impellers
Motor shaft	stainless steel AISI 303
Liquid temperature	-15 ÷ +110 °C
Operating pressure	max 8,5 bar

MOTOR

2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz with thermal protection up to 1,85 kW
Insulation class	F
Protection degree	IP44



ULTRA 3S



ULTRA 5S



ULTRA 7S



ULTRA 9S

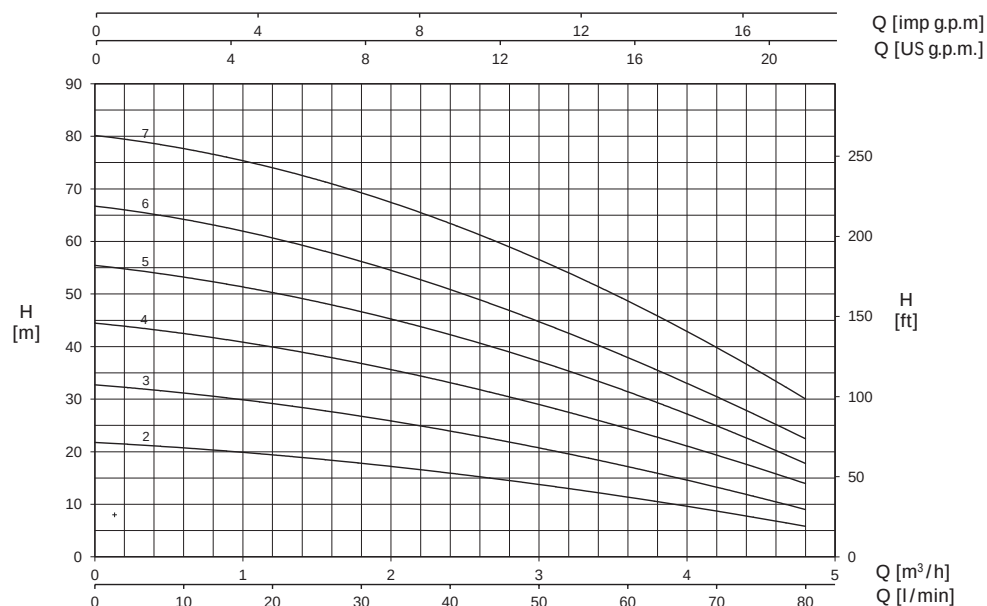


ULTRA 18S



ULTRA 3S

STAINLESS STEEL IMPELLERS & DIFFUSERS

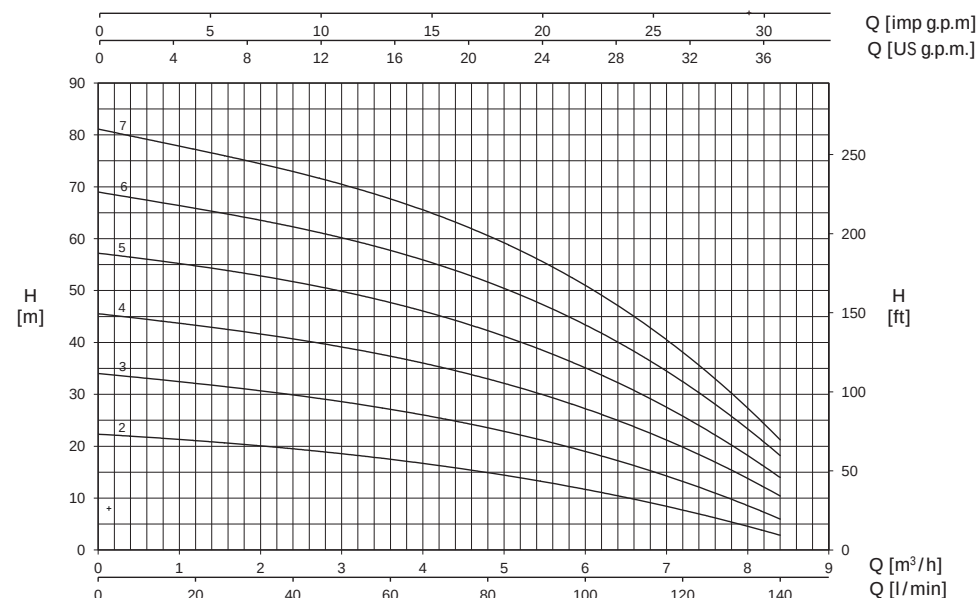


TYPE ULTRA 3S		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 3S-50/2	U 3S-50/2T	1000-1305	1000-1310
U 3S-70/3	U 3S-70/3T	1000-1315	1000-1320
U 3S-90/4	U 3S-90/4T	1000-1325	1000-1330
U 3S-100/5	U 3S-100/5T	1000-1335	1000-1340
U 3S-120/6	U 3S-120/6T	1000-1345	1000-1350
U 3S-150/7	U 3S-150/7T	1000-1355	1000-1360

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	0,6	1,2	1,8	2,4	3,6	4,8	
								0	10	20	30	40	60	80	
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
U 3S-50/2	U 3S-50/2T	0,5	0,37	0,41	0,41	1,8	0,9	21,7	20,9	19,3	17,8	15,9	11,4	5,8	
U 3S-70/3	U 3S-70/3T	0,7	0,51	0,61	0,58	2,7	1,1	32,7	31,2	29,2	26,7	23,9	17,2	9	
U 3S-90/4	U 3S-90/4T	0,9	0,66	0,83	0,8	3,6	1,7	44,3	42,8	40	36,4	33,2	24,5	13,9	
U 3S-100/5	U 3S-100/5T	1	0,75	0,99	0,92	4,4	1,7	55,3	53,5	50,3	46,5	42,1	31,6	17,7	
U 3S-120/6	U 3S-120/6T	1,2	0,9	1,11	1,11	5,1	2,5	66,6	64,4	60,8	56	50,7	38,1	22,4	
U 3S-150/7	U 3S-150/7T	1,5	1,1	1,38	1,31	6,4	2,7	80,1	77,7	74,2	69,1	63,3	48,8	30	

ULTRA 5S

STAINLESS STEEL IMPELLERS & DIFFUSERS

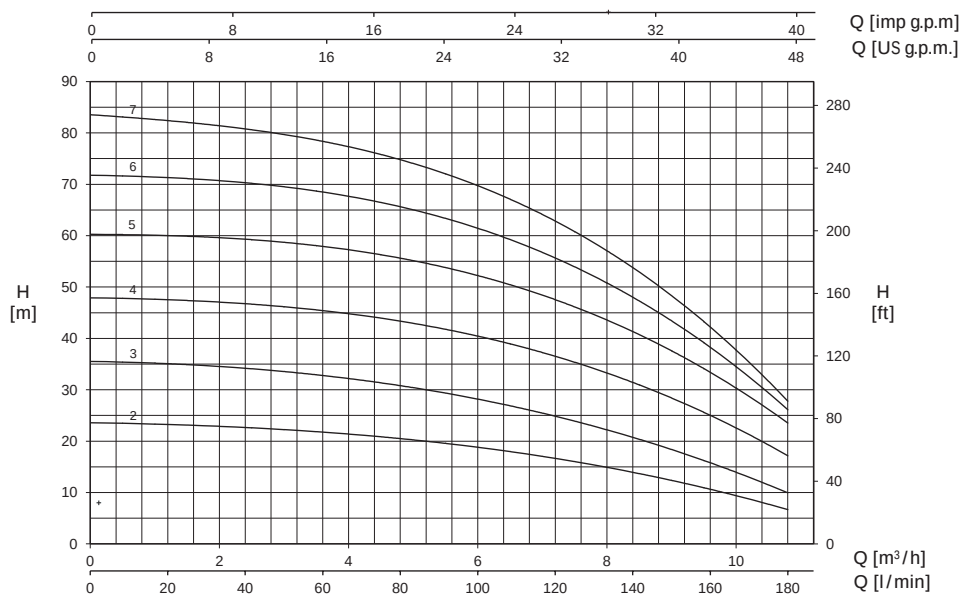


TYPE ULTRA 5S		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 5S-70/2	U 5S-70/2T	1000-1365	1000-1370
U 5S-80/3	U 5S-80/3T	1000-1375	1000-1380
U 5S-120/4	U 5S-120/4T	1000-1385	1000-1390
U 5S-150/5	U 5S-150/5T	1000-1395	1000-1400
U 5S-180/6	U 5S-180/6T	1000-1405	1000-1410
U 5S-200/7	U 5S-200/7T	1000-1415	1000-1420

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	1,8	2,4	3,6	4,8	6	7,2	8,4
								0	30	40	60	80	100	120	140
						1x230 V 50 Hz	3x400 V 50 Hz	H (m)							
U 5S-70/2	U 5S-70/2T	0,7	0,51	0,6	0,58	2,6	1,1	22,3	20,4	19,5	17,5	14,8	11,7	7,8	2,8
U 5S-80/3	U 5S-80/3T	0,8	0,6	0,8	0,75	3,8	1,4	34	31,1	29,9	27	23,6	19,1	13,1	6
U 5S-120/4	U 5S-120/4T	1,2	0,9	1,09	1,08	4,9	2,4	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
U 5S-150/5	U 5S-150/5T	1,5	1,1	1,39	1,31	6,5	2,7	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14
U 5S-180/6	U 5S-180/6T	1,8	1,3	1,63	1,55	7,3	3	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1
U 5S-200/7	U 5S-200/7T	2	1,5	1,94	1,77	8,7	3,3	81	75,5	73	67,4	60,3	51	38,6	21

ULTRA 7S

STAINLESS STEEL IMPELLERS & DIFFUSERS

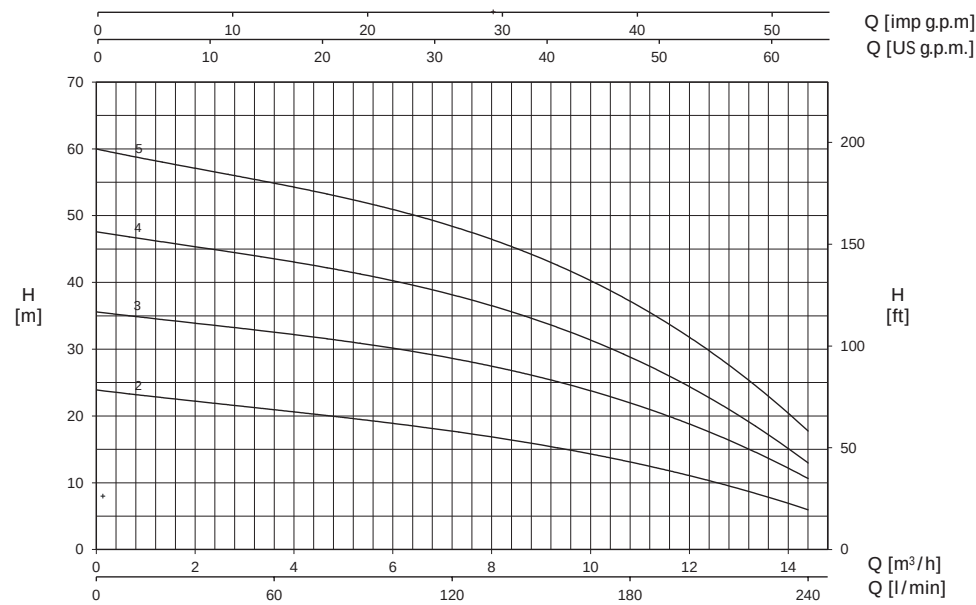


TYPE ULTRA 7S		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 7S-100/2	U 7S-100/2T	1000-1425	1000-1430
U 7S-120/3	U 7S-120/3T	1000-1435	1000-1440
U 7S-180/4	U 7S-180/4T	1000-1445	1000-1450
U 7S-250/5	U 7S-250/5T	1000-1455	1000-1460
U 7S-300/6	U 7S-300/6T	1000-1465	1000-1470
-	U 7S-350/7T	-	1000-1480

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)									
						1~	3~	0	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	
0	40							60	80	100	120	140	160	180			
H (m)																	
1~	3~	(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz										
U 7S-100/2	U 7S-100/2T	1	0,75	0,91	0,84	4,1	1,6	23,6	22,6	21,8	20,5	18,8	16,7	13,9	10,6	6,7	
U 7S-120/3	U 7S-120/3T	1,2	0,9	1,23	1,22	5,6	2,5	35,6	33,9	32,8	31,2	28,1	24,7	20,8	15,7	10	
U 7S-180/4	U 7S-180/4T	1,8	1,3	1,69	1,62	7,7	3,1	48	46,3	45,7	43,6	40,4	36,4	31,4	25	17,2	
U 7S-250/5	U 7S-250/5T	2,5	1,85	2,19	2,05	10,2	4,1	60,3	59	58,2	55,7	52,2	47,4	41,3	33,5	22	
U 7S-300/6	U 7S-300/6T	3	2,2	2,53	2,44	11,4	4,8	72,5	70,5	69,2	66	61,5	55,7	47,8	37,8	24,7	
-	U 7S-350/7T	3,5	2,57	-	2,84	-	5,1	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5	

ULTRA 9S

STAINLESS STEEL IMPELLERS & DIFFUSERS

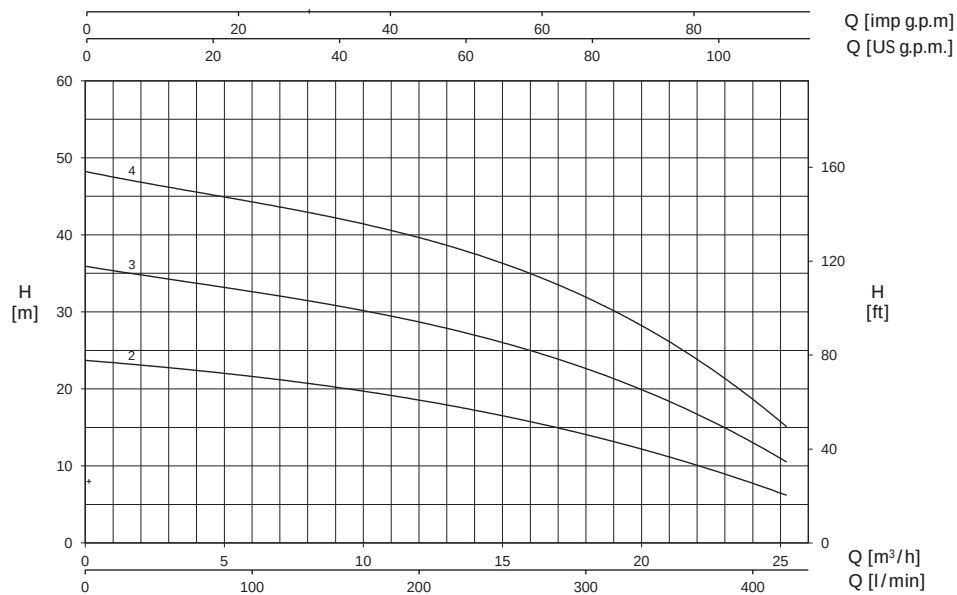


TYPE ULTRA 9S		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 9S-100/2	U 9S-100/2T	1000-1485	1000-1490
U 9S-150/3	U 9S-150/3T	1000-1495	1000-1500
U 9S-200/4	U 9S-200/4T	1000-1505	1000-1510
U 9S-250/5	U 9S-250/5T	1000-1515	1000-1520

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)												
						1~	3~	0	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2	14,4		
0	60			80	100			120	140	160	180	200	220	240						
1x230 V 3x400 V				H (m)																
1~	3~	(HP)	(kW)	1~	3~	50 Hz	50 Hz													
		U 9S-100/2	U 9S-100/2T	1	0,75	0,99	0,95	4,5	1,6	23,9	20,9	20	18,8	17,7	16,5	15	13	11	8,7	6
		U 9S-150/3	U 9S-150/3T	1,5	1,1	1,47	1,4	6,8	2,8	35,6	32,5	31,5	30	28,7	26,9	24,6	22	18,7	15	10,7
		U 9S-200/4	U 9S-200/4T	2	1,5	1,88	1,77	8,4	3,3	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19	13,1
		U 9S-250/5	U 9S-250/5T	2,5	1,85	2,36	2,23	10,8	4,3	60	54,8	53	51	48,2	45,4	42	37,3	31,6	25	18

ULTRA 18S

STAINLESS STEEL IMPELLERS & DIFFUSERS

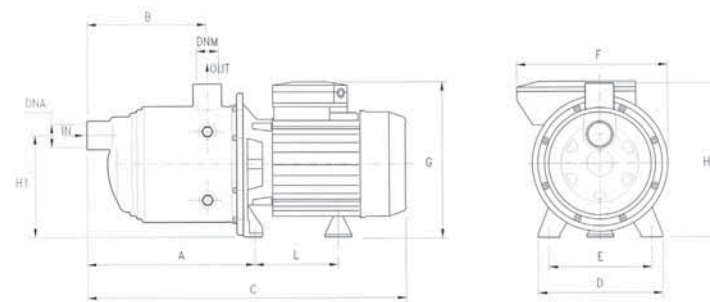


TYPE ULTRA 18S	3 x 400v
3~	CODE
U 18S-180/2T	1000-1530
U 18S-250/3T	1000-1540
U 18S-400/4T	1000-1550

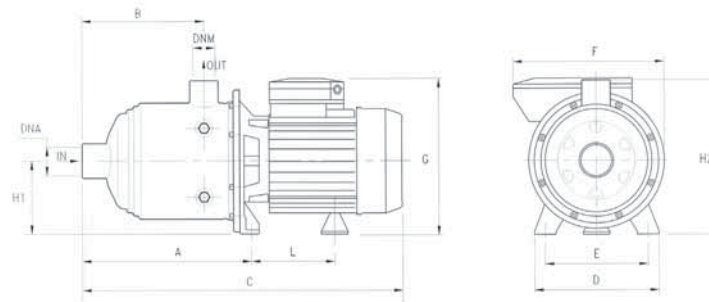


TYPE	P2		P1 (kW)	3~	Q (m³/h - l/min)																	
					H (m)																	
					3x400 V 50 Hz																	
					3~																	
U 18S-180/2T	1,8	1,3	1,59	3	23,7	21,7	21,1	20,4	20	19,3	18,5	17,7	16,9	16	15,2	14,3	13,1	11,8	10,3	9,1	7,6	6,4
U 18S-250/3T	2,5	1,85	2,29	4,4	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9	10,2
U 18S-400/4T	4	3	3,11	5,7	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28	25,1	22,1	18,1	14,9

DIMENSION

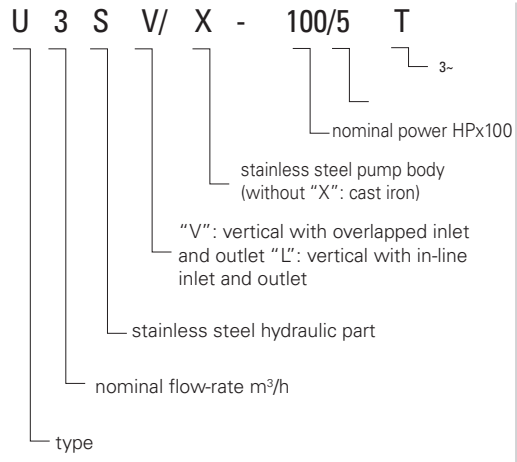


TYPE	DIMENSIONS (mm)												DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2				
U 3S-50/2	166.8	103	333	164	140	178	190	93.7	128	192	6.9	1" G	1" G	
U 3S-70/3	166.8	103	333	164	140	178	190	93.7	128	192	8.0			
U 3S-90/4	190.8	127	357	164	140	178	190	93.7	128	192	9.4			
U 3S-100/5	214.8	151	404	164	140	178	203	104.7	128	192	12.0			
U 3S-120/6	238.8	175	428	164	140	178	203	104.7	128	192	12.7			
U 3S-150/7	262.8	199	483	164	140	201	211	128.2	134	198	16.1			
U 5S-70/2	166.8	103	333	164	140	178	195	93.7	128	192	7.7			
U 5S-80/3	166.8	103	357	164	140	178	203	93.7	128	192	10.3			
U 5S-120/4	190.8	127	380	164	140	178	203	104.7	128	192	12.1			
U 5S-150/5	214.8	151	436	164	140	201	211	128.2	134	198	14.9			
U 5S-180/6	238.8	175	459	164	140	201	211	128.2	134	198	16			
U 5S-200/7	262.8	199	483	164	140	201	211	128.2	134	198	18.1			



TYPE	DIMENSIONS (mm)											DNA	DNM
	A	B	C	D	E	F	G	L	H1	H2			
U 7S-100/2	166.8	103	356	164	140	178	203	104.7	103	192	10.6	1"1/4 G	1" G
U 7S-120/3	166.8	103	356	164	140	178	203	104.7	92	192	11.6		
U 7S-180/4	190.8	127	411	164	140	201	211	128.2	98	198	15.0		
U 7S-250/5	214.8	151	436	164	140	201	211	128.2	98	198	17.3		
U 7S-300/6	238.8	175	M 503 T 459	164	140	201	M 229 T 211	M 148.2 T 128.2	M 103 T 98	M 203 T 198	20.0		
U 7S-350/7	262.8	199	527	164	140	201	229	148.2	92	203	20.7	1"1/2 G	1"1/4
U 9S-100/2	185.8	118	375	164	140	178	203	104.7	98	192	10.8		
U 9S-150/3	185.8	118	375	164	140	201	211	128.2	98	198	14.2		
U 9S-200/4	215.8	148	436	164	140	201	211	128.2	98	198	16.8		
U 9S-250/5	245.8	178	464	164	140	201	211	128.2	98	198	17.7		
U 18S-180/2T	201	141	432	164	140	201	211	128.2	98	198	14.0	2" G	1"1/2
U 18S-250/3T	238.5	141	432	164	140	201	211	128.2	98	198	15.8		
U 18S-400/4T	276	178.5	514	164	140	201	229	148.2	103	203	22.6		

-ULTRA SV/SLX



Stainless steel multistage vertical pumps. Pumping of clean non-loaded fluids, pressurizing system, irrigation, drinking and glycol water, water treatment, food industry, heating and air conditioning, and washing systems. Non self priming.

SV – cast iron top and bottom pump housings.

SLX – stainless steel top and bottom pump housings.

CONSTRUCTION FEATURES	
Pump body	cast iron (SV); stainless steel AISI 304 (SLX)
Motor bracket	cast iron
Impeller, diffuser, shaft, motor shaft	stainless steel AISI 304
Mechanical seal	ceramic-graphite ≤ 6 impellers graphite-silicon carbide ≥ 7 impellers
Intermediate shaft guiding stage bush	ceramic-tungsten carbide
Ambient temperature	max 40 °C
Liquid temperature	+5 ÷ 90 °C (SV) -15 ÷ 110 °C (SLX)
Max operating pressure	8 bar ≤ 6 impellers; 14 bar ≥ 7 impellers
Pump body gasket	EPDM
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz
	1~ 230V-50Hz with thermal protection up to 1,85 kW
Insulation class	F
Protection degree	IP44
	IP55 ≥ 4,5 HP



ULTRA SV



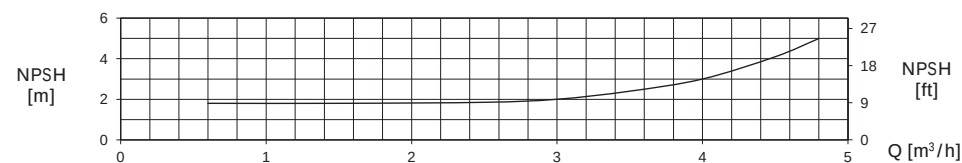
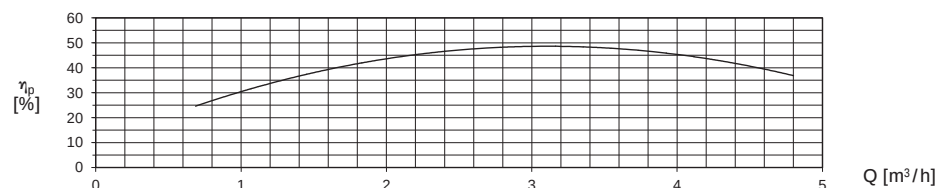
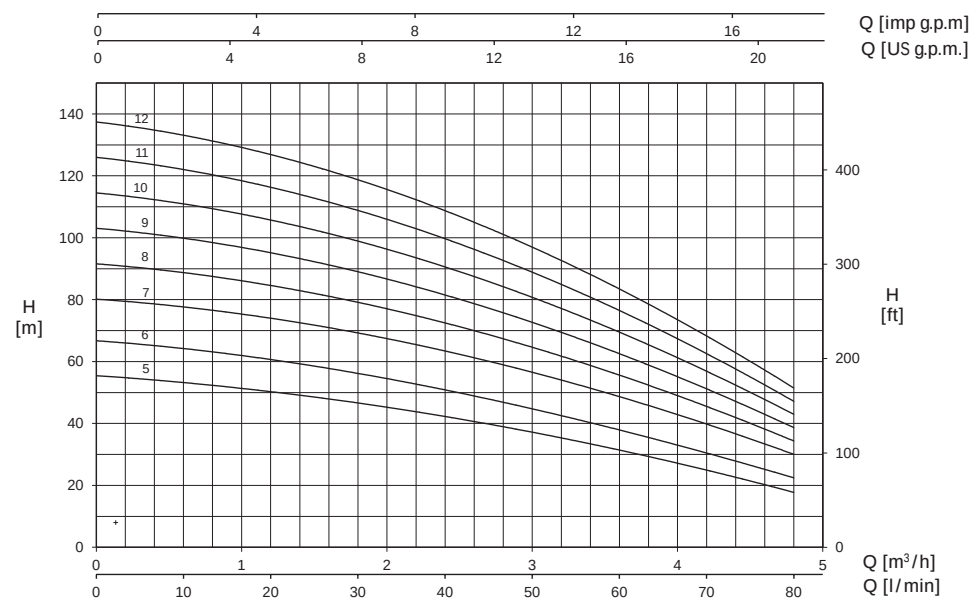
ULTRA SLX





TYPE ULTRA 3 SV		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 3SV-100/5	U 3SV-100/5T	1000-2005	1000-2010
U 3SV-120/6	U 3SV-120/6T	1000-2015	1000-2020
U 3SV-150/7	U 3SV-150/7T	1000-2025	1000-2030
U 3SV-180/8	U 3SV-180/8T	1000-2035	1000-2040
U 3SV-200/9	U 3SV-200/9T	1000-2045	1000-2050
U 3SV-250/10	U 3SV-250/10T	1000-2055	1000-2060
U 3SV-280/11	U 3SV-280/11T	1000-2065	1000-2070
U 3SV-300/12	U 3SV-300/12T	1000-2075	1000-2080

TYPE ULTRA 3 SLX		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 3SLX-100/5	U 3SLX-100/5T	1000-3005	1000-3010
U 3SLX-120/6	U 3SLX-120/6T	1000-3015	1000-3020
U 3SLX-150/7	U 3SLX-150/7T	1000-3025	1000-3030
U 3SLX-180/8	U 3SLX-180/8T	1000-3035	1000-3040
U 3SLX-200/9	U 3SLX-200/9T	1000-3045	1000-3050
U 3SLX-250/10	U 3SLX-250/10T	1000-3055	1000-3060
U 3SLX-280/11	U 3SLX-280/11T	1000-3065	1000-3070
U 3SLX-300/12	U 3SLX-300/12T	1000-3075	1000-3080



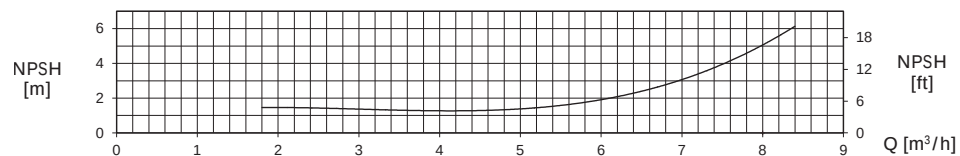
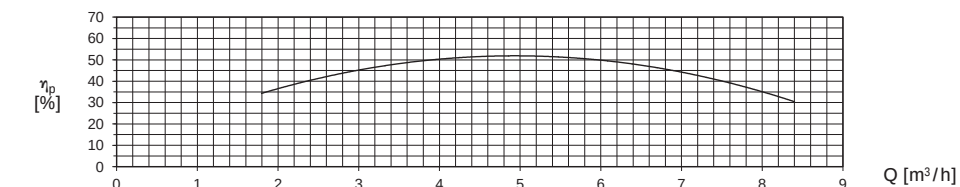
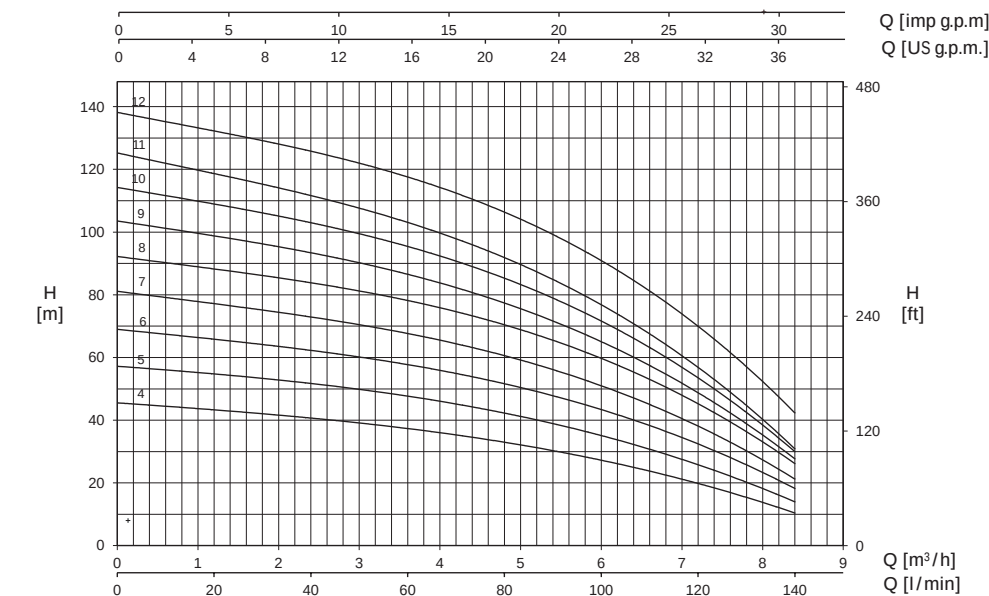
ULTRA 3... SV/SLX		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					0	0,6	1,2	1,8	2,4	3,6	4,8			
						0	10	20	30	40	60	80			
						H (m)									
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz								
U 3...-100/5	U 3...-100/5T	1	0,75	1	0,9	4,4	1,7	55,3	53,5	50,3	46,5	42,1	31,6	17,7	
U 3...-120/6	U 3...-120/6T	1,2	0,9	1,1	1,1	5,1	2,5	66,6	64,4	60,8	56,0	50,7	38,1	22,4	
U 3...-150/7	U 3...-150/7T	1,5	1,1	1,4	1,3	6,4	2,7	80,1	77,7	74,2	69,1	63,3	48,8	30,0	
U 3...-180/8	U 3...-180/8T	1,8	1,3	1,6	1,5	6,9	2,7	91,5	88,8	84,8	79,0	72,3	55,8	34,3	
U 3...-200/9	U 3...-200/9T	2	1,5	1,7	1,6	7,7	3,0	103,0	99,9	95,4	88,8	81,4	62,7	38,6	
U 3...-250/10	U 3...-250/10T	2,5	1,8	1,9	1,8	9,2	3,7	114,4	111,0	106,0	98,7	90,4	69,7	42,9	
U 3...-280/11	U 3...-280/11T	2,8	2,1	2,1	2,0	9,7	3,9	125,9	122,1	116,6	108,6	99,5	76,7	47,1	
U 3...-300/12	U 3...-300/12T	3	2,2	2,3	2,2	10,3	4,3	137,3	133,2	127,2	118,5	108,5	83,7	51,4	

ULTRA 5 SV/SLX



TYPE ULTRA 5 SV		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 5SV-120/4	U 5SV-120/4T	1000-2085	1000-2090
U 5SV-150/5	U 5SV-150/5T	1000-2095	1000-2100
U 5SV-180/6	U 5SV-180/6T	1000-2105	1000-2110
U 5SV-200/7	U 5SV-200/7T	1000-2115	1000-2120
U 5SV-250/8	U 5SV-250/8T	1000-2125	1000-2130
U 5SV-280/9	U 5SV-280/9T	1000-2135	1000-2140
U 5SV-300/10	U 5SV-300/10T	1000-2145	1000-2150
U 5SV-350/11	U 5SV-350/11T	1000-2155	1000-2160
-	U 5SV-380-12T	-	1000-2170

TYPE ULTRA 5 SLX		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 5SLX-120/4	U 5SLX-120/4T	1000-3085	1000-3090
U 5SLX-150/5	U 5SLX-150/5T	1000-3095	1000-3100
U 5SLX-180/6	U 5SLX-180/6T	1000-3105	1000-3110
U 5SLX-200/7	U 5SLX-200/7T	1000-3115	1000-3120
U 5SLX-250/8	U 5SLX-250/8T	1000-3125	1000-3130
U 5SLX-280/9	U 5SLX-280/9T	1000-3135	1000-3140
U 5SLX-300/10	U 5SLX-300/10T	1000-3145	1000-3150
U 5SLX-350/11	U 5SLX-350/11T	1000-3155	1000-3160
-	U 5SLX-380/12T	-	1000-3170



ULTRA 5... SV/SLX				P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~	1~	3~					0	1,8	2,4	3,6	4,8	6	7,2	8,4		
								0	30	40	60	80	100	120	140		
								H (m)									
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz										
U 5...-120/4	U 5...-120/4T	1,2	0,9	1,09	1,09	4,9	2,4	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4		
U 5...-150/5	U 5...-150/5T	1,5	1,1	1,39	1,31	6,5	2,7	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14,0		
U 5...-180/6	U 5...-180/6T	1,8	1,3	1,63	1,55	7,3	3	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1		
U 5...-200/7	U 5...-200/7T	2	1,5	1,94	1,77	8,7	3,3	81	75,5	73,0	67,4	60,3	51,0	38,6	21,0		
U 5...-250/8	U 5...-250/8T	2,5	1,9	2,2	2,07	10,1	4	92,1	86,5	84,0	77,8	70,1	60	45,5	26		
U 5...-280/9	U 5...-280/9T	2,8	2,1	2,45	2,27	11	4,2	103,4	96,7	93,5	86	77,1	65,6	48,7	27,6		
U 5...-300/10	U 5...-300/10T	3	2,2	2,67	2,57	11,9	4,7	114,2	106,4	102,9	95,2	85,2	72,0	53,3	30		
U 5...-350/11	U 5...-350/11T	3,5	2,6	2,85	2,76	12,9	4,9	125,1	115,7	111,8	102,6	91,6	77,1	57,1	30,7		
-	U 5...-380/12T	3,8	2,8	-	3,2	-	6,0	138,1	129,4	125,9	117,4	106	91,2	70,1	42,2		

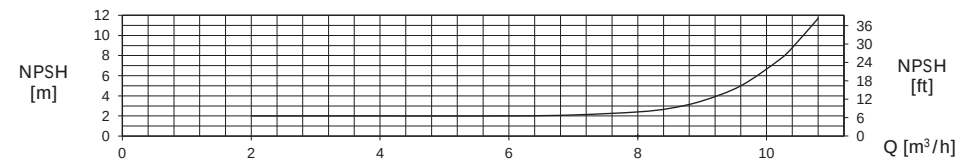
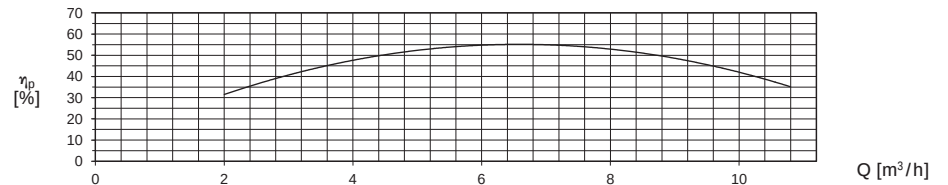
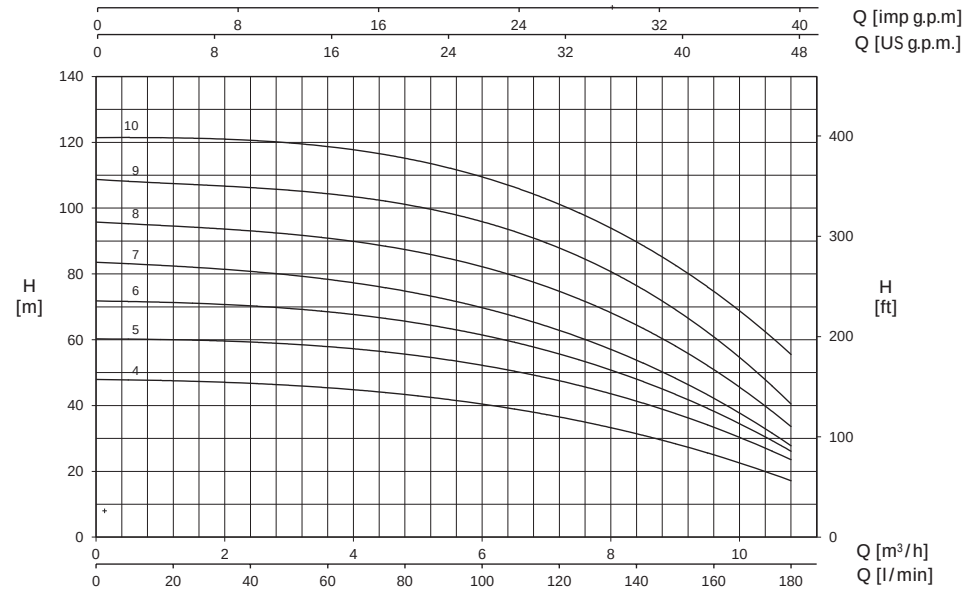
ULTRA 7 SV/SLX

MULTISTAGE



TYPE ULTRA 7SV		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 7SV-180/4	U 7SV-180/4 T	1000-2175	1000-2180
U 7SV-250/5	U 7SV-250/5 T	1000-2185	1000-2190
U 7SV-300/6	U 7SV-300/6 T	1000-2195	1000-2200
-	U 7SV-350/7 T	-	1000-2210
-	U 7SV-400/8 T	-	1000-2220
-	U 7SV-450/9 T	-	1000-2230
-	U 7SV-550/10 T	-	1000-2240

TYPE ULTRA 7 SLX		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 7SLX-180/4	U 7SLX-180/4 T	1000-3175	1000-3180
U 7SLX-250/5	U 7SLX-250/5 T	1000-3185	1000-3190
U 7SLX-300/6	U 7SLX-300/6 T	1000-3195	1000-3200
-	U 7SLX-350/7 T	-	1000-3210
-	U 7SLX-400/8 T	-	1000-3220
-	U 7SLX-450/9 T	-	1000-3230
-	U 7SLX-550/10 T	-	1000-3240



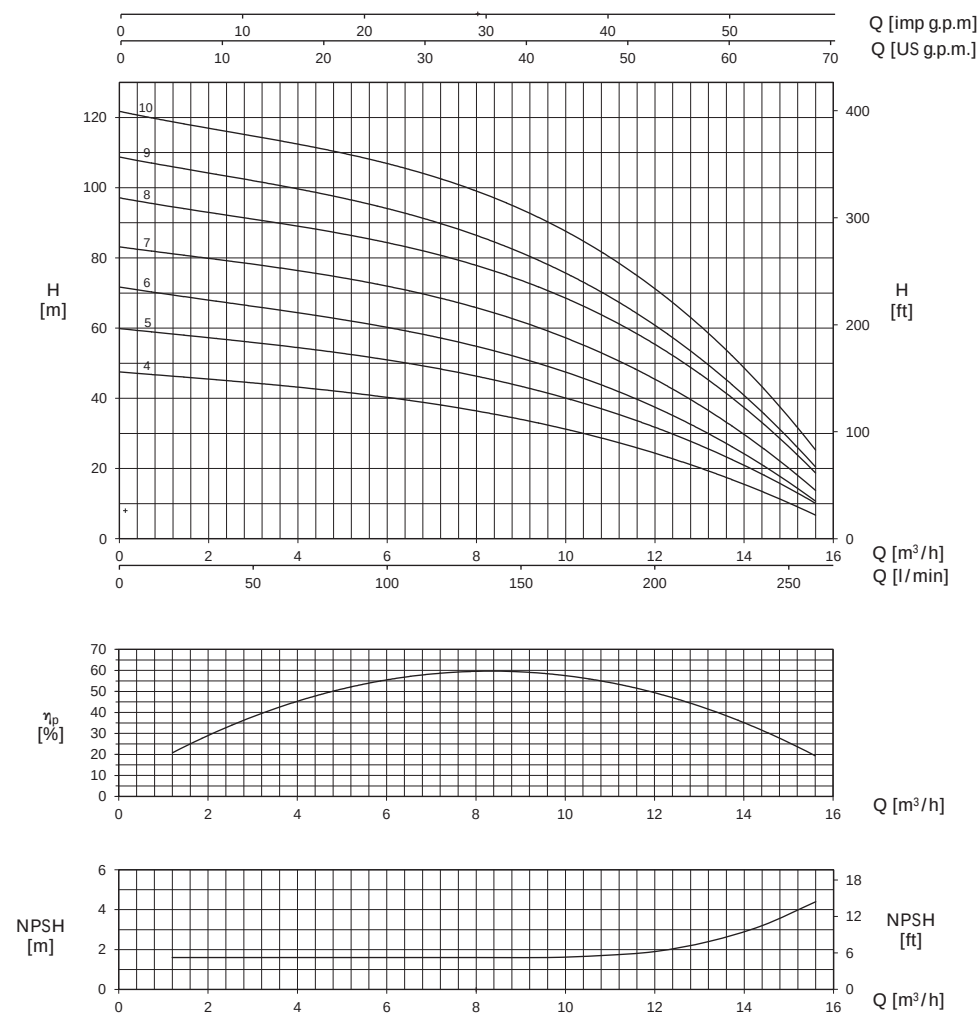
ULTRA 7... SV/SLX		P2		P1		AMPERE		Q (m³/h - l/min)									
1~	3~	(HP)	(kW)	1~	3~	1~	3~	0	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	
								0	40	60	80	100	120	140	160	180	
								H (m)									
U 7...-180/4	U 7...-180/4 T	1,8	1,3	1,69	1,62	7,7	3,1	48,0	46,3	45,7	43,6	40,4	36,4	31,4	25,0	17,2	
U 7...-250/5	U 7...-250/5 T	2,5	1,9	2,19	2,05	10,2	4,1	60,3	59,0	58,2	55,7	52,2	47,4	41,3	33,5	23,5	
U 7...-300/6	U 7...-300/6 T	3	2,2	2,53	2,44	11,4	4,8	71,8	70,0	68,9	65,7	61,3	55,4	48,1	38,5	26,0	
-	U 7...-350/7 T	3,5	2,6	-	2,84	-	5,1	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5	
-	U 7...-400/8 T	4	3	-	3,3	-	6	95,6	93,3	91,4	87,2	81,6	74,2	64,8	51,9	33,0	
-	U 7...-450/9 T	4,5	3,4	-	3,81	-	6,5	108,5	106,5	105,1	101,0	95,0	87,2	76,6	62,6	39,5	
-	U 7...-550/10 T	5,5	4	-	4,32	-	7,9	121,5	120,1	119,3	115,3	109,2	100,8	89,8	75,0	55,4	

-9 SV/SLX



TYPE ULTRA 9 SV		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 9SV-200/4	U 9SV-200/4T	1000-2245	1000-2250
U 9SV-250/5	U 9SV-250/5T	1000-2255	1000-2260
U 9SV-300/6	U 9SV-300/6T	1000-2265	1000-2270
-	U 9SV-400/7T	-	1000-2280
-	U 9SV-450/8T	-	1000-2290
-	U 9SV-500/9T	-	1000-2300
-	U 9SV-550/10T	-	1000-2310

TYPE ULTRA 9 SLX		1 x 230v	3 x 400v
1~	3~	CODE	CODE
U 9SLX-200/4	U 9SLX-200/4T	1000-3245	1000-3250
U 9SLX-250/5	U 9SLX-250/5T	1000-3255	1000-3260
U 9SLX-300/6	U 9SLX-300/6T	1000-3265	1000-3270
-	U 9SLX-400/7T	-	1000-3280
-	U 9SLX-450/8T	-	1000-3290
-	U 9SLX-500/9T	-	1000-3300
-	U 9SLX-550/10T	-	1000-3310



ULTRA 9... SV/SLX		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)													
1~	3~	(HP)	(kW)	1~	3~	1~	3~	H (m)													
								H (m)													
								0	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2	14,4	15,6		
								0	60	80	100	120	140	160	180	200	220	240	260		
U 9...-200/4	U 9...-200/4T	2	1,5	1,88	1,77	8,4	3,3	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19,0	13,1	7,1		
U 9...-250/5	U 9...-250/5T	2,5	1,87	2,36	2,23	10,8	4,3	60	54,8	53,0	51	48,2	45,4	42	37,3	31,6	25	18,0	10,6		
U 9...-300/6	U 9...-300/6T	3	2,2	2,78	2,58	12,5	4,9	71,8	64,9	63,0	59,9	57,0	53,7	49,7	44,3	37,0	29,5	20,8	11,1		
-	U 9...-400/7T	4	3	-	3,13	-	5,8	83,3	76,7	74,9	71,8	68,3	64,6	59,9	53,5	44,8	35,9	25,7	14,3		
-	U 9...-450/8T	4,5	3,37	-	3,72	-	6,4	97,3	89,5	87,3	84	80,5	76,5	71,6	64,8	54,9	44,0	32,4	19,7		
-	U 9...-500/9T	5	3,7	-	4,11	-	7	109,0	100,0	97,6	93,6	89,5	85,0	79,4	71,6	60,1	48,0	34,9	21,9		
-	U 9...-550/10T	5,5	4,0	-	4,58	-	8,3	122,0	112,8	110,5	106,5	102,2	97,3	91,6	82,8	70,7	57,1	42,3	26,5		

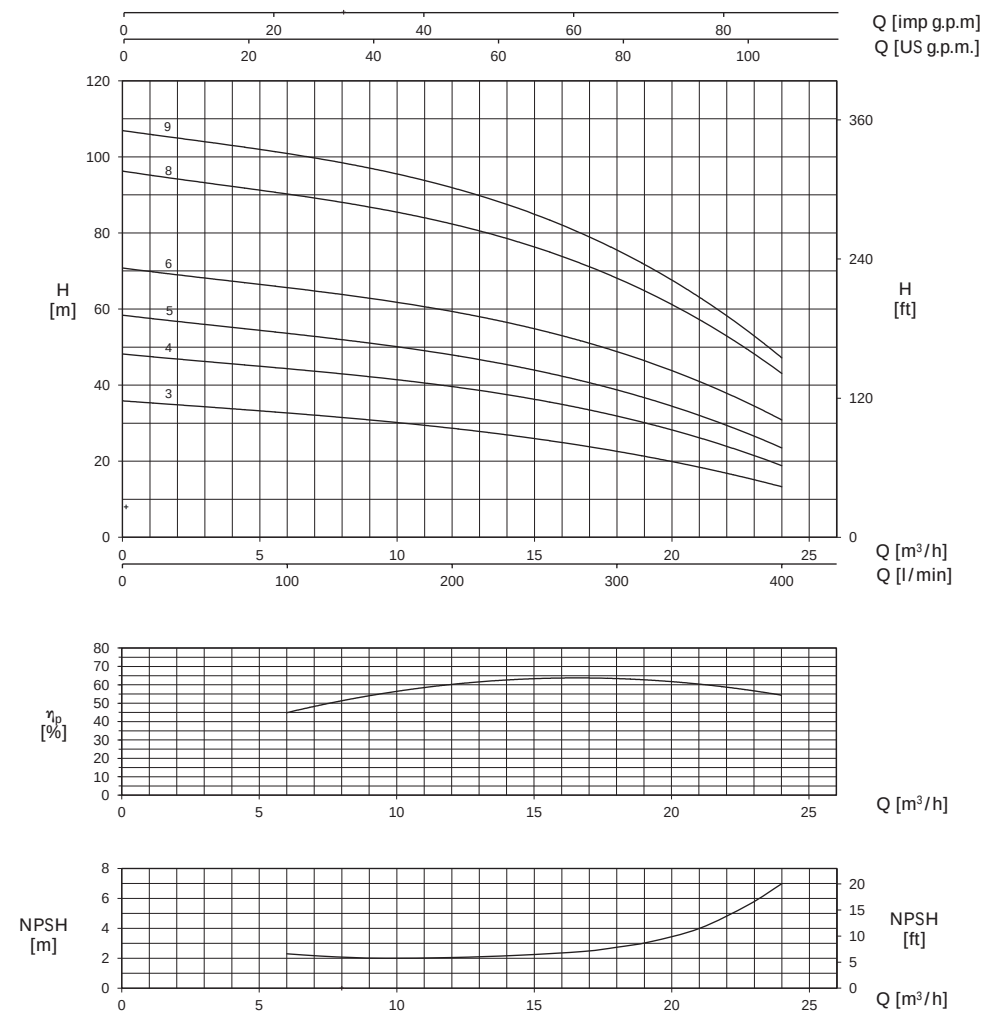
ULTRA 18 SV/SLX

MULTISTAGE



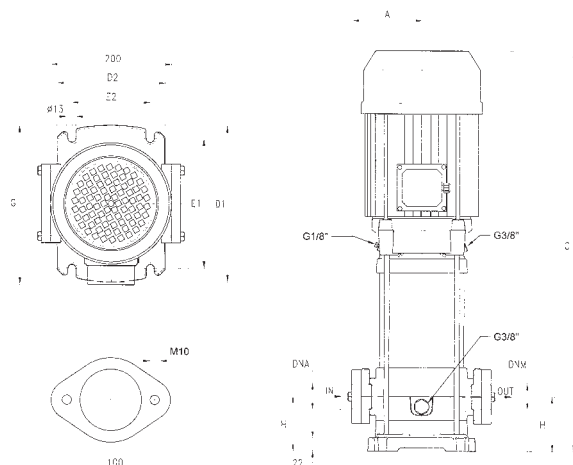
TYPE ULTRA 18 SV	3 x 400v
3~	CODE
U 18SV-250/3T	1000-2320
U 18SV-400/4T	1000-2330
U 18SV-450/5T	1000-2340
U 18SV-550/6T	1000-2350
U 18SV-750/8T	1000-2360
U 18SV-900/9T	1000-2370

TYPE ULTRA 18 SLX	3 x 400v
3~	CODE
U 18SLX-250/3T	1000-3320
U 18SLX-400/4T	1000-3330
U 18SLX-450/5T	1000-3340
U 18SLX-550/6T	1000-3350
U 18SLX-750/8T	1000-3360
U 18SLX-900/9T	1000-3370



ULTRA 18... SV/SLX	P2		P1 (kW)	A 3~ 3x400 V 50 Hz	Q (m³/h - l/min)																	
					0	6	7,2	8,4	9,6	10,8	12	13,2	14,4	15,6	16,8	18	19,2	20,4	21,6	22,8	24	
					0	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	
					H (m)																	
(HP)	(kW)	3~																				
U 18...-250/3T	2,5	1,85	2,29	4,4	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9	
U 18...-400/4T	4	3	3,11	5,7	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28,0	25,1	22,1	18,1	
U 18...-450/5T	4,5	3,31	3,79	6,7	58,1	54,3	53,1	51,8	50,4	49,0	47,4	45,9	44,3	42,7	41,0	39,2	37,0	34,0	30,8	26,9	23,0	
U 18...-550/6T	5,5	4	4,63	8,7	70,5	66,4	65,0	63,6	62,0	60,5	58,9	57,2	55,4	53,5	51,5	49,3	46,3	43,3	39,4	34,9	30,4	
U 18...-750/8T	7,5	5,5	6,15	10,9	95,9	90,9	89,58	88,0	86,1	83,9	81,6	79,5	76,8	74,4	71,8	68,5	65,0	60,4	55,2	49,0	42,2	
U 18...-900/9T	9	6,6	7	12,7	106,4	101,8	100,4	98,6	96,1	93,5	91,0	88,2	85,5	82,7	79,7	76,2	72,1	66,9	60,8	53,7	46,1	

ULTRA 3 SLX	DIMENSIONS [mm]									DNA	DNM
	A	C	D1	D2	E1	E2	G	H			
	SLX										
U 3 SLX-100/5	98	429	220	150	180	100	228	50	18,8	1"1/4G	1"1/4G
U 3 SLX-120/6	98	453	220	150	180	100	228	50	19,5		
U 3 SLX-150/7	98	507	220	150	180	100	228	50	23,1		
U 3 SLX-180/8	98	531	220	150	180	100	228	50	24,3		
U 3 SLX-200/9	98	555	220	150	180	100	228	50	26,5		
U 3 SLX-250/10	98	579	220	150	180	100	228	50	27,4		
U 3 SLX-280/11	98	M 648 T 603	220	150	180	100	M 236 T 228	50	29		
U 3 SLX-300/12	98	M 672 T 627	220	150	180	100	M 236 T 228	50	30,3		
ULTRA 5 SLX											
U 5 SLX-120/4	98	405	220	150	180	100	221	50	21,5	1"1/4G	1"1/4G
U 5 SLX-150/5	98	459	220	150	180	100	228	50	22,2		
U 5 SLX-180/6	98	483	220	150	180	100	228	50	23,4		
U 5 SLX-200/7	98	507	220	150	180	100	228	50	25,5		
U 5 SLX-250/8	98	531	220	150	180	100	228	50	26,4		
U 5 SLX-280/9	98	M 600 T 555	220	150	180	100	M 236 T 228	50	29,2		
U 5 SLX-300/10	98	M 624 T 579	220	150	180	100	M 236 T 228	50	29,9		
U 5 SLX-350/11	98	648	220	150	180	100	236	50	33,2		
U 5 SLX-380/12	98	672	220	150	180	100	236	50	33,9		
ULTRA 7 SLX											
U 7 SLX-180/4	98	435	220	150	180	100	228	50	22,3	1"1/4G	1"1/4G
U 7 SLX-250/5	98	459	220	150	180	100	228	50	24,6		
U 7 SLX-300/6	98	M 528 T 483	220	150	180	100	M 236 T 228	50	27,5		
U 7 SLX-350/7	98	552	220	150	180	100	236	50	28,3		
U 7 SLX-400/8	98	576	220	150	180	100	236	50	31,5		
U 7 SLX-450/9	98	633	220	150	180	100	251	50	36,1		
U 7 SLX-550/10	98	657	220	150	180	100	251	50	39,5		

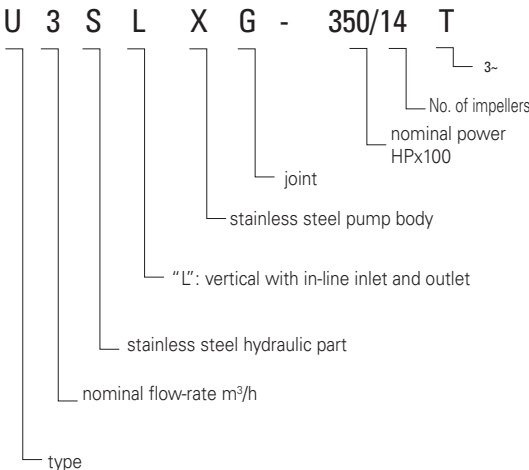


ULTRA 9 SLX	DIMENSIONS (mm)								Kg	DNA	DNM
	A	C	D1	D2	E1	E2	G	H			
U 9 SLX -200/4	118	490	260	180	215	130	248	80	28,1	1"1/2G	1"1/2G
U 9 SLX -250/5	118	520	260	180	215	130	248	80	29		
U 9 SLX -300/6	118	M 595 T 550	260	180	215	130	M 256 T 248	80	32		
U 9 SLX -400/7	118	625	260	180	215	130	256	80	35,5		
U 9 SLX -450/8	118	688	260	180	215	130	271	80	39,5		
U 9 SLX -500/9	118	718	260	180	215	130	271	80	40,3		
U 9 SLX -550/10	118	748	260	180	215	130	271	80	43,7		

ULTRA 18 SLX	DIMENSIONS (mm)								Kg	DNA	DNM
	A	C	D1	D2	E1	E2	G	H			
U 18 SLX-250/3 T	118	452	260	180	215	130	251	90	31,6	2"G	2"G
U 18 SLX-400/4 T	118	575	260	180	215	130	257	90	34,2		
U 18 SLX-450/5 T	118	646	260	180	215	130	271	90	38,5		
U 18 SLX-550/6 T	118	683	260	180	215	130	271	90	42,5		
U 18 SLX-750/8 T	118	804	260	180	215	130	280	90	52,4		
U 18 SLX-900/9 T	118	842	260	180	215	130	280	90	52,7		



-ULTRA SLXG-



Stainless steel multistage vertical pumps. Pumping of clean non-loaded fluids, pressurizing system, irrigation, drinking and glycol water, water treatment, food industry, heating and air conditioning, and washing system. Non self priming.

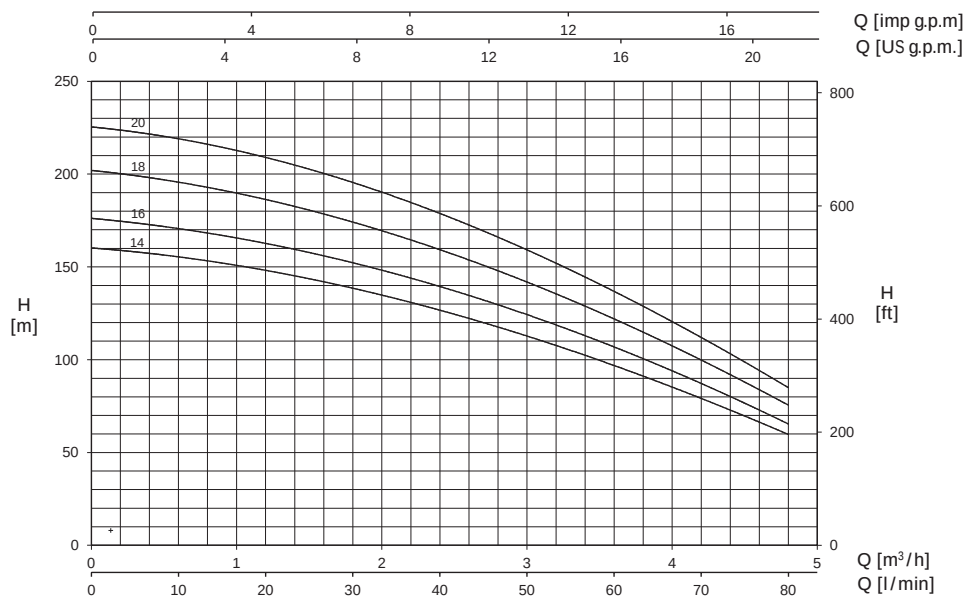
CONSTRUCTION FEATURES	
Pump body	stainless steel AISI 304 (SLXG)
Motor bracket	cast iron
Impeller, diffuser, shall, motor shaft	stainless steel AISI 304
Mechanical seal	ceramic-graphite ≤ 6 impellers graphite-silicon carbide ≥ 7 impellers
Intermediate shaft guiding stage bush	ceramic-tungsten carbide
Ambient temperature	max 40 °C
Liquid temperature	-15 ÷ +110 °C
Max operating pressure	max 25 bar max 14 bar (U18)
Pump body gasket	EPDM
MOTOR	
2 pole induction motor	3~ 230/400V-50Hz 1~ 230V-50Hz IE2 efficiency class or Pentax standard
Insulation class	F
Protection degree	IP55



ULTRA 3-5-7 SLXG



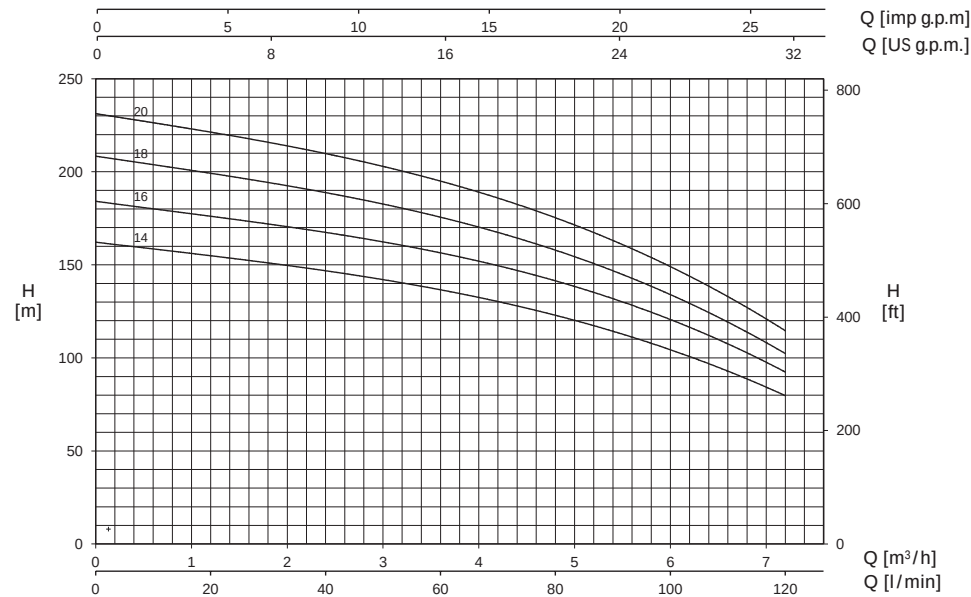
-3 SLXG



TYPE ULTRA 3 SLXG	3 x 400v
3~	CODE
U 3SLXG-350/14T	1000-3500
U 3SLXG-380/16T	1000-3510
U 3SLXG-400/18T	1000-3520
U 3SLXG-450/20T	1000-3530

ULTRA 3... SLXG	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)								
				3~	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8
					0	10	20	30	40	50	60	70	80
	3~	(HP)	(kW)	3~	3x400 V 50 Hz	H (m)							
U 3...-350/14T	3,5	2,6	2,5	4,5	160,2	155,4	148,4	138,2	126,6	112,8	97,6	78,3	60,0
U 3...-380/16T	3,8	2,8	2,9	5,5	176,3	170,2	162,9	152,8	139,0	124,0	107,0	87,5	65,2
U 3...-400/18T	4	3	3,3	6	201,8	196	186,4	174	159,0	142,0	122,0	100,0	75,4
U 3...-450/20T	4,5	3,3	3,7	6,4	225,3	219,2	209,2	195,1	179,0	159,0	137,0	112,0	84,9

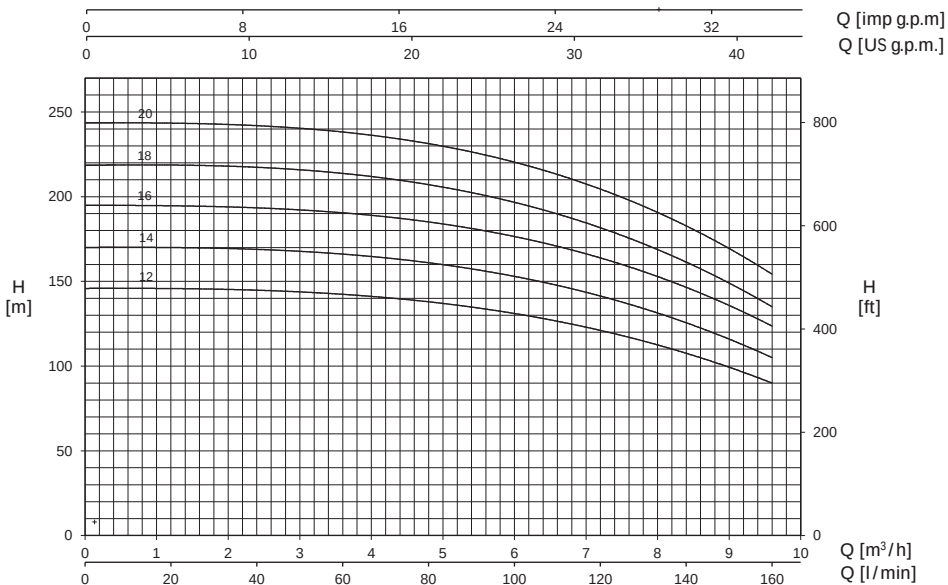
-ULTRA 5 SLXG



TYPE ULTRA 5 SLXG	3 x 400v
3~	CODE
U 5SLXG-400/14T	1000-3540
U 5SLXG-450/16T	1000-3550
U 5SLXG-550/18T	1000-3560
U 5SLXG-600/20T	1000-3570

ULTRA 5... SLXG	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)						
3~				0	1,8	2,4	3,6	4,8	6	7,2	
				0	30	40	60	80	100	120	
				H (m)							
	(HP)	(kW)	3~	3x400 V 50 Hz							
U 5...-400/14T	4	3	3,5	6,3	162,1	151,2	147,0	136,1	123,0	104,6	79,6
U 5...-450/16T	4,5	3,3	4,2	7,2	184,0	172,5	167,5	155,7	141,3	121,3	92,1
U 5...-550/18T	5,5	4	4,4	7,7	208,3	194,4	189,2	175,0	157,7	134,6	102,1
U 5...-600/20T	6	4,4	5,2	9,2	231,1	216,2	210,0	194,4	175,0	149,8	114,3

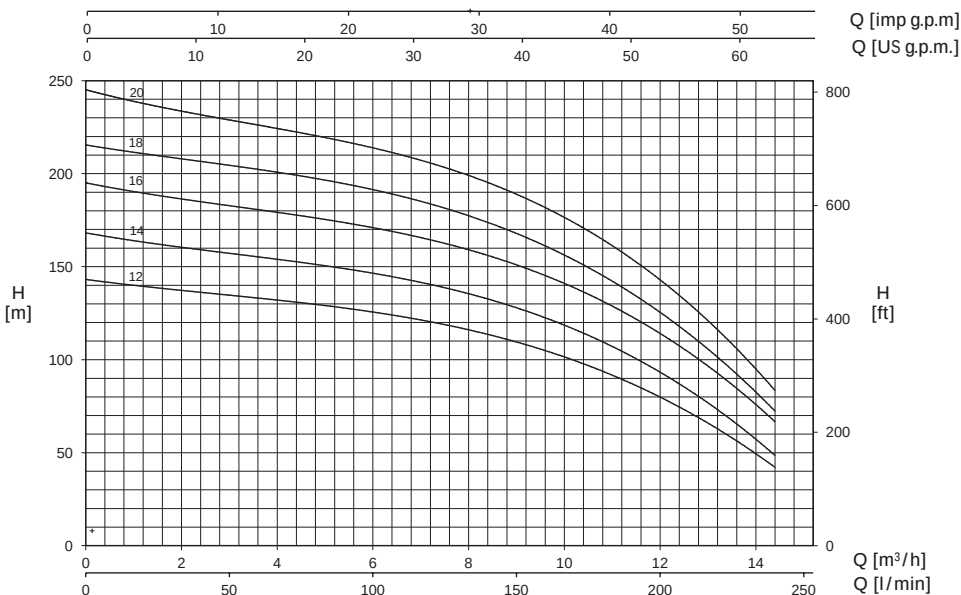
ULTRA 7 SLXG



TYPE ULTRA 7 SLXG	3 x 400v
3~	CODE
U 7SLXG-750/12 T	1000-3580
U 7SLXG-800/14 T	1000-3590
U 7SLXG-900/16 T	1000-3600
U 7SLXG-950/18 T	1000-3610
U 7SLXG-1000/20 T	1000-3620

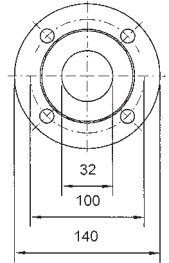
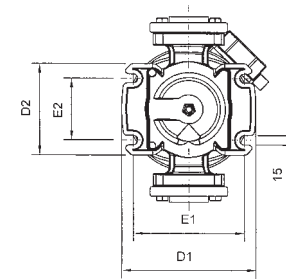
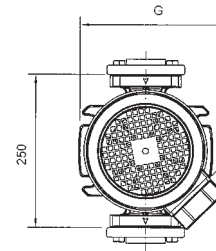
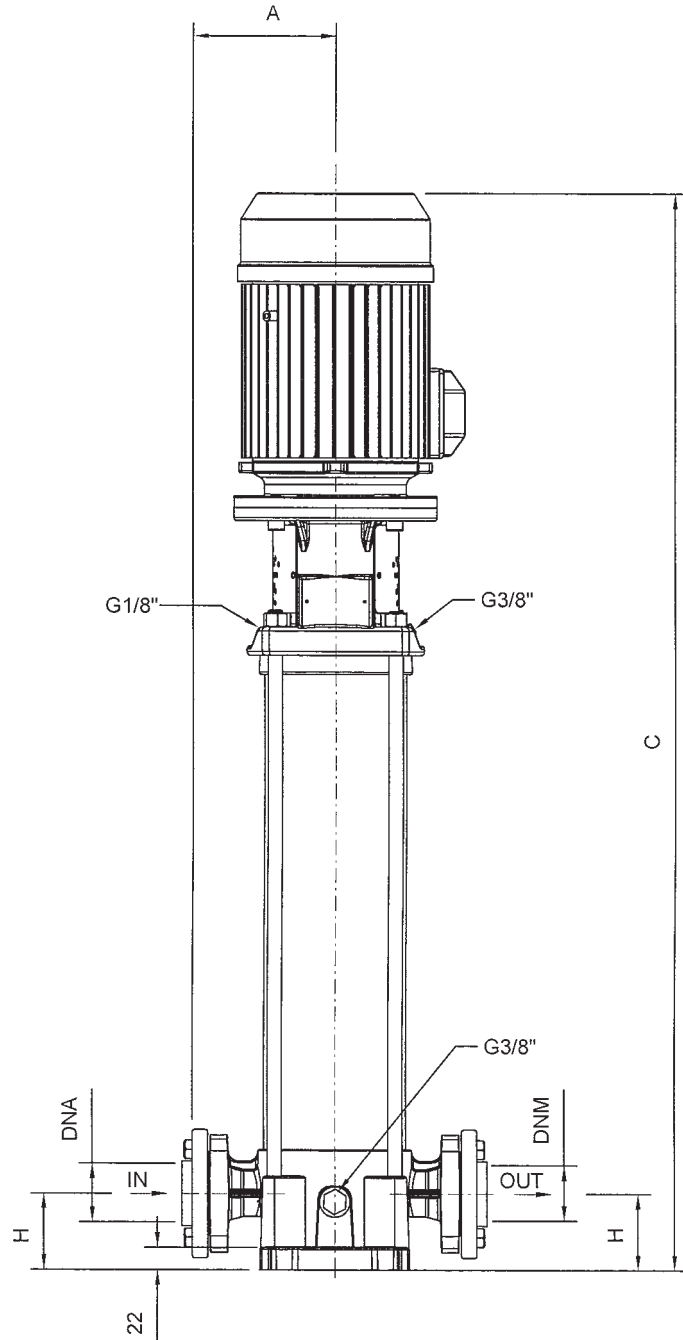
ULTRA 7... SLXG	P2		P1 (kW)	AMPERE 3~	Q (m³/h - l/min)							
					0	2,4	3,6	4,8	6	7,2	8,4	9,6
					0	40	60	80	100	120	140	160
	(HP)	(kW)	3~	3x400 V 50 Hz	H (m)							
U 7...-750/12 T	7,5	5,5	5,2	9,2	145,9	144,5	142,6	138,2	130,9	121,0	107,6	90,0
U 7...-800/14 T	8	5,9	6,1	10,7	170,1	168,5	166,5	161,2	152,8	141,2	125,7	105,0
U 7...-900/16 T	9	6,6	6,9	12,2	195,1	192,7	190,6	186,0	176,5	163,3	146,4	123,8
U 7...-950/18 T	9,5	7,0	7,8	13,7	218,6	216,9	214,0	207,6	196,5	181,3	161,6	135,0
U 7...-1000/20 T	10	7,4	8,9	15,6	243,8	240,9	238,6	232,4	220,0	204,2	182,5	154,5

9 SLXG



TYPE ULTRA 9 SLXG	3 x 400v
3~	CODE
U 9SLXG-750/12 T	1000-3630
U 9SLXG-800/14 T	1000-3640
U 9SLXG-900/16 T	1000-3650
U 9SLXG-950/18 T	1000-3660
U 9SLXG-1000/20 T	1000-3670

ULTRA 9... SLXG	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)											
3~				0	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2	14,4		
				0	60	80	100	120	140	160	180	200	220	240		
				3x400 V 50 Hz	H (m)											
(HP)	(kW)	3~														
U 9...-750/12 T	7	5,2	5,4	9,8	143,2	133,4	129,4	125,0	120,5	114,2	105,4	93,9	79,5	61,9	42,8	
U 9...-800/14 T	7,5	5,5	6,2	10,8	168,2	155,6	151,1	146,0	140,1	133,0	123,2	110,0	93,2	71,6	49,4	
U 9...-900/16 T	9	6,6	7	12,3	195,1	180,9	176,3	170,4	163,6	156,4	146,7	132,1	113,0	91,5	67,6	
U 9...-950/18 T	9,5	7,0	8,4	14,9	215,6	202,1	197,0	191,3	183,9	175,0	161,7	144,1	125,3	100,9	72,9	
U 9...-1000/20 T	10	7,4	9,3	16	245,0	227,2	220,3	213,1	204,4	195,3	183,3	166,4	141,4	114,7	84,4	



U 3SLXG	DIMENSIONS (mm)										DNA	DNM
	A	C	D1	D2	E1	E2	G	H	Std.	IE2		
U 3SLXG-350/14T	155	889	260	180	215	130	236	75	52	57	1" 1/4G	1" 1/4G
U 3SLXG-380/16T	155	937	260	180	215	130	236	75	57	65		
U 3SLXG-400/18T	155	985	260	180	215	130	236	75	59	67		
U 3SLXG-450/20T	155	1060	260	180	215	130	251	75	64	68		
U 5SLXG												
U 5SLXG -400/14T	155	916	260	180	215	130	251	75	55	60	1" 1/4G	1" 1/4G
U 5SLXG -450/16T	155	964	260	180	215	130	251	75	60	64		
U 5SLXG -550/18T	155	1012	260	180	215	130	251	75	66	74		
U 5SLXG -600/20T	155	1092	260	180	215	130	260	75	67	75		
U 7SLXG												
U 7SLXG -750/12T	155	900	260	180	215	130	260	75	70	81	1" 1/4G	1" 1/4G
U 7SLXG -800/14T	155	948	260	180	215	130	260	75	71	82		
U 7SLXG -900/16T	155	996	260	180	215	130	260	75	74	82		
U 7SLXG -950/18T	155	1081	260	180	215	130	288	75	84	92		
U 7SLXG -1000/20T	155	1129	260	180	215	130	288	75	85	93		

U 9 SLXG	DIMENSIONS (mm)								Kg				DNA	DNM
	A	C	D1	D2	E1	E2	G	H	SLG	SLG IE2	SLXG	SLXG IE2		
U 9...-750/12T	170	987	260	180	215	130	280	80	71	82	73	84	1"1/2G	1"1/2G
U 9...-800/14T	170	1047	260	180	215	130	280	80	73	84	75	86		
U 9...-900/16T	170	1107	260	180	215	130	280	80	77	85	78	86		
U 9...-950/18T	170	1204	260	180	215	130	308	80	86	94	87	95		
U 9...-1000/20T	170	1264	260	180	215	130	308	80	87	95	69	97		

-ACCESSORIES-



SUPERDOMUS — — HIDROMATIC H1 +



CAM 100-24L



CAB 150-50L



INOX 100-24 L

Automatic working pressure systems built with centrifugal or self-priming electropumps. Each set, ready for the installation, is made by an electropump, a pre-rated and adjustable pressure switch, pressure gauge, connector (and eventually a flexible hose with s.s. sheath), membrane tank and power cable. The set specification and performances are related to the adapted electropump, tank capacity and pressure switch rating.

TYPE SUPERDOMUS c/w 24 Litre Mild Steel Tank	CODE
CAM 100 230v	1000-6010
INOX 80 230v	1000-6020
INOX 100 230v	1000-6030
TYPE SUPERDOMUS c/w 24 Litre Stainless Steel Tank	CODE
INOX 80 230v	1000-6040
INOX 100 230v	1000-6050
INOX 80 110v	022-302
TYPE SUPERDOMUS c/w 50 Litre Mild Steel Tank	CODE
CAB 150 230v	1000-6080
CAB 200 230v	1000-6090



HIDROMATIC H1



INOX H1



CAM 100 H1

Automatic working pressure systems build up with centrifugal self priming pumps. Each set ready for installation is made by a pump and a hidromatic controller which is a complete replacement of the traditional water system set consisting of a pressure switch and tank. The control of the pump is started after a pressure decrease (taps opening) and stopping when the water flow is interrupted at the maximum pressure level of the pump (taps closing). Protection against dry running.

TYPE HIDROMATIC H1+	CODE
CAM 100 H1 230v	1000-6100
INOX 80 H1 230v	1000-6120
INOX 100 H1 230v	1000-6130

-ULTRA BOOSTER SET-



Line of automatic booster set with 2 pumps (2 ULTRA) or 3 pumps (3 ULTRA) controlled by pressureswitches.

COMPOSITION OF PRESSURIZATION UNITS

- Horizontal or vertical monobloc electric pumps.
- Stainless steel suction and delivery manifolds, threaded with coupling sleeves for membrane vessels on delivery side.
- Unit base and support for control panel in galvanized steel.

- One check valve for each electric pump, installed on suction side.
- Ball valves with pipe union installed on suction side and delivery side of each electric pump.
- One pipe stub for each electric pump, installed on suction side, with threaded hole for connection to air supply.
- Rubber vibration dampers with metal core.
- Pressure gauge with radial connection.
- Control panel.
- Preset pressure switches installed on delivery manifold and directly connected to control panel.

- On request: membrane surge tanks, shut-off valves.

COMPOSITION OF CONTROL PANEL

- ABS plastic casing, protection rating IP 55, complete with tear-resistant cable glands.
- General circuit-breaker for accident-prevention, with door locking device.
- Power supply from mains: 1 x 230V single-phase, 3 x 400V three-phase.
- Very low voltage input for pressure switch control (bounce-free) and low-level float.



- Pump protection fuses.
- Auxiliary protection fuses.
- Pump operating switches (Automatic/Off/Manual; manual operation only momentary).
- Green LEDs indicating power on, automatic operation, pumps running.
- Red warning LEDs for low/high water level, pump overload protection.
- Adjustable electronic protection for pump overload.
- Protection reset buttons.
- In-built pump switching circuit.
- Internal selector to bypass pump switching.

- Pump cut-off in case of pump malfunction.
- Output for alarms with change-over contact.
- Flame retardant cables for connecting pumps and pressure switches.
- Wiring/operation diagram.

FUNCTIONS OF PUMP SWITCHING CIRCUIT

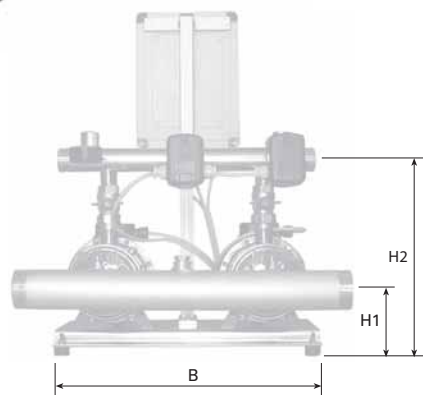
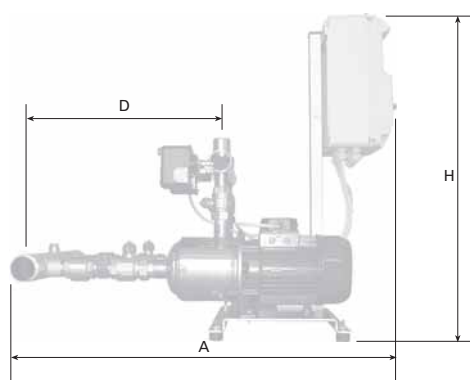
- Reverses the pump starting order every time the pressure switches are turned off, thereby ensuring equal operation of pumps.
- Prevents the pumps from starting at the same time, which would

cause unnecessarily high starting currents (otherwise, when the power mains is restored after interruptions caused by works on the grid, storms or manual cut-offs, the pumps would start working at the same time, with maximum power demand).

- Prevents (through delays) the pumps from being affected by pressure switch bounces caused by pressure peaks, water hammers or problems in the plant, such as damaged membranes in the surge tanks or lack of air in tanks with air supply.

2 ULTRA BOOSTER SET NORYL IMPELLERS & DIFFUSERS

2 Ultra Twin booster sets using the Ultra range of pump with Noryl impellers and diffusers, complete with stainless steel manifolds. Dimensions and performances are the same as the 2 Ultra S booster sets on the following pages.



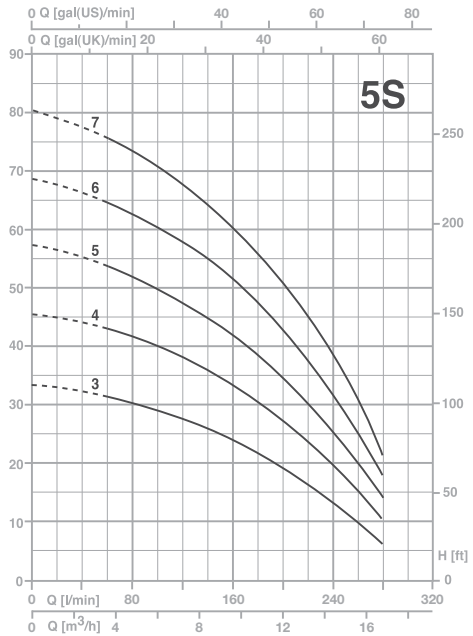
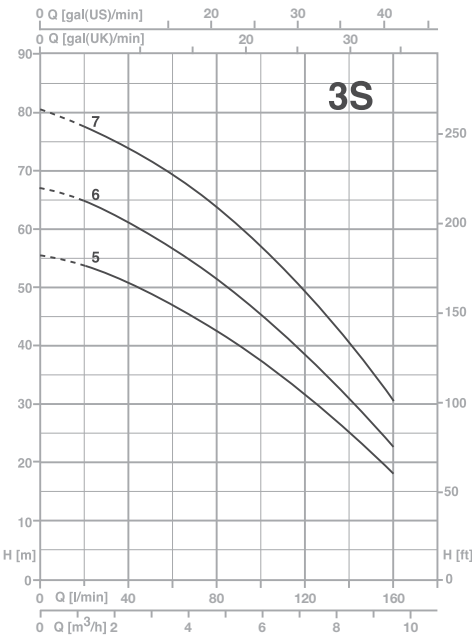
TYPE 2 ULTRA BOOSTER SET		1 x 230v	1 x 400v
1~	3~	CODE	CODE
2 U 3-100/5	2 U 3-100/5 T	1000-4205	1000-4210
2 U 3-120/6	2 U 3-120/6 T	1000-4215	1000-4220
2 U 3-150/7	2 U 3-150/7 T	1000-4225	1000-4230
2 U 5-80/3	2 U 5-80/3 T	1000-4235	1000-4240
2 U 5-120/4	2 U 5-120/4 T	1000-4245	1000-4250
2 U 5-150/5	2 U 5-150/5 T	1000-4255	1000-4260
2 U 5-180/6	2 U 5-180/6 T	1000-4265	1000-4270
2 U 5-200/7	2 U 5-200/7 T	1000-4275	1000-4280
2 U 7-120/3	2 U 7-120/3 T	1000-4285	1000-4290
2 U 7-180/4	2 U 7-180/4 T	1000-4295	1000-4300
-	2 U 7-250/5 T	-	1000-4310
-	2 U 7-300/6 T	-	1000-4320
-	2 U 7-350/7 T	-	1000-4330
2 U 9-150/3	2 U 9-150/3 T	1000-4335	1000-4340
2 U 9-200/4	2 U 9-200/4 T	1000-4345	1000-4350
-	2 U 9-250/5 T	-	1000-4360
-	2 U 18-250/3 T	-	1000-4370
-	2 U 18-400/4 T	-	1000-4380

-2 ULTRA S BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



USING WRAS APPROVED PUMPS

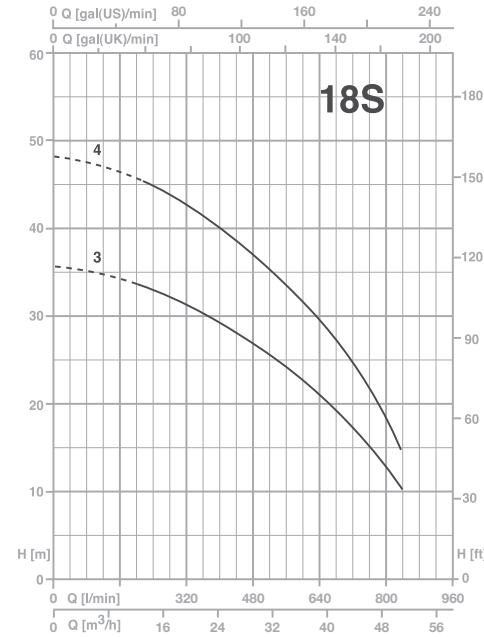
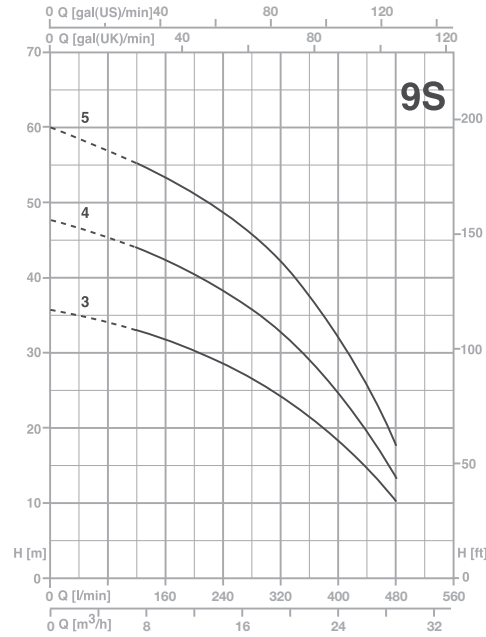
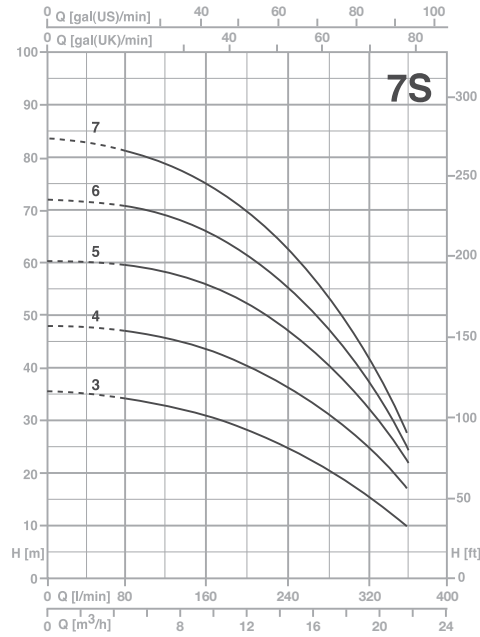
TYPE	DIMENSIONS (mm)								
	A	B	H	D	H1	H2	DNA	DNM	
2 U 3S-100/5	884	520	738	423	178	376	2" G	1"1/2 G	45
2 U 3S-120/6	908	520	738	447	178	376	2" G	1"1/2 G	47
2 U 3S-150/7	932	520	738	471	184	382	2" G	1"1/2 G	52
2 U 5S-80/3	836	520	738	375	178	376	2" G	1"1/2 G	41
2 U 5S-120/4	860	520	738	399	178	376	2" G	1"1/2 G	45
2 U 5S-150/5	884	520	738	423	184	382	2" G	1"1/2 G	50
2 U 5S-180/6	908	520	738	447	184	382	2" G	1"1/2 G	54
2 U 5S-200/7	932	520	738	471	184	382	2" G	1"1/2 G	57
2 U 7S-120/3	1010	520	738	541	142	434	2"1/2 G	2" G	55
2 U 7S-180/4	1034	520	738	565	148	440	2"1/2 G	2" G	59
2 U 7S-250/5T	1058	520	738	589	148	440	2"1/2 G	2" G	64
2 U 7S-300/6T	1082	520	738	613	148	440	2"1/2 G	2" G	68
2 U 7S-350/7T	1106	520	738	637	153	445	2"1/2 G	2" G	72
2 U 9S-150/3	979	520	738	506	148	400	2"1/2 G	2" G	55
2 U 9S-200/4	1009	520	738	536	148	400	2"1/2 G	2" G	59
2 U 9S-250/5T	1039	520	738	566	148	400	2"1/2 G	2" G	62
2 U 18S-250/3T	1101	520	738	592	148	516	3" G	2"1/2 G	71
2 U 18S-400/4T	1138	520	738	629	153	521	3" G	2"1/2 G	82



TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)										
1~	3~					1~	3~	0	1,2	2,4	3,6	4,8	7,2	9,6				
						0	20	40	60	80	120	160						
						H (m)												
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz											
2 U 3S-100/5	2 U 3S-100/5T	2x1	2x0,75	2x0,99	2x0,92	2x4,4	2x1,7	55,3	53,5	50,3	46,5	42,1	31,6	17,7				
2 U 3S-120/6	2 U 3S-120/6T	2x1,2	2x0,9	2x1,11	2x1,11	2x5,1	2x2,5	66,6	64,4	60,8	56	50,7	38,1	22,4				
2 U 3S-150/7	2 U 3S-150/7T	2x1,5	2x1,1	2x1,38	2x1,31	2x6,4	2x2,7	80,1	77,7	74,2	69,1	63,3	48,8	30				

TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)							
1~	3~					1~ 1x230 V 50 Hz	3~ 3x400 V 50 Hz	0	3,6	4,8	7,2	9,6	12	14,4	16,8
								0	60	80	120	160	200	240	280
								H (m)							
2 U 5S-80/3	2 U 5S-80/3T	2x0,8	2x0,6	2x0,8	2x0,75	2x3,8	2x1,4	34	31,1	29,9	27	23,6	19,1	13,1	6
2 U 5S-120/4	2 U 5S-120/4T	2x1,2	2x0,9	2x1,09	2x1,08	2x4,9	2x2,4	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
2 U 5S-150/5	2 U 5S-150/5T	2x1,5	2x1,1	2x1,39	2x1,31	2x6,5	2x2,7	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14
2 U 5S-180/6	2 U 5S-180/6T	2x1,8	2x1,3	2x1,63	2x1,55	2x7,3	2x3	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1
2U 5S-200/7	2 U 5S-200/7T	2x2	2x1,5	2x1,94	2x1,67	2x8,7	2x3,3	81	75,5	73	67,4	60,3	51	38,6	21

-2 ULTRA S BOOSTER SET STAINLESS STEEL IMPELLERS & DIFFUSERS



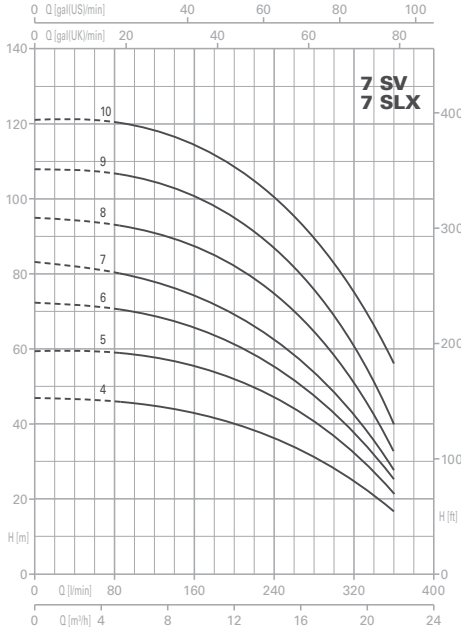
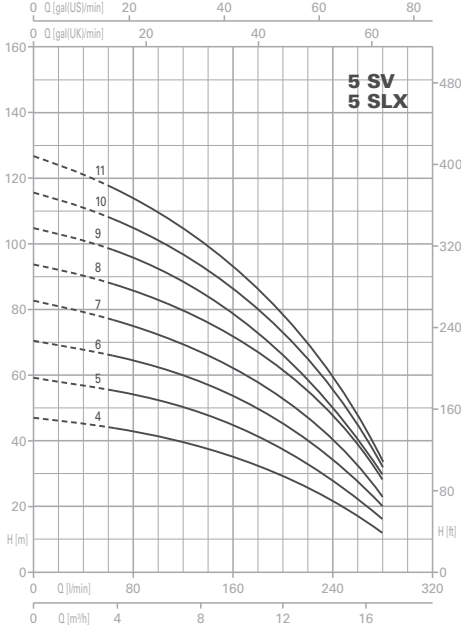
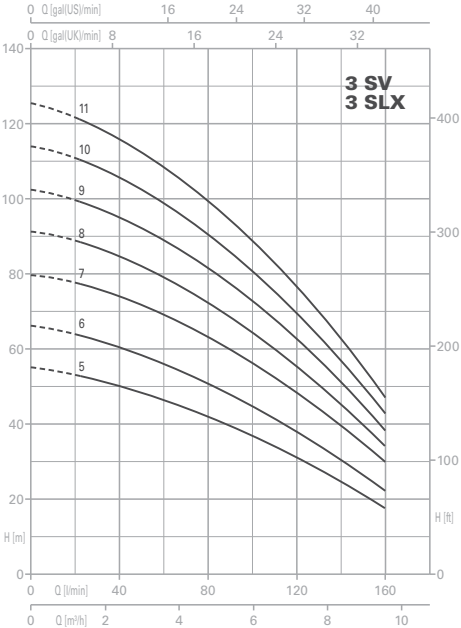
TYPE		P2		P1 (kW)		AMPERE		Q (m³/h - l/min)										
1~	3~					0	4,8	7,2	9,6	12	14,4	16,8	19,2	21,6				
						0	80	120	160	200	240	280	320	360				
		(HP)	(kW)	1~	3~	1x230 V 50 Hz	3x400 V 50 Hz	H (m)										
2 U 7S-120/3	2 U 7S-120/3T	2x1,2	2x0,9	2x1,23	2x1,22	2x5,6	2x2,5	35,6	33,9	32,8	31,2	28,1	24,7	20,8	15,7	10		
2 U 7S-180/4	2 U 7S-180/4T	2x1,8	2x1,3	2x1,69	2x1,62	2x7,7	2x3,1	48	46,3	45,7	43,6	40,4	36,4	31,4	25	17,2		
-	2 U 7S-250/5T	2x2,5	2x1,85	-	2x2,05	-	2x4,1	60,3	59	58,2	55,7	52,2	47,4	41,3	33,5	22		
-	2 U 7S-300/6T	2x3	2x2,2	-	2x2,44	-	2x4,8	72,5	70,5	69,2	66	61,5	55,7	47,8	37,8	24,7		
-	2 U 7S-350/7T	2x3,5	2x2,57	-	2x2,84	-	2x5,1	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5		

TYPE		P2				P1 (kW)				AMPERE		Q (m³/h - l/min)											
1~	3~									1~	3~	0	7,2	9,6	12	14,4	16,8	19,2	21,6	24	26,4	28,8	
										1x230 V 50 Hz	3x400 V 50 Hz	0	120	160	200	240	280	320	360	400	440	480	
												H (m)											
2 U 9S-150/3	2 U 9S-150/3T	2x1,5	2x1,1	2x1,47	2x1,4	2x6,8	2x2,8	35,6	32,5	31,5	30	28,7	26,9	24,6	22	18,7	15	10,7					
2 U 9S-200/4	2 U 9S-200/4T	2x2	2x1,5	2x1,88	2x1,77	2x8,4	2x3,3	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19	13,1					
-	2 U 9S-250/5T	2x2,5	2x1,85	-	2x2,23	-	2x4,3	60	54,8	53	51	48,2	45,4	42	37,3	31,6	25	18					

TYPE	P2		P1 (kW)	AMPERE	Q (m³/h - l/min)																			
				3~	0	12	14,4	16,8	19,2	21,6	24	26,4	28,8	31,2	33,6	36	38,2	40,8	43,2	45,2	48	50,4		
					0	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800	840		
					3x400 V 50 Hz	H (m)																		
2 U 18S-250/3T	2x2,5	2x1,85	2x2,29	2x4,4	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9	10,2		
2 U 18S-400/4T	2x4	2x3	2x3,11	2x5,7	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28	25,1	22,1	18,1	14,9		

TYPE 2 ULTRA S BOOSTER SET		1 x 230v	1 x 400v
1~	3~	CODE	CODE
2 U 3 S-100/5	2 U 3S-100/5T	1000-4005	1000-4010
2 U 3 S-120/6	2 U 3S-120/6T	1000-4015	1000-4020
2 U 3 S-150/7	2 U 3S-150/7T	1000-4025	1000-4030
2 U 5 S-80/3	2 U 5S-80/3T	1000-4035	1000-4040
2 U 5 S-120/4	2 U 5S-120/4T	1000-4045	1000-4050
2 U 5 S-150/5	2 U 5S-150/5T	1000-4055	1000-4060
2 U 5 S-180/6	2 U 5S-180/6T	1000-4065	1000-4070
2 U 5 S-200/7	2 U 5S-200/7T	1000-4075	1000-4080
2 U 7 S-120/3	2 U 7S-120/3T	1000-4085	1000-4090
2 U 7 S-180/4	2 U 7S-180/4T	1000-4095	1000-4100
-	2 U 7S-250/5T	-	1000-4110
-	2 U 7S-300/6T	-	1000-4120
-	2 U 7S-350/7T	-	1000-4130
2 U 9S-150/3	2 U 9S-150/3T	1000-4135	1000-4140
2 U 9S-200/4	2 U 9S-200/4T	1000-4145	1000-4150
-	2 U 9S-250/5T	-	1000-4160
-	2 U 18S-250/3T	-	1000-4170
-	2 U 18S-400/4T	-	1000-4180

-2 ULTRA SV/SLX BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



SV – cast iron top and bottom pump housings.

SLX(G) – stainless steel top and bottom pump housings.

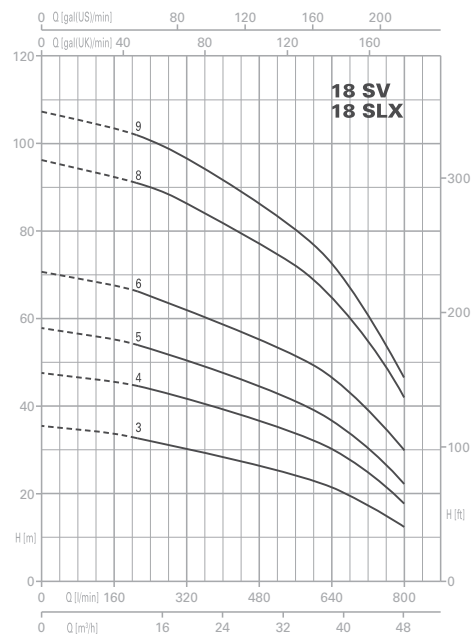
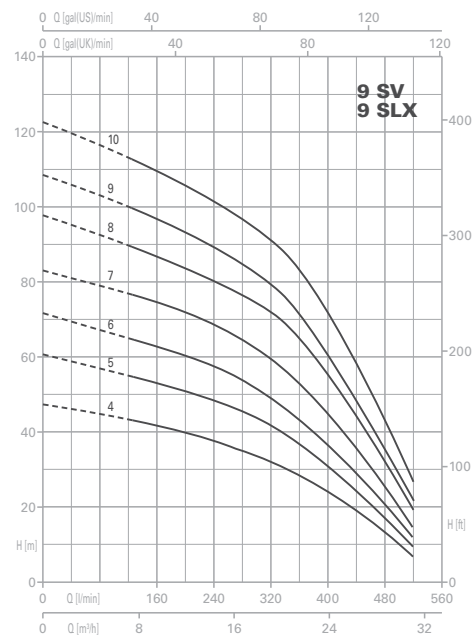
2 ULTRA 5... SV/SLX	P2		P1 (kW)	AMPERE 3~ 3x400 V 50 Hz	Q (m³/h - l/min)							
					0	3,6	4,8	7,2	9,6	12	14,4	16,8
					0	60	80	120	160	200	240	280
					H (m)							
2 U 5...-120/4T	2x1,2	2x0,9	2x1,09	2x2,4	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
2 U 5...-150/5T	2x1,5	2x1,1	2x1,31	2x2,7	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14,0
2 U 5...-180/6T	2x1,8	2x1,3	2x1,55	2x3	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1
2 U 5...-200/7T	2x2	2x1,5	2x1,77	2x3,3	81	75,5	73,0	67,4	60,3	51,0	38,6	21,0
2 U 5...-250/8T	2x2,5	2x1,9	2x2,07	2x4	92,1	86,5	84,0	77,8	70,1	60	45,5	26
2 U 5...-280/9T	2x2,8	2x2,1	2x2,27	2x4,2	103,4	96,7	93,5	86	77,1	65,6	48,7	27,6
2 U 5...-300/10T	2x3	2x2,2	2x2,57	2x4,7	114,2	106,4	102,9	95,2	85,2	72,0	53,3	30
2 U 5...-350/11T	2x3,5	2x2,6	2x2,76	2x4,9	125,1	115,7	111,8	102,6	91,6	77,1	57,1	30,7

2 ULTRA 3... SV/SLX	P2		P1 (kW)	AMPERE 3~ 3x400 V 50 Hz	Q (m³/h - l/min)							
					0	1,2	2,4	3,6	4,8	7,2	9,6	
					0	20	40	60	80	120	160	
					H (m)							
2 U 3...-100/5T	2x1	2x0,75	2x0,9	2x1,7	55,3	53,5	50,3	46,5	42,1	31,6	17,7	
2 U 3...-120/6T	2x1,2	2x0,9	2x1,1	2x2,5	66,6	64,4	60,8	56	50,7	38,1	22,4	
2 U 3...-150/7T	2x1,5	2x1,1	2x1,3	2x2,7	80,1	77,7	74,2	69,1	63,3	48,8	30	
2 U 3...-180/8T	2x1,8	2x1,3	2x1,5	2x2,7	91,5	88,8	84,8	79	72,3	55,8	34,3	
2 U 3...-200/9T	2x2	2x1,5	2x1,6	2x3,0	103	99,9	95,4	88,8	81,4	62,7	38,6	
2 U 3...-250/10T	2x2,5	2x1,8	2x1,8	2x3,7	114,4	111	106	98,7	90,4	69,7	42,9	
2 U 3...-280/11T	2x2,8	2x2,1	2x2,0	2x3,9	125,9	122,1	116,6	108,6	99,5	76,7	47,1	

2 ULTRA 7... SV/SLX	P2		P1 (kW)	AMPERE 3~ 3x400 V 50 Hz	Q (m³/h - l/min)									
					0	4,8	7,2	9,6	12	14,4	16,8	19,2	21,6	
					0	80	120	160	200	240	280	320	360	
					H (m)									
2 U 7...-180/4T	2x1,8	2x1,3	2x1,62	2x3,1	48,0	46,3	45,7	43,6	40,4	36,4	31,4	25,0	17,2	
2 U 7...-250/5T	2x2,5	2x1,9	2x2,05	2x4,1	60,3	59,0	58,2	55,7	52,2	47,4	41,3	33,5	23,5	
2 U 7...-300/6T	2x3	2x2,2	2x2,44	2x4,8	71,8	70,0	68,9	65,7	61,3	55,4	48,1	38,5	26,0	
2 U 7...-350/7T	2x3,5	2x2,6	2x2,84	2x5,1	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5	
2 U 7...-400/8T	2x4,5	2x3	2x3,3	2x6	95,6	93,3	91,4	87,2	81,6	74,2	64,8	51,9	33,0	
2 U 7...-450/9T	2x4,5	2x3,4	2x3,81	2x6,5	108,5	106,5	105,1	101,0	95,0	87,2	76,6	62,6	39,5	
2 U 7...-550/10T	2x5,5	2x4	2x4,32	2x7,9	121,5	120,1	119,3	115,3	109,2	100,8	89,8	75,0	55,4	

-2 ULTRA SV/SLX BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS

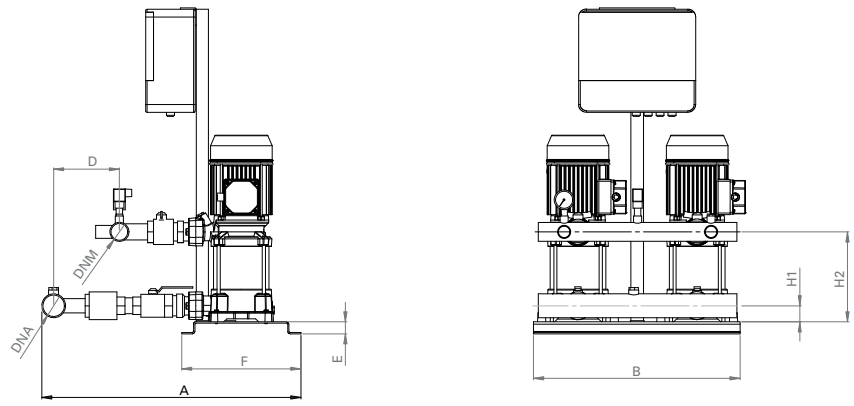


2 ULTRA 9... SV/SLX		P2		P1 (kW)	A	Q (m³/h - l/min)													
					3~	0	7,2	9,6	12	14,4	16,8	19,2	22	24	26,4	28,8	31,2		
						0	120	160	200	240	280	320	360	400	440	480	520		
						3x400 V	H (m)												
		(HP)	(kW)	3~	50 Hz														
2 U 9...-200/4T		2x2	2x1,5	2x1,77	2x3,3	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19,0	13,1	7,1		
2 U 9...-250/5T		2x2,5	2x1,87	2x2,23	2x4,3	60	54,8	53,0	51	48,2	45,4	42	37,3	31,6	25	18,0	10,6		
2 U 9...-300/6T		2x3	2x2,2	2x2,58	2x4,9	71,8	64,9	63,0	59,9	57,0	53,7	49,7	44,3	37,0	29,5	20,8	11,1		
2 U 9...-400/7T		2x4	2x3	2x3,13	2x5,8	83,3	76,7	74,9	71,8	68,3	64,6	59,9	53,5	44,8	35,9	25,7	14,3		
2 U 9...-450/8T		2x4,5	2x3,37	2x3,72	2x6,4	97,3	89,5	87,3	84	80,5	76,5	71,6	64,8	54,9	44,0	32,4	19,7		
2 U 9...-500/9T		2x5	2x3,7	2x4,11	2x7	109,0	100,0	97,6	93,6	89,5	85,0	79,4	71,6	60,1	48,0	34,9	21,9		
2 U 9...-550/10T		2x5,5	2x4,0	2x4,58	2x8,3	122,0	112,8	110,5	106,5	102,2	97,3	91,6	82,8	70,7	57,1	42,3	26,5		

2 ULTRA 18... SV/SLX		P2		P1 (kW)	A	Q (m³/h - l/min)																	
					3~	0	12	14,4	16,8	19,2	21,6	24	26,4	28,8	31,2	33,6	36	38,4	40,8	43,2	45,6	48	
						0	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800	
						3x400 V 50 Hz	H (m)																
(HP)	(kW)	3~																					
2 U 18...-250/3T	2x2,5	2x1,85	2x2,29	2x4,4	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9		
2 U 18...-400/4T	2x4	2x3	2x3,11	2x5,7	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28,0	25,1	22,1	18,1		
2 U 18...-450/5T	2x4,5	2x3,31	2x3,79	2x6,7	58,1	54,3	53,1	51,8	50,4	49,0	47,4	45,9	44,3	42,7	41,0	39,2	37,0	34,0	30,8	26,9	23,0		
2 U 18...-550/6T	2x5,5	2x4	2x4,63	2x8,7	70,5	66,4	65,0	63,6	62,0	60,5	58,9	57,2	55,4	53,5	51,5	49,3	46,3	43,3	39,4	34,9	30,4		
2 U 18...-750/8T	2x7,5	2x5,5	2x6,15	2x10,9	95,9	90,9	89,58	88,0	86,1	83,9	81,6	79,5	76,8	74,4	71,8	68,5	65,0	60,4	55,2	49,0	42,2		
2 U 18...-900/9T	2x9	2x6,6	2x7	2x12,7	106,4	101,8	100,4	98,6	96,1	93,5	91,0	88,2	85,5	82,7	79,7	76,2	72,1	66,9	60,8	53,7	46,1		

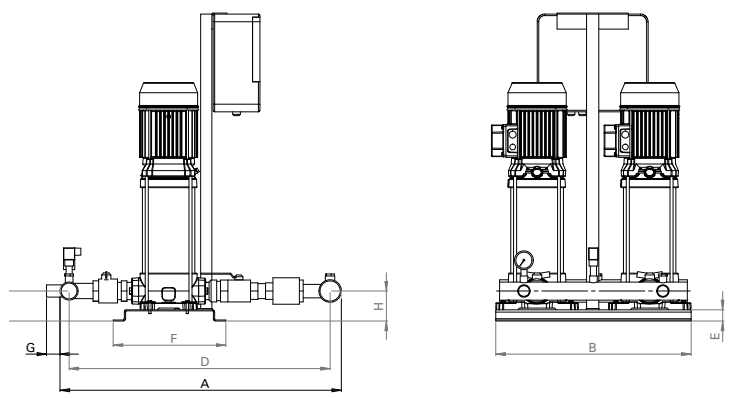


-2 ULTRA SV BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



TYPE	DIMENSIONS (mm)									
	A	B	D	E	F	H1	H2	DNA		DNM
2 U 3SV-100/5	580	520	110	30	300	40	178	2" G	1"1/2 G	56
2 U 3SV-120/6	580	520	110	30	300	40	202			58
2 U 3SV-150/7	580	520	110	30	300	40	226			64
2 U 3SV-180/8	580	520	110	30	300	40	250			66
2 U 3SV-200/9	580	520	110	30	300	40	274			69
2 U 3SV-250/10	580	520	110	30	300	40	298			71
2 U 3SV-280/11	580	520	110	30	300	40	322			74
2 U 5SV-120/4	580	520	110	30	300	40	178			61
2 U 5SV-150/5	580	520	110	30	300	40	202	2" G	1"1/2 G	63
2 U 5SV-180/6	580	520	110	30	300	40	226			65
2 U 5SV-200/7	580	520	110	30	300	40	250			67
2 U 5SV-250/8	580	520	110	30	300	40	274			70
2 U 5SV-280/9	580	520	110	30	300	40	298			71
2 U 5SV-300/10	580	520	110	30	300	40	322			74
2 U 5SV-350/11	580	520	110	30	300	40	346			78
2 U 7SV-180/4	630	520	145	30	300	40	178			2"1/2 G
2 U 7SV-250/5	630	520	145	30	300	40	202	77		
2 U 7SV-300/6	630	520	145	30	300	40	226	81		
2 U 7SV-350/7	630	520	145	30	300	40	250	85		
2 U 7SV-400/8	630	520	145	30	300	40	274	89		
2 U 7SV-450/9	630	520	145	30	300	40	301	97		
2 U 7SV-550/10	630	520	145	30	300	40	325	107		
2 U 9SV-200/4	630	520	145	30	300	40	202	2"1/2 G	2" G	
2 U 9SV-250/5	630	520	145	30	300	40	232			74
2 U 9SV-300/6	630	520	145	30	300	40	262			76
2 U 9SV-400/7	630	520	145	30	300	40	292			87
2 U 9SV-450/8	630	520	145	30	300	40	325			96
2 U 9SV-500/9	630	520	145	30	300	40	355			100
2 U 9SV-550/10	630	520	145	30	300	40	385			106
2 U 18SV-250/3	–	520	165	30	300	50	211			3" G
2 U 18SV-400/4	–	520	165	30	300	50	248	95		
2 U 18SV-450/5	–	520	165	30	300	50	289	105		
2 U 18SV-550/6	–	520	165	30	300	50	326	112		
2 U 18SV-750/8	–	520	165	30	300	50	401	135		
2 U 18SV-900/9	–	520	165	30	300	50	439	143		

-2 ULTRA SLX BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



2 U SLX	DIMENSIONS (mm)								DNA	DNM	
	A	B	D	E	F	G	H				
2 U 3...-100/5	660	520	610	30	300	30	50	2" G	1"1/2 G	59	
2 U 3...-120/6	660	520	610	30	300	30	50			60	
2 U 3...-150/7	660	520	610	30	300	30	50			67	
2 U 3...-180/8	660	520	610	30	300	30	50			70	
2 U 3...-200/9	660	520	610	30	300	30	50			74	
2 U 3...-250/10	660	520	610	30	300	30	50			76	
2 U 3...-280/11	660	520	610	30	300	30	50			79	
2 U 5...-120/4	660	520	610	30	300	30	50	2" G	1"1/2 G	60	
2 U 5...-150/5	660	520	610	30	300	30	50			62	
2 U 5...-180/6	660	520	610	30	300	30	50			64	
2 U 5...-200/7	660	520	610	30	300	30	50			66	
2 U 5...-250/8	660	520	610	30	300	30	50			67	
2 U 5...-280/9	660	520	610	30	300	30	50			68	
2 U 5...-300/10	660	520	610	30	300	30	50			70	
2 U 5...-350/11	660	520	610	30	300	30	50	2"1/2 G	2" G	75	
2 U 7...-180/4	755	520	685	30	300	30	50			69	
2 U 7...-250/5	755	520	685	30	300	30	50			72	
2 U 7...-300/6	755	520	685	30	300	30	50			75	
2 U 7...-350/7	755	520	685	30	300	30	50			78	
2 U 7...-400/8	755	520	685	30	300	30	50			84	
2 U 7...-450/9	755	520	685	30	300	30	50			89	
2 U 7...-550/10	755	520	685	30	300	30	50	2"1/2 G	2" G	98	
2 U 9...-200/4	785	566	705	30	300	30	80			71	
2 U 9...-250/5	785	566	705	30	300	30	80			73	
2 U 9...-300/6	785	566	705	30	300	30	80			75	
2 U 9...-400/7	785	566	705	30	300	30	80			84	
2 U 9...-450/8	785	566	705	30	300	30	80			89	
2 U 9...-500/9	785	566	705	30	300	30	80			94	
2 U 9...-550/10	785	566	705	30	300	30	80	3" G	2"1/2 G	100	
2 U 18...-250/3T	840	566	760	30	300	30	90			80	
2 U 18...-400/4T	840	566	760	30	300	30	90			92	
2 U 18...-450/5T	840	566	760	30	300	30	90			97	
2 U 18...-550/6T	840	566	760	30	300	30	90			108	
2 U 18...-750/8T	840	566	760	30	300	30	90			112	
2 U 18...-900/9T	840	566	760	30	300	30	90			115	

2 ULTRA SV BOOSTER SET	1 x 400v	2 ULTRA SLX BOOSTER SET	1 x 400v
3~	CODE	3~	CODE
2 U 3SV-100/5T	1000-4505	2 U 3SLX-100/5T	1000-4510
2 U 3SV-120/6T	1000-4515	2 U 3SLX-120/6T	1000-4520
2 U 3SV-150/7T	1000-4525	2 U 3SLX-150/7T	1000-4530
2 U 3SV-180/8T	1000-4535	2 U 3SLX-180/8T	1000-4540
2 U 3SV-200/9T	1000-4545	2 U 3SLX-200/9T	1000-4550
2 U 3SV-250/10T	1000-4555	2 U 3SLX-250/10T	1000-4560
2 U 3SV-280/11T	1000-4565	2 U 3SLX-280/11T	1000-4570
2 U 5SV-120/4T	1000-4575	2 U 5SLX-120/4T	1000-4580
2 U 5SV-150/5T	1000-4585	2 U 5SLX-150/5T	1000-4590
2 U 5SV-180/6T	1000-4595	2 U 5SLX-180/6T	1000-4600
2 U 5SV-200/7T	1000-4605	2 U 5SLX-200/7T	1000-4610
2 U 5SV-250/8T	1000-4615	2 U 5SLX-250/8T	1000-4620
2 U 5SV-280/9T	1000-4625	2 U 5SLX-280/9T	1000-4630
2 U 5SV-300/10T	1000-4635	2 U 5SLX-300/10T	1000-4640
2 U 5SV-350/11T	1000-4645	2 U 5SLX-350/11T	1000-4650
2 U 7SV-180/4T	1000-4655	2 U 7SLX-180/4T	1000-4660
2 U 7SV-250/5T	1000-4665	2 U 7SLX-250/5T	1000-4670
2 U 7SV-300/6T	1000-4675	2 U 7SLX-300/6T	1000-4680
2 U 7SV-350/7T	1000-4685	2 U 7SLX-350/7T	1000-4690
2 U 7SV-400/8T	1000-4695	2 U 7SLX-400/8T	1000-4700
2 U 7SV-450/9T	1000-4705	2 U 7SLX-450/9T	1000-4710
2 U 7SV-550/10T	1000-4715	2 U 7SLX-550/10T	1000-4720
2 U 9SV-200/4T	1000-4725	2 U 9SLX-200/4T	1000-4730
2 U 9SV-250/5T	1000-4735	2 U 9SLX-250/5T	1000-4740
2 U 9SV-300/6T	1000-4745	2 U 9SLX-300/6T	1000-4750
2 U 9SV-400/7T	1000-4755	2 U 9SLX-400/7T	1000-4760
2 U 9SV-450/8T	1000-4765	2 U 9SLX-450/8T	1000-4770
2 U 9SV-500/9T	1000-4775	2 U 9SLX-500/9T	1000-4780
2 U 9SV-550/10T	1000-4785	2 U 9SLX-550/10T	1000-4790
2 U 18SV-250/3T	1000-4795	2 U 18SLX-250/3T	1000-4800
2 U 18SV-400/4T	1000-4805	2 U 18SLX-400/4T	1000-4810
2 U 18SV-450/5T	1000-4815	2 U 18SLX-450/5T	1000-4820
2 U 18SV-550/6T	1000-4825	2 U 18SLX-550/6T	1000-4830
2 U 18SV-750/8T	1000-4835	2 U 18SLX-750/8T	1000-4840
2 U 18SV-900/9T	1000-4845	2 U 18SLX-900/9T	1000-4850

SV – cast iron top and bottom pump housings.

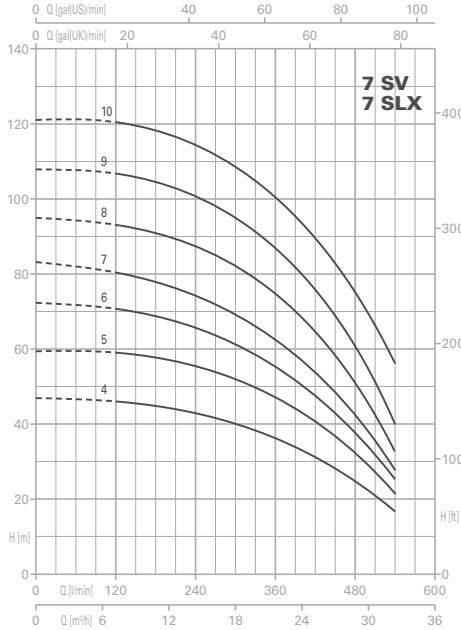
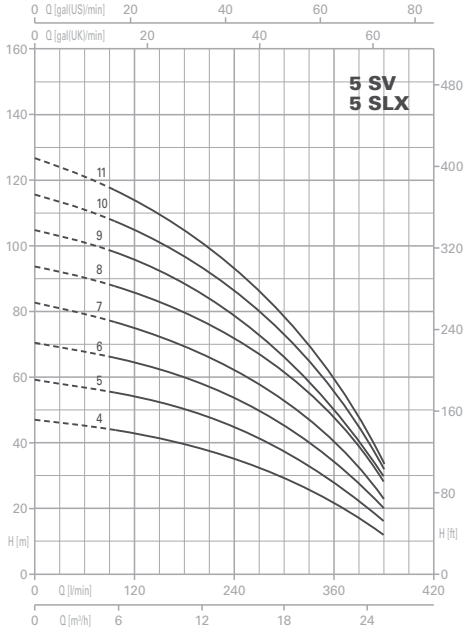
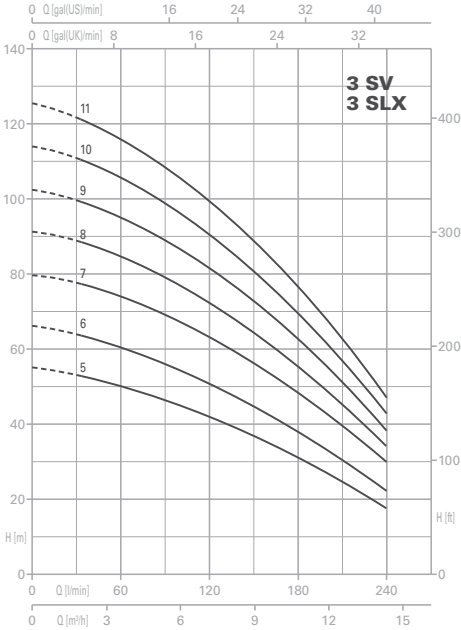
SLX – stainless steel top and bottom pump housings.



-3 ULTRA SV/SLX BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



SV – cast iron top and bottom pump housings.
SLX(G) – stainless steel top and bottom pump housings.

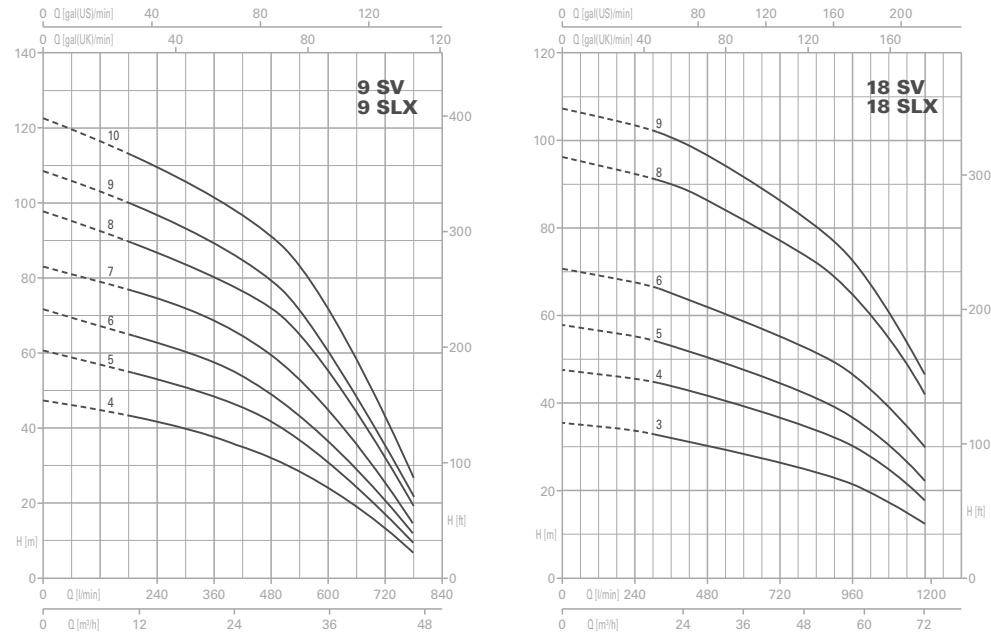


3 ULTRA 5... SV/SLX	P2		P1 (kW)	AMPERE 3~ 3x400 V 50 Hz	Q (m³/h - l/min)							
					0	5,4	7,2	10,8	14,4	18	21,6	25,2
					0	90	120	180	240	300	360	420
	(HP)		(kW)	3~	H (m)							
3 U 5...-120/4T	3x1,2	3x0,9	3x1,09	3x2,4	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
3 U 5...-150/5T	3x1,5	3x1,1	3x1,31	3x2,7	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14,0
3 U 5...-180/6T	3x1,8	3x1,3	3x1,55	3x3	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1
3 U 5...-200/7T	3x2	3x1,5	3x1,77	3x3,3	81	75,5	73,0	67,4	60,3	51,0	38,6	21,0
3 U 5...-250/8T	3x2,5	3x1,9	3x2,07	3x4	92,1	86,5	84,0	77,8	70,1	60	45,5	26
3 U 5...-280/9T	3x2,8	3x2,1	3x2,27	3x4,2	103,4	96,7	93,5	86	77,1	65,6	48,7	27,6
3 U 5...-300/10T	3x3	3x2,2	3x2,57	3x4,7	114,2	106,4	102,9	95,2	85,2	72,0	53,3	30
3 U 5...-350/11T	3x3,5	3x2,6	3x2,76	3x4,9	125,1	115,7	111,8	102,6	91,6	77,1	57,1	30,7

3 ULTRA 3... SV/SLX	P2		P1 (kW)	AMPERE 3~ 3x400 V 50 Hz	Q (m³/h - l/min)						
					0	1,8	3,6	5,4	7,2	10,8	14,4
					0	30	60	90	120	180	240
	(HP)		(kW)	3~	H (m)						
3 U 3...-100/5T	3x1	3x0,75	3x0,9	3x1,7	55,3	53,5	50,3	46,5	42,1	31,6	17,7
3 U 3...-120/6T	3x1,2	3x0,9	3x1,1	3x2,5	66,6	64,4	60,8	56,0	50,7	38,1	22,4
3 U 3...-150/7T	3x1,5	3x1,1	3x1,3	3x2,7	80,1	77,7	74,2	69,1	63,3	48,8	30,0
3 U 3...-180/8T	3x1,8	3x1,3	3x1,5	3x2,7	91,5	88,8	84,8	79,0	72,3	55,8	34,3
3 U 3...-200/9T	3x2	3x1,5	3x1,6	3x3,0	103,0	99,9	95,4	88,8	81,4	62,7	38,6
3 U 3...-250/10T	3x2,5	3x1,8	3x1,8	3x3,7	114,4	111,0	106,0	98,7	90,4	69,7	42,9
3 U 3...-280/11T	3x2,8	3x2,1	3x2,0	3x3,9	125,9	122,1	116,6	108,6	99,5	76,7	47,1

3 ULTRA 7... SV/SLX	P2		P1 (kW)	AMPERE 3~ 3x400 V 50 Hz	Q (m³/h - l/min)							
					0	7,2	10,8	14,4	18	21,6	25,2	28,8
					0	120	180	240	300	360	420	480
	(HP)		(kW)	3~	H (m)							
3 U 7...-180/4T	3x1,8	3x1,3	3x1,62	3x3,1	48,0	46,3	45,7	43,6	40,4	36,4	31,4	25,0
3 U 7...-250/5T	3x2,5	3x1,9	3x2,05	3x4,1	60,3	59,0	58,2	55,7	52,2	47,4	41,3	33,5
3 U 7...-300/6T	3x3	3x2,2	3x2,44	3x4,8	71,8	70,0	68,9	65,7	61,3	55,4	48,1	38,5
3 U 7...-350/7T	3x3,5	3x2,6	3x2,84	3x5,1	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7
3 U 7...-400/8T	3x4,5	3x3	3x3,3	3x6	95,6	93,3	91,4	87,2	81,6	74,2	64,8	51,9
3 U 7...-450/9T	3x4,5	3x3,4	3x3,81	3x6,5	108,5	106,5	105,1	101,0	95,0	87,2	76,6	62,6
3 U 7...-550/10T	3x5,5	3x4	3x4,32	3x7,9	121,5	120,1	119,3	115,3	109,2	100,8	89,8	75,0

- 3 ULTRA SV/SLX BOOSTER SET STAINLESS STEEL IMPELLERS & DIFFUSERS

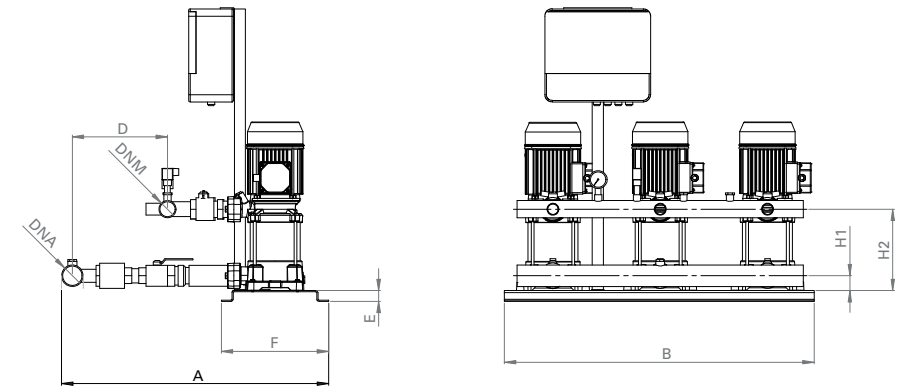


3 ULTRA 9... SV/SLX	P2		P1 (kW)	A 3~	Q (m³/h - l/min)														
					H (m)														
					3~														
	(HP)	(kW)	3~	3~	0	10,8	14,4	18	21,6	25,2	28,8	33	36	39,6	43,2	46,8	0	180	240
3 U 9...-200/4T	3x2	3x1,5	3x1,77	3x3,3	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19,0	13,1	7,1	0	180	240
3 U 9...-250/5T	3x2,5	3x1,87	3x2,23	3x4,3	60	54,8	53,0	51	48,2	45,4	42	37,3	31,6	25	18,0	10,6	0	240	300
3 U 9...-300/6T	3x3	3x2,2	3x2,58	3x4,9	71,8	64,9	63,0	59,9	57,0	53,7	49,7	44,3	37,0	29,5	20,8	11,1	0	300	360
3 U 9...-400/7T	3x4	3x3	3x3,13	3x5,8	83,3	76,7	74,9	71,8	68,3	64,6	59,9	53,5	44,8	35,9	25,7	14,3	0	360	420
3 U 9...-450/8T	3x4,5	3x3,37	3x3,72	3x6,4	97,3	89,5	87,3	84	80,5	76,5	71,6	64,8	54,9	44,0	32,4	19,7	0	420	480
3 U 9...-500/9T	3x5	3x3,7	3x4,11	3x7	109,0	100,0	97,6	93,6	89,5	85,0	79,4	71,6	60,1	48,0	34,9	21,9	0	480	540
3 U 9...-550/10T	3x5,5	3x4,0	3x4,58	3x8,3	122,0	112,8	110,5	106,5	102,2	97,3	91,6	82,8	70,7	57,1	42,3	26,5	0	540	600

3 ULTRA 18... SV/SLX	P2		P1 (kW)	A 3~	Q (m³/h - l/min)															
					H (m)															
					3~															
	(HP)	(kW)	3~	3~	0	18	21,6	25,2	28,8	32,4	36	39,6	43,2	46,8	50,4	54	57,6	61,2	64,8	68,4
3 U 18...-250/3T	3x2,5	3x1,85	3x2,29	3x4,4	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4
3 U 18...-400/4T	3x4	3x3	3x3,11	3x5,7	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28,0	25,1	22,1
3 U 18...-450/5T	3x4,5	3x3,31	3x3,79	3x6,7	58,1	54,3	53,1	51,8	50,4	49,0	47,4	45,9	44,3	42,7	41,0	39,2	37,0	34,0	30,8	26,9
3 U 18...-550/6T	3x5,5	3x4	3x4,63	3x8,7	70,5	66,4	65,0	63,6	62,0	60,5	58,9	57,2	55,4	53,5	51,5	49,3	46,3	43,3	39,4	34,9
3 U 18...-750/8T	3x7,5	3x5,5	3x6,15	3x10,9	95,9	90,9	89,58	88,0	86,1	83,9	81,6	79,5	76,8	74,4	71,8	68,5	65,0	60,4	55,2	49,0
3 U 18...-900/9T	3x9	3x6,6	3x7	3x12,7	106,4	101,8	100,4	98,6	96,1	93,5	91,0	88,2	85,5	82,7	79,7	76,2	72,1	66,9	60,8	53,7

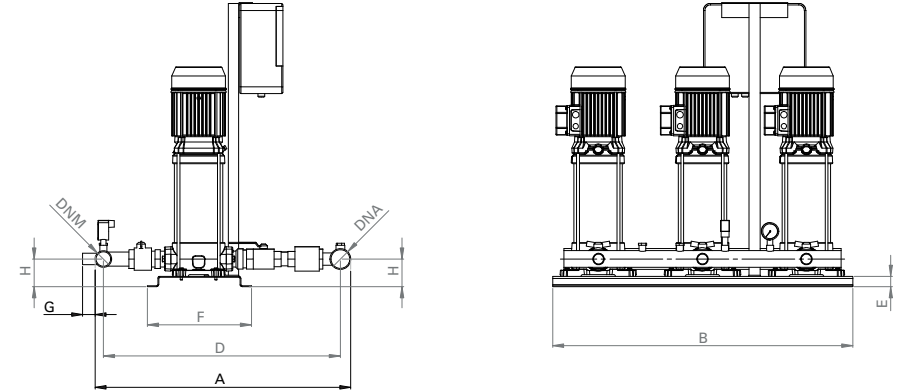


-3 ULTRA SV BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



TYPE	DIMENSIONS (mm)									
	A	B	D	E	F	H1	H2	DNA		DNM
3 U 3SV-100/5	580	866	110	30	300	40	178	2" G	1 1/2 G	75
3 U 3SV-120/6	580	866	110	30	300	40	202			78
3 U 3SV-150/7	580	866	110	30	300	40	226			87
3 U 3SV-180/8	580	866	110	30	300	40	250			90
3 U 3SV-200/9	580	866	110	30	300	40	274			95
3 U 3SV-250/10	580	866	110	30	300	40	298			98
3 U 3SV-280/11	580	866	110	30	300	40	322	2 1/2 G	2" G	102
3 U 5SV-120/4	590	866	110	30	300	40	178			81
3 U 5SV-150/5	590	866	110	30	300	40	202			86
3 U 5SV-180/6	590	866	110	30	300	40	226			89
3 U 5SV-200/7	590	866	110	30	300	40	250			93
3 U 5SV-250/8	590	866	110	30	300	40	274			97
3 U 5SV-280/9	590	866	110	30	300	40	298			100
3 U 5SV-300/10	590	866	110	30	300	40	322			104
3 U 5SV-350/11	590	866	110	30	300	40	346			111
3 U 7SV -180/4	640	866	145	30	300	40	178			94
3 U 7SV-250/5	640	866	145	30	300	40	202			102
3 U 7SV-300/6	640	866	145	30	300	40	226	109		
3 U 7SV-350/7	640	866	145	30	300	40	250	3" G	2 1/2 G	113
3 U 7SV-400/8	640	866	145	30	300	40	274			121
3 U 7SV-450/9	640	866	145	30	300	40	301			133
3 U 7SV-550/10	640	866	145	30	300	40	325			147
3 U 9SV-200/4	640	866	145	30	300	40	202			97
3 U 9SV-250/5	640	866	145	30	300	40	232	3" G	2 1/2 G	99
3 U 9SV-300/6	640	866	145	30	300	40	262			104
3 U 9SV-400/7	640	866	145	30	300	40	292			119
3 U 9SV-450/8	640	866	145	30	300	40	325			132
3 U 9SV-500/9	640	866	145	30	300	40	355			137
3 U 9SV-550/10	640	866	145	30	300	40	385			146
3 U 18SV-250/3	–	866	170	30	300	50	211	4" G	3" G	112
3 U 18SV-400/4	–	866	170	30	300	50	248			127
3 U 18SV-450/5	–	866	170	30	300	50	289			143
3 U 18SV-550/6	–	866	170	30	300	50	326			152
3 U 18SV-750/8	–	866	170	30	300	50	401			186
3 U 18SV-900/9	–	866	170	30	300	50	439			195

-3 ULTRA SLX BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



3 U SLX	DIMENSIONS (mm)									
	A	B	D	E	F	G	H	DNA		DNM
3 U 3...-100/5	660	866	610	30	300	30	50	2" G	1 1/2 G	80
3 U 3...-120/6	660	866	610	30	300	30	50			81
3 U 3...-150/7	660	866	610	30	300	30	50			92
3 U 3...-180/8	660	866	610	30	300	30	50			96
3 U 3...-200/9	660	866	610	30	300	30	50			102
3 U 3...-250/10	660	866	610	30	300	30	50			105
3 U 3...-280/11	660	866	610	30	300	30	50	2 1/2 G	2" G	110
3 U 5...-120/4	675	866	620	30	300	30	50			81
3 U 5...-150/5	675	866	620	30	300	30	50			86
3 U 5...-180/6	675	866	620	30	300	30	50			89
3 U 5...-200/7	675	866	620	30	300	30	50			93
3 U 5...-250/8	675	866	620	30	300	30	50			95
3 U 5...-280/9	675	866	620	30	300	30	50			99
3 U 5...-300/10	675	866	620	30	300	30	50			102
3 U 5...-350/11	675	866	620	30	300	30	50			110
3 U 7...-180/4	770	866	695	30	300	30	50			3" G
3 U 7...-250/5	770	866	695	30	300	30	50	98		
3 U 7...-300/6	770	866	695	30	300	30	50	104		
3 U 7...-350/7	770	866	695	30	300	30	50	108		
3 U 7...-400/8	770	866	695	30	300	30	50	118		
3 U 7...-450/9	770	866	695	30	300	30	50	127		
3 U 7...-550/10	770	866	695	30	300	30	50	3" G	2 1/2 G	139
3 U 9...-200/4	800	866	705	30	300	30	80			101
3 U 9...-250/5	800	866	705	30	300	30	80			104
3 U 9...-300/6	800	866	705	30	300	30	80			109
3 U 9...-400/7	800	866	705	30	300	30	80			122
3 U 9...-450/8	800	866	705	30	300	30	80			133
3 U 9...-500/9	800	866	705	30	300	30	80	4" G	3" G	137
3 U 9...-550/10	800	866	705	30	300	30	80			146
3 U 18...-250/3T	865	866	785	30	300	30	90			114
3 U 18...-400/4T	865	866	785	30	300	30	90			129
3 U 18...-450/5T	865	866	785	30	300	30	90			138
3 U 18...-550/6T	865	866	785	30	300	30	90			153
3 U 18...-750/8T	865	866	785	30	300	30	90			167
3 U 18...-900/9T	865	866	785	30	300	30	90			170



SV – cast iron top and bottom pump housings.

SLX(G) – stainless steel top and bottom pump housings.

3 ULTRA SV/SLX BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS

3 ULTRA SV BOOSTER SET	1 x 400v	3 ULTRA SLX BOOSTER SET	1 x 400v
3~	CODE	3~	CODE
3 U 3SV-100/5T	1000-5005	3 U 3SLX-100/5T	1000-5505
3 U 3SV-120/6T	1000-5015	3 U 3SLX-120/6T	1000-5515
3 U 3SV-150/7T	1000-5025	3 U 3SLX-150/7T	1000-5525
3 U 3SV-180/8T	1000-5035	3 U 3SLX-180/8T	1000-5535
3 U 3SV-200/9T	1000-5045	3 U 3SLX-200/9T	1000-5545
3 U 3SV-250/10T	1000-5055	3 U 3SLX-250/10T	1000-5555
3 U 3SV-280/11T	1000-5065	3 U 3SLX-280/11T	1000-5565
3 U 5SV-120/4T	1000-5075	3 U 5SLX-120/4T	1000-5575
3 U 5SV-150/5T	1000-5085	3 U 5SLX-150/5T	1000-5585
3 U 5SV-180/6T	1000-5095	3 U 5SLX-180/6T	1000-5595
3 U 5SV-200/7T	1000-5105	3 U 5SLX-200/7T	1000-5605
3 U 5SV-250/8T	1000-5115	3 U 5SLX-250/8T	1000-5615
3 U 5SV-280/9T	1000-5125	3 U 5SLX-280/9T	1000-5625
3 U 5SV-300/10T	1000-5135	3 U 5SLX-300/10T	1000-5635
3 U 5SV-350/11T	1000-5145	3 U 5SLX-350/11T	1000-5645
3 U 7SV-180/4T	1000-5155	3 U 7SLX-180/4T	1000-5655
3 U 7V-250/5T	1000-5165	3 U 7SLX-250/5T	1000-5665
3 U 7SV-300/6T	1000-5175	3 U 7SLX-300/6T	1000-5675
3 U 7SV-350/7T	1000-5185	3 U 7SLX-350/7T	1000-5685
3 U 7SV-400/8T	1000-5195	3 U 7SLX-400/8T	1000-5695
3 U 7SV-450/9T	1000-5205	3 U 7SLX-450/9T	1000-5705
3 U 7SV-550/10T	1000-5215	3 U 7SLX-550/10T	1000-5715
3 U 9SV-200/4T	1000-5225	3 U 9SLX-200/4T	1000-5725
3 U 9SV-250/5T	1000-5235	3 U 9SLX-250/5T	1000-5735
3 U 9SV-300/6T	1000-5245	3 U 9SLX-300/6T	1000-5745
3 U 9SV-400/7T	1000-5255	3 U 9SLX-400/7T	1000-5755
3 U 9SV-450/8T	1000-5265	3 U 9SLX-450/8T	1000-5765
3 U 9SV-500/9T	1000-5275	3 U 9SLX-500/9T	1000-5775
3 U 9SV-550/10T	1000-5285	3 U 9SV-550/10T	1000-5785
3 U 18SV-250/3T	1000-5295	3 U 18SLX-250/3T	1000-5795
3 U 18SV-400/4T	1000-5305	3 U 18SLX-400/4T	1000-5805
3 U 18SV-450/5T	1000-5315	3 U 18SLX-450/5T	1000-5815
3 U 18SV-550/6T	1000-5325	3 U 18SLX-550/6T	1000-5825
3 U 18SV-750/8T	1000-5335	3 U 18SLX-750/8T	1000-5835
3 U 18SV-900/9T	1000-5345	3 U 18SLX-900/9T	1000-5845

-EPIC VSD

EPIC is the ideal solution for the production of booster sets with a maximum of 2 pumps connected in COMBO (parallel).

To turn On/Off, the booster simply switch on one of the two inverters.

The two EPIC both with pressure sensor and connected together will automatically enter into the Master/Slave configuration and further settings are not required. EPIC will distribute the work on the basis of the real working time of each pump, ensuring the same load on both pumps.

In case of failure of an inverter and/or the pump connected to it the second inverter automatically takes over to ensure the water supply.

EPIC is a device for the control and protection of pumping systems based on the variation of the input frequency of the pump.

EPIC controls the operation of the pump in order to maintain constant pressure at various conditions of use.

Advantages of the EPIC:

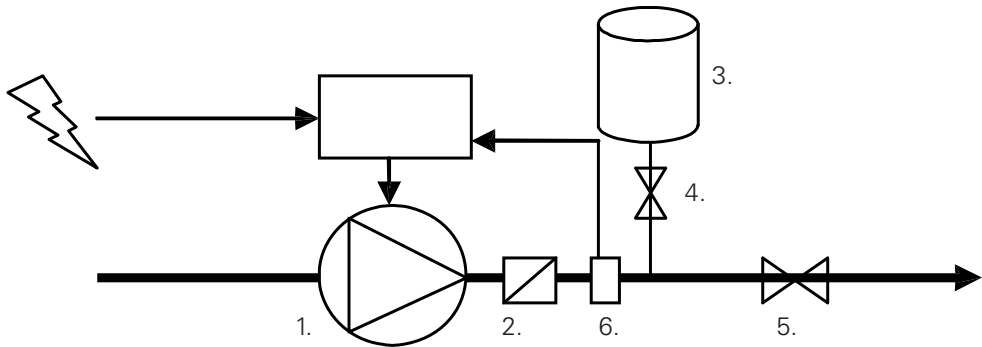
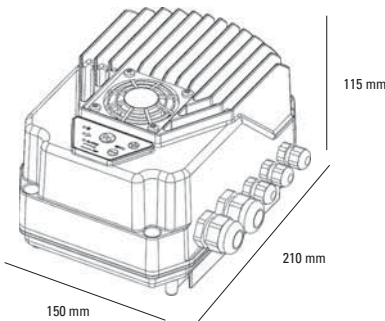
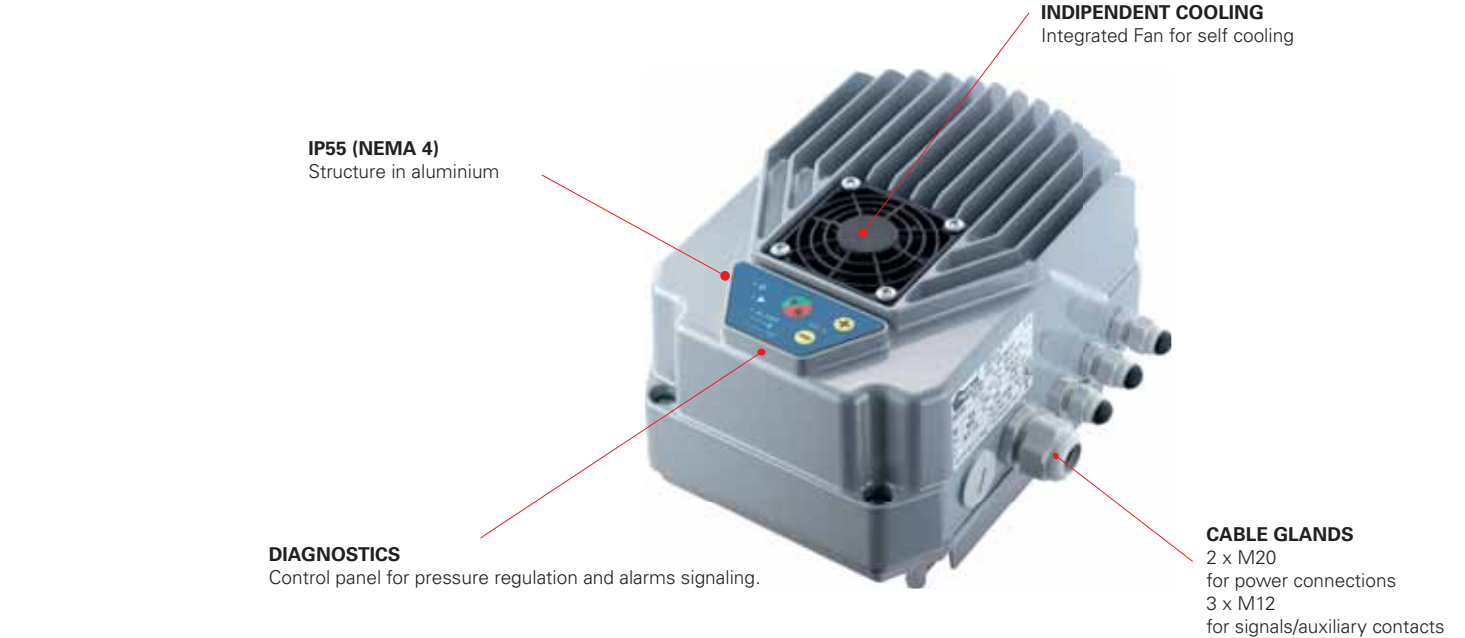
- Energy and cost savings.
- Integrated on PENTAX pumps.
- Simplified installation and lower installation costs
- Overload protection of the motor with maximum current setting.
- Protection against dry running (adjustable power factor $\cos\phi$).
- Automatic restart in case of arrest for dry running.
- Remote starting and stopping via digital inputs.
- Soft start and stop to increase the life of the system and reduce the absorption peaks.
- Connection to another EPIC to achieve alternating combined operation.
- Fuse for input protection of the device.
- Recognition and signalling alarms during operation by blinking frequency of the LEDs.
- Contacts (NO or NC) for connection of remote alarms.
- Integrated electronic power factor corrector (PFC) to ensure compliance to EN61000-3-2.

INTEGRATED ON THE PUMP

EPIC can be installed on three-phase pumps as per table 1. When provided on board the pump, the inverter is ready to use as the settings are made during the assembly.

60 Hz ENGINES

EPIC is designed to control and protect electric pumps with 60 Hz frequency. It is sufficient to set the frequency on the dip switches located in the inverter board.



V in ($\pm 15\%$)	V out	I line max	I out max	P2	Kg
1~230 V	3~230 V	11 A	7,5 A	2,5 HP	2,5

Frequency..... 48-62 Hz
 Max ambient temperature..... 40°C (104°F)
 Max humidity..... 50% a 40°C (without condensation)
 Max altitude..... 1000 m
 PWM configurable..... 2,5; 8 KHz
 Complies with the electromagnetic conformity directive

1. Pump
 2. Non return Valve
 3. Pressure Tank
 4. Valve – Tap
 5. Valve
 6. Pressure Sensor
- Pressure Tank Volume suggested: 10% of the capacity of the system

- SUPERDOMUS + VSD



TYPE SUPERDOMUS + EPIC VSD	UPTO P2		CODE
	HP	kW	
INOX 80	1	0.74	1000-6200
MPX 100/4	1.2	0.88	1000-6205
ULTRA 3S 100/5	2.5	1.8	1000-6210
ULTRA 5S 150/5	2.5	1.8	1000-6215
ULTRA 7S 250/5	2.5	1.8	1000-6220
ULTRA 9S 200/4	2	1.5	1000-6225
ULTRA 18S 180/2	1.8	1.3	1000-6230

Complete with cable, transducer, 5 way fitting, gauge and 8 litre vessel all connected to pump. Ultra S, WRAS approved pumps.

-ULTRA+VSD BOOSTER SET

Line of constant pressure booster set with 1 pump (ULTRA+VSD), 2 pumps (2 ULTRA+VSD) or 3 pumps (3 ULTRA+VSD) controlled by variable speed drive VSD (EPIC/IPFC).

COMPOSITION OF PRESSURISATION UNITS

- Horizontal or vertical monobloc electric pumps.
- Steel suction and delivery manifolds, threaded and galvanized, with coupling sleeves for membrane vessels on delivery side.
- Unit base and support for control panel in galvanised steel.
- One check valve for each electric pump, installed on suction side.
- Ball valves with pipe union installed on suction side and delivery side of each electric pump.
- One pipe stub for each electric pump, installed on suction side, with threaded hole for connection to air supply.
- Rubber vibration dampers with metal core.
- Pressure gauge with radial connection.
- One or more VSD with set parameters in accordance to the connected pump.
- Pressure sensor connected on the output manifold and electrically connected to VSD.
- On request: membrane surge tanks, shut-off valves.

CONTROL BOX

- Control box with main switches (one for each pumping unit) to switch off the system, in ABS and IP55 insulation grade.
- One or more VSD directly mounted on board of the pumps with pre-set parameters in accordance to the connected pump; available solution with EPIC VSD (for pumps up to 2kW with single phase input voltage) or with IPFC VSD (different solution with single phase input voltage up to 3 kW and with three phase input voltage up to 45 kW. (See VSD specifications on related pages)
- IPFC VSD are equipped with Bluetooth module in position to be connected to an App for mobile transmitting the working data of the group, the se can be changed and charges again on the booster for a better set up of the parameters.

Prices on application



SINGLE ULTRA SV/SLX+VSD BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS

U 3... SV/SLX				P1 (kW)	Q (m³/h - l/min)							
VSD			3~		0	0,6	1,2	1,8	2,4	3,6	4,8	
1 x 230 v					0	10	20	30	40	60	80	
EPIC	IPFC	IPFC			H (m)							
EPIC	109	306	U 3...-100/5T	3~	0,9	55,3	53,5	50,3	46,5	42,1	31,6	17,7
EPIC	109	306	U 3...-120/6T	1,1	66,6	64,4	60,8	56,0	50,7	38,1	22,4	
EPIC	109	306	U 3...-150/7T	1,3	80,1	77,7	74,2	69,1	63,3	48,8	30,0	
EPIC	109	306	U 3...-180/8T	1,5	91,5	88,8	84,8	79,0	72,3	55,8	34,3	
EPIC	109	306	U 3...-200/9T	1,6	103,0	99,9	95,4	88,8	81,4	62,7	38,6	
EPIC	114	306	U 3...-250/10T	1,8	114,4	111,0	106,0	98,7	90,4	69,7	42,9	
EPIC	114	306	U 3...-280/11T	2,0	125,9	122,1	116,6	108,6	99,5	76,7	47,1	
-	114	306	U 3...-300/12T	2,2	137,3	133,2	127,2	118,5	108,5	83,7	51,4	

U 5... SV/SLX				P1 (kW)	Q (m³/h - l/min)								
VSD			3~		0	1,8	2,4	3,6	4,8	6	7,2	8,4	
1 x 230 v		3 x 400 v			0	30	40	60	80	100	120	140	
EPIC	IPFC	IPFC			H (m)								
EPIC	109	306	U 5....120/4T	3~	1,09	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
EPIC	109	306	U 5....150/5T	1,31	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14,0	
EPIC	109	306	U 5....180/6T	1,55	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1	
EPIC	109	306	U 5....200/7T	1,77	81	75,5	73,0	67,4	60,3	51,0	38,6	21,0	
EPIC	114	306	U 5....250/8T	2,07	92,1	86,5	84,0	77,8	70,1	60	45,5	26	
-	114	306	U 5....280/9T	2,27	103,4	96,7	93,5	86	77,1	65,6	48,7	27,6	
-	114	306	U 5....300/10T	2,57	114,2	106,4	102,9	95,2	85,2	72,0	53,3	30	
-	114	306	U 5....350/11T	2,76	125,1	115,7	111,8	102,6	91,6	77,1	57,1	30,7	
-	-	309	U 5....380/12T	3,2	138,1	129,4	125,9	117,4	106	91,2	70,1	42,2	

U 7... SV/SLX				P1 (kW)	Q (m³/h - l/min)									
VSD			3~		0	2,4	3,6	4,8	6	7,2	8,4	9,6	10,8	
1 x 230 v					0	40	60	80	100	120	140	160	180	
EPIC	IPFC	IPFC			H (m)									
EPIC	109	306	U 7....180/4T	1,62	48,0	46,3	45,7	43,6	40,4	36,4	31,4	25,0	17,2	
EPIC	114	306	U 7....250/5T	2,05	60,3	59,0	58,2	55,7	52,2	47,4	41,3	33,5	23,5	
-	114	306	U 7....300/6T	2,44	71,8	70,0	68,9	65,7	61,3	55,4	48,1	38,5	26,0	
-	114	306	U 7....350/7T	2,84	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5	
-	-	309	U 7....400/8T	3,3	95,6	93,3	91,4	87,2	81,6	74,2	64,8	51,9	33,0	
-	-	309	U 7....450/9T	3,81	108,5	106,5	105,1	101,0	95,0	87,2	76,6	62,6	39,5	
-	-	309	U 7....550/10T	4,32	121,5	120,1	119,3	115,3	109,2	100,8	89,8	75,0	55,4	

U 9... SV/SLX				P1 (kW)	Q (m³/h - l/min)											
VSD			3~		0	3,6	4,8	6	7,2	8,4	9,6	10,8	12	13,2	14,4	15,6
					0	60	80	100	120	140	160	180	200	220	240	260
1 x 230 v		3 x 400 v			H (m)											
EPIC	IPFC	IPFC														
EPIC	109	306	U 9...-200/4T	1,77	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19,0	13,1	7,1
-	114	306	U 9...-250/5T	2,23	60	54,8	53,0	51	48,2	45,4	42	37,3	31,6	25	18,0	10,6
-	114	306	U 9...-300/6T	2,58	71,8	64,9	63,0	59,9	57,0	53,7	49,7	44,3	37,0	29,5	20,8	11,1
-	-	309	U 9...-400/7T	3,13	83,3	76,7	74,9	71,8	68,3	64,6	59,9	53,5	44,8	35,9	25,7	14,3
-	-	309	U 9...-450/8T	3,72	97,3	89,5	87,3	84	80,5	76,5	71,6	64,8	54,9	44,0	32,4	19,7
-	-	309	U 9...-500/9T	4,11	109,0	100,0	97,6	93,6	89,5	85,0	79,4	71,6	60,1	48,0	34,9	21,9
-	-	311	U 9...-550/10T	4,58	122,0	112,8	110,5	106,5	102,2	97,3	91,6	82,8	70,7	57,1	42,3	26,5

U 18... SV/SLX				P1 (kW)	Q (m³/h - l/min)																			
VSD		3~	0		6	7,2	8,4	9,6	10,8	12	13,2	14,4	15,6	16,8	18	19,2	20,4	21,6	22,8	24				
1 x 230 v	3 x 400 v		0		100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400				
IPFC	IPFC		H (m)																					
114	306	U 18....250/3T	2,29	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9				
114	306	U 18....400/4T	3,11	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28,0	25,1	22,1	18,1				
-	309	U 18....450/5T	3,79	58,1	54,3	53,1	51,8	50,4	49,0	47,4	45,9	44,3	42,7	41,0	39,2	37,0	34,0	30,8	26,9	23,0				
-	311	U 18....550/6T	4,63	70,5	66,4	65,0	63,6	62,0	60,5	58,9	57,2	55,4	53,5	51,5	49,3	46,3	43,3	39,4	34,9	30,4				
-	314	U 18....750/8T	6,15	95,9	90,9	89,58	88,0	86,1	83,9	81,6	79,5	76,8	74,4	71,8	68,5	65,0	60,4	55,2	49,0	42,2				
-	318	U 18....900/9T	7	106,4	101,8	100,4	98,6	96,1	93,5	91,0	88,2	85,5	82,7	79,7	76,2	72,1	66,9	60,8	53,7	46,1				

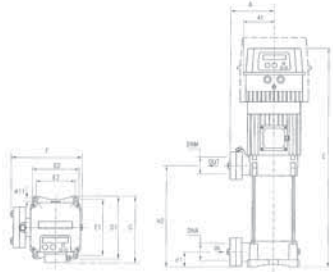


SV – cast iron top and bottom pump housings.

SLX – stainless steel top and bottom pump housings.

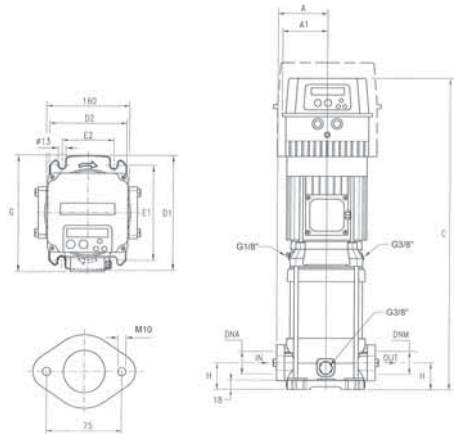
Prices on application

-ULTRA SV+VSD BOOSTER SET-
STAINLESS STEEL IMPELLERS & DIFFUSERS



U 3 SV	DIMENSIONS (mm)											DNA	DNM
	A	A1	C	D1	D2	E1	E2	F	G	H1	H2		
100/5	135	90	641	204	162	178,5	125	229	213	40	178	1"1/4G	1"1/4G
120/6	135	90	665	204	162	178,5	125	229	213	40	202		
150/7	135	90	719	204	162	178,5	125	229	220	40	226		
180/8	135	90	743	204	162	178,5	125	229	220	40	250		
200/9	135	90	767	204	162	178,5	125	229	220	40	274		
250/10	135	90	791	204	162	178,5	125	229	220	40	298		
280/11	135	90	M 860 T 815	204	162	178,5	125	229	M 228 T 220	40	322	1"1/4G	1"1/4G
300/12	135	90	M 884 T 839	204	162	178,5	125	229	M 228 T 220	40	346		
U 5 SV	DIMENSIONS (mm)											DNA	DNM
	A	A1	C	D1	D2	E1	E2	F	G	H1	H2		
120/4	135	90	617	204	162	178,5	125	229	213	40	178	1"1/4G	1"1/4G
150/5	135	90	671	204	162	178,5	125	229	220	40	202		
180/6	135	90	695	204	162	178,5	125	229	220	40	226		
200/7	135	90	719	204	162	178,5	125	229	220	40	250		
250/8	135	90	743	204	162	178,5	125	229	220	40	274		
280/9	135	90	M 812 T 767	204	162	178,5	125	229	M 228 T 220	40	298		
300/10	135	90	M 836 T 791	204	162	178,5	125	229	M 228 T 220	40	322	1"1/4G	1"1/4G
350/11	135	90	860	204	162	178,5	125	229	228	40	346		
380/12	135	90	884	204	162	178,5	125	229	228	40	370		
U 7 SV	DIMENSIONS (mm)											DNA	DNM
	A	A1	C	D1	D2	E1	E2	F	G	H1	H2		
180/4	135	90	647	204	162	178,5	125	229	220	40	178	1"1/4G	1"1/4G
250/5	135	90	671	204	162	178,5	125	229	220	40	202		
300/6	135	90	M 740 T 695	204	162	178,5	125	229	M 228 T 220	40	226		
350/7	135	90	764	204	162	178,5	125	229	228	40	250		
400/8	135	90	788	204	162	178,5	125	229	228	40	274		
450/9	135	90	845	204	162	178,5	125	235	243	40	301		
550/10	135	90	869	204	162	178,5	125	235	243	40	325	1"1/2G	1"1/4G
U 9 SV	DIMENSIONS (mm)											DNA	DNM
	A	A1	C	D1	D2	E1	E2	F	G	H1	H2		
200/4	135	90	671	204	162	178,5	125	229	220	40	202	1"1/2G	1"1/4G
250/5	135	90	701	204	162	178,5	125	229	220	40	232		
300/6	135	90	M 776 T 731	204	162	178,5	125	229	M 228 T 220	40	262		
400/7	135	90	806	204	162	178,5	125	229	228	40	292		
450/8	135	90	869	204	162	178,5	125	235	243	40	325		
500/9	135	90	899	204	162	178,5	125	235	243	40	355		
550/10	135	90	929	204	162	178,5	125	235	243	40	385	2"G	1"1/2G
U 18 SV	DIMENSIONS (mm)											DNA	DNM
	A	A1	C	D1	D2	E1	E2	F	G	H1	H2		
250/3T	135	90	679	204	162	178,5	125	229	220	50	211		
400/4T	135	90	762	204	162	178,5	125	229	228	50	248		
450/5T	135	90	833	204	162	178,5	125	235	243	50	289		
550/6T	135	90	870	204	162	178,5	125	235	243	50	326		
750/8T	135	130	991	204	162	178,5	125	255	253	50	401		
900/9T	135	130	1029	204	162	178,5	125	255	253	50	439		

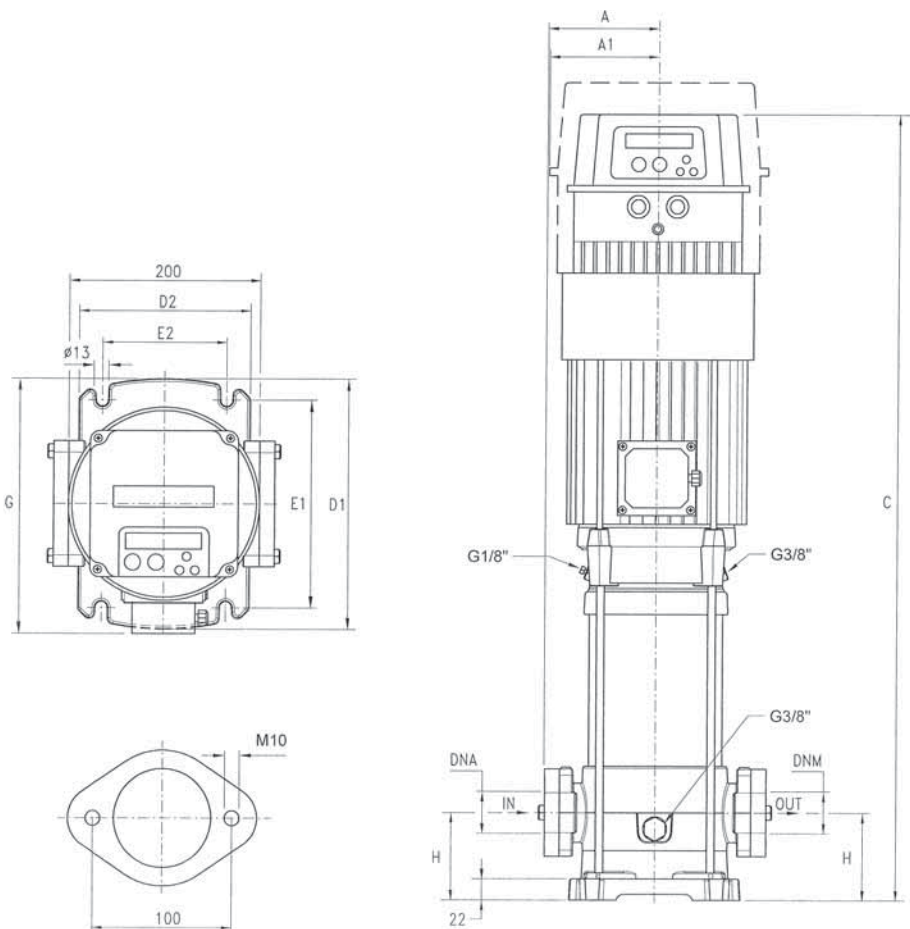
-ULTRA SLX+VSD BOOSTER SET-
STAINLESS STEEL IMPELLERS & DIFFUSERS



U 3 SLX	DIMENSIONS (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
100/5	98	90	657	220	150	180	100	228	50	1"1/4G	1"1/4G
120/6	98	90	681	220	150	180	100	228	50		
150/7	98	90	735	220	150	180	100	228	50		
180/8	98	90	759	220	150	180	100	228	50		
200/9	98	90	783	220	150	180	100	228	50		
250/10	98	90	807	220	150	180	100	228	50		
280/11	98	90	M 876	220	150	180	100	M 236	50		
			T 831					T 228			
300/12	98	90	M 900	220	150	180	100	M 236	50		
			T 855					T 228			
U 5 SLX	DIMENSIONS (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
120/4	98	90	633	220	150	180	100	221	50	1"1/4G	1"1/4G
150/5	98	90	687	220	150	180	100	228	50		
180/6	98	90	711	220	150	180	100	228	50		
200/7	98	90	735	220	150	180	100	228	50		
250/8	98	90	759	220	150	180	100	228	50		
280/9	98	90	M 826	220	150	180	100	M 236	50		
			T 783					T 228			
300/10	98	90	M 852	220	150	180	100	M 236	50		
			T 807					T 228			
350/11	98	90	876	220	150	180	100	236	50		
380/12	98	90	900	220	150	180	100	236	50		
U 7 SLX	DIMENSIONS (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
180/4	98	90	663	220	150	180	100	228	50	1"1/4G	1"1/4G
250/5	98	90	687	220	150	180	100	228	50		
300/6	98	90	M 754	220	150	180	100	M 236	50		
			T 714					T 228			
350/7	98	90	780	220	150	180	100	236	50		
400/8	98	90	804	220	150	180	100	236	50		
450/9	98	90	861	220	150	180	100	251	50		
550/10	98	90	885	220	150	180	100	251	50		

- **ULTRA SLX+VSD BOOSTER SET**
STAINLESS STEEL IMPELLERS & DIFFUSERS

DIMENSIONS



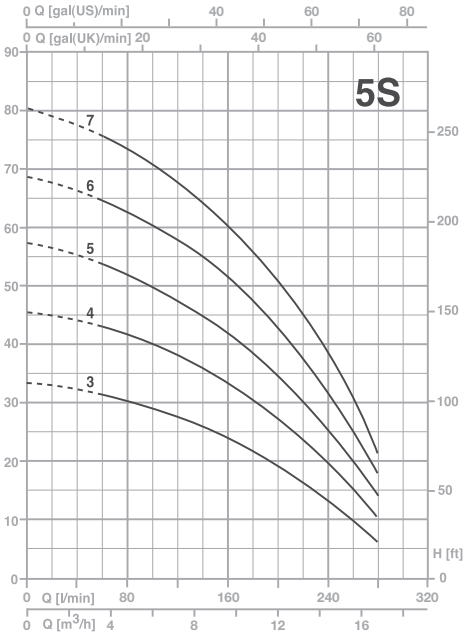
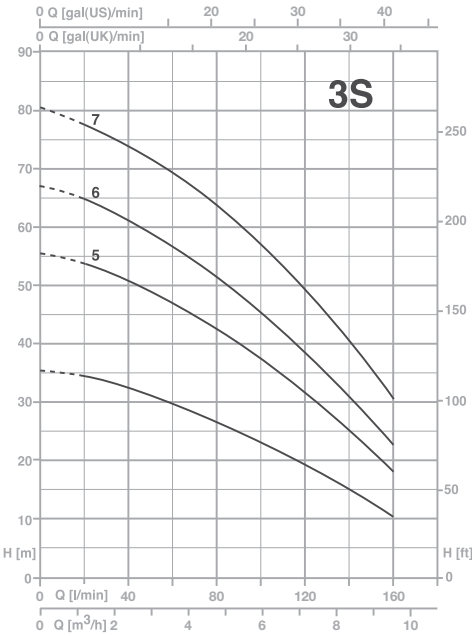
U 9 SLX	DIMENSIONS (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
200/4	118	90	718	260	180	215	130	248	80	1"1/2G	1"1/2G
250/5	118	90	748	260	180	215	130	248	80		
300/6	118	90	M 821	260	180	215	130	M 256	80		
			T 781					T 248			
400/7	118	90	853	260	180	215	130	256	80		
450/8	118	90	916	260	180	215	130	271	80		
500/9	118	90	946	260	180	215	130	271	80		
550/10	118	90	976	260	180	215	130	271	80		
U 18 SLX	DIMENSIONS (mm)									DNA	DNM
	A	A1	C	D1	D2	E1	E2	G	H		
250/3T	118	90	720	260	180	215	130	251	90	2"G	2"G
400/4T	118	90	803	260	180	215	130	257	90		
450/5T	118	90	874	260	180	215	130	271	90		
550/6T	118	90	911	260	180	215	130	271	90		
750/8T	118	130	1032	260	180	215	130	280	90		
900/9T	118	130	1070	260	180	215	130	280	90		

-2 ULTRA S BOOSTER SET TWIN VSD
STAINLESS STEEL IMPELLERS & DIFFUSERS



USING WRAS APPROVED PUMPS

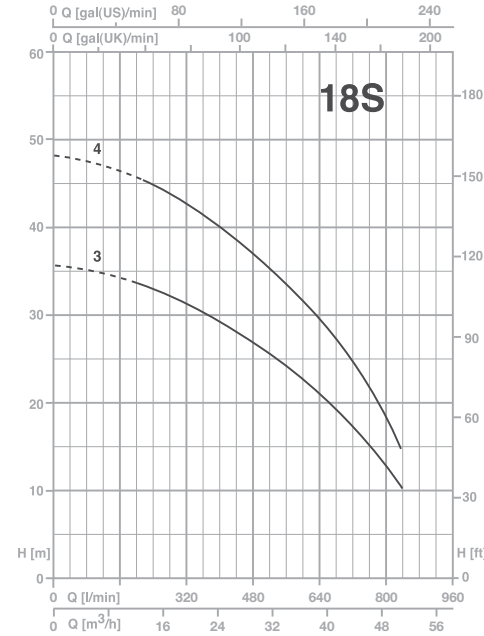
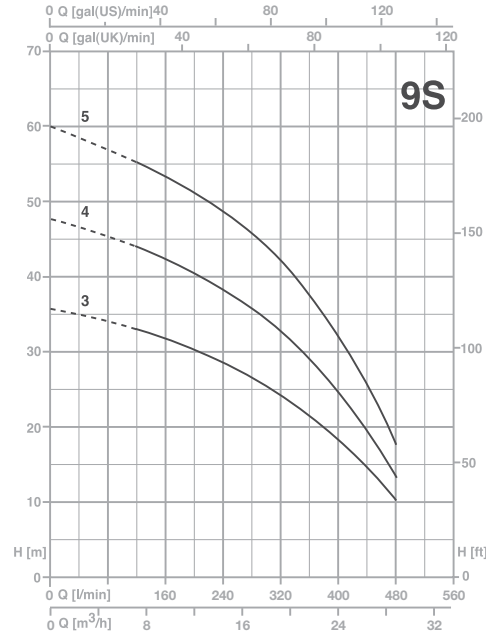
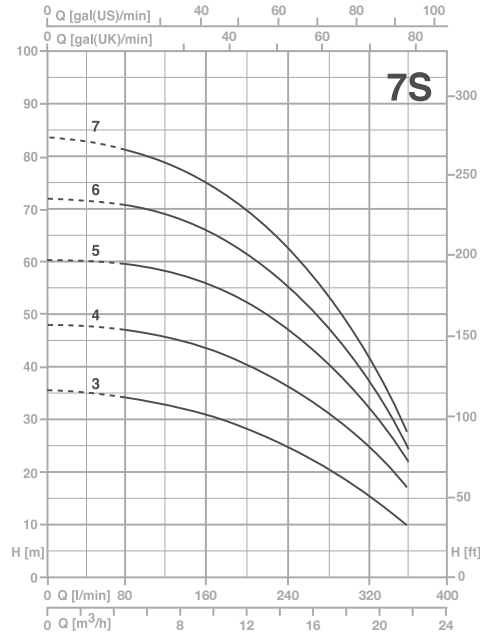
TYPE	DIMENSIONS (mm)								 Kg
	A	B	H	D	H1	H2	DNA	DNM	
2 U 3S-90/4T+	884	520	738	423	178	376	2"	1"1/2 G	45
2 U 3S-100/5T+	884	520	738	423	178	376	2"	1"1/2 G	45
2 U 3S-120/6T+	884	520	738	423	178	376	2"	1"1/2 G	45
2 U 3S-150/7T+	884	520	738	423	178	376	2"	1"1/2 G	45
2 U 5S-80/3T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 5S-120/4T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 5S-150/5T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 5S-180/6T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 5S-200/7T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 7S-120/3T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 7S-180/4T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 7S-250/5T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 7S-300/6T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 7S-350/7T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 9S-150/3T+	860	520	738	399	178	376	2"	1"1/2 G	45
2U 9S-200/4T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 9S-250/5T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 18S-250/3T+	860	520	738	399	178	376	2"	1"1/2 G	45
2 U 18S-400/4T+	860	520	738	399	178	376	2"	1"1/2 G	45



TYPE		P2		P1 (kW)		AMPERE	
1~	3~	(HP)	(kW)	1~	3~	1~	3~
						1x230 V 50 Hz	3x400 V 50 Hz
2 U 3S-90/4T+EPIC 230v	2 U 3S-90/4T+IPFC 306 400v	2x0,9	2x0,66	2x0,83	2x0,8	2x3,6	2x1,7
2 U 3S-100/5T+EPIC 230v	2 U 3S-100/5T+IPFC 306 400v	2x1	2x0,75	2x0,99	2x0,92	2x4,4	2x1,7
2 U 3S-120/6T+EPIC 230v	2 U 3S-120/6T+IPFC 306 400v	2x1,2	2x0,9	2x1,11	2x1,11	2x5,1	2x2,5
2 U 3S-150/7T+EPIC 230v	2 U 3S-150/7T+IPFC 306 400v	2x1,5	2x1,1	2x1,38	2x1,31	2x6,4	2x2,7

TYPE		P2		P1 (kW)		AMPERE	
1~	3~	(HP)	(kW)	1~	3~	1~	3~
						1x230 V 50 Hz	3x400 V 50 Hz
2 U 5S-80/3T+EPIC 230v	2 U 5S-80/4T+IPFC 306 400v	2x0,8	2x0,6	2x0,8	2x0,75	2x3,8	2x1,4
2 U 5S-120/4T+EPIC 230v	2 U 5S-120/4T+IPFC 306 400v	2x1,2	2x0,9	2x1,09	2x1,08	2x4,9	2x2,4
2 U 5S-150/5T+EPIC 230v	2 U 5S-150/5T+IPFC 306 400v	2x1,5	2x1,1	2x1,39	2x1,31	2x6,5	2x2,7
2 U 5S-180/6T+EPIC 230v	2 U 5S-180/6T+IPFC 306 400v	2x1,8	2x1,3	2x1,63	2x1,55	2x7,3	2x3
2 U 5S-200/7T+EPIC 230v	2 U 5S-200/7T+IPFC 306 400v	2x2	2x1,5	2x1,94	2x1,67	2x8,7	2x3,3

2 ULTRA S BOOSTER SET TWIN VSD STAINLESS STEEL IMPELLERS & DIFFUSERS



TYPE		P2		P1 (kW)		AMPERE	
1~	3~	(HP)	(kW)	1~	3~	1~	3~
						1x230 V 50 Hz	3x400 V 50 Hz
2 U 7S-120/3T+EPIC 230v	2 U 7S-120/3T+IPFC 306 400v	2x1,2	2x0,9	2x1,23	2x1,22	2x5,6	2x2,5
2 U 7S-180/4T+EPIC 230v	2 U 7S-180/4T+IPFC 306 400v	2x1,8	2x1,3	2x1,69	2x1,62	2x7,7	2x3,1
-	2 U 7S-250/5T+IPFC 306 400v	2x2,5	2x1,85	-	2x2,05	-	2x4,1
-	2 U 7S-300/6T+IPFC 306 400v	2x3	2x2,2	-	2x2,44	-	2x4,8
-	2 U 7S-350/7T+IPFC 306 400v	2x3,5	2x2,57	-	2x2,84	-	2x5,1

TYPE		P2		P1 (kW)		AMPERE	
1~	3~	(HP)	(kW)	1~	3~	1~	3~
						1x230 V 50 Hz	3x400 V 50 Hz
2 U 9S-150/3T+EPIC 230v	2 U 9S-150/3T+IPFC 306 400v	2x1,5	2x1,1	2x1,47	2x1,4	2x6,8	2x2,8
2 U 9S-200/4T+EPIC 230v	2 U 9S-200/4T+IPFC 306 400v	2x2	2x1,5	2x1,88	2x1,77	2x8,4	2x3,3
-	2 U 9S-250/5T+IPFC 306 400v	2x2,5	2x1,85	-	2x2,23	-	2x4,3

TYPE		P2		P1 (kW)		AMPERE	
1~	3~	(HP)	(kW)	1~	3~	1~	3~
						1x230 V 50 Hz	3x400 V 50 Hz
-	2 U 18S-250/3T+IPFC 306 400v	2x2,5	2x1,85	-	2x2,29	-	2x4,4
-	2 U 18S-400/4T+IPFC 309 400v	2x4	2x3	-	2x3,11	-	2x5,7

TYPE 2 ULTRA S BOOSTER SET		1 x 230v	1 x 400v
1~	3~	CODE	CODE
2 U 3S-90/4T+EPIC 230v	2 U 3S-90/4T+IPFC 306 400v	1100-0005	1100-0070
2 U 3S-100/5T+EPIC 230v	2 U 3S-100/5T+IPFC 306 400v	1100-0010	1100-0075
2 U 3S-120/6T+EPIC 230v	2 U 3S-120/6T+IPFC 306 400v	1100-0015	1100-0080
2 U 3S-150/7T+EPIC 230v	2 U 3S-150/7T+IPFC 306 400v	1100-0020	1100-0085
2 U 5S-80/3T+EPIC 230v	2 U 5S-80/3T+IPFC 306 400v	1100-0025	1100-0090
2 U 5S-120/4T+EPIC 230v	2 U 5S-120/4T+IPFC 306 400v	1100-0030	1100-0095
2 U 5S-150/5T+EPIC 230v	2 U 5S-150/5T+IPFC 306 400v	1100-0035	1100-0100
2 U 5S-180/6T+EPIC 230v	2 U 5S-180/6T+IPFC 306 400v	1100-0040	1100-0105
2 U 5S-200/7T+EPIC 230v	2 U 5S-200/7T+IPFC 306 400v	1100-0045	1100-0110
2 U 7S-120/3T+EPIC 230v	2 U 7S-120/3T+IPFC 306 400v	1100-0050	1100-0115
2 U 7S-180/4T+EPIC 230v	2 U 7S-180/4T+IPFC 306 400v	1100-0055	1100-0120
-	2 U 7S-250/5T+IPFC 306 400v	-	1100-0125
-	2 U 7S-300/6T+IPFC 306 400v	-	1100-0130
-	2 U 7S-350/7T+IPFC 306 400v	-	1100-0135
2 U 9S-150/3T+EPIC 230v	2 U 9S-150/3T+IPFC 306 400v	1100-0060	1100-0140
2 U 9S-200/4T+EPIC 230v	2 U 9S-200/4T+IPFC 306 400v	1100-0065	1100-0145
-	2 U 9S-250/5T+IPFC 306 400v	-	1100-0150
-	2 U 18S-250/3T+IPFC 306 400v	-	1100-0160
-	2 U 18S-400/4T+IPFC 309 400v	-	1100-0165

-2 ULTRA SV/SLX+VSD BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS



2 U 3... SV/SLX				P1 (kW)	Q (m³/h - l/min)							
VSD			3~		0	1,2	2,4	3,6	4,8	7,2	9,6	
1 x 230 v		3 x 400 v			0	20	40	60	80	120	160	
EPIC	IPFC	IPFC			H (m)							
EPIC	109	306	U 3...-100/5T	2x0,9	55,3	53,5	50,3	46,5	42,1	31,6	17,7	
EPIC	109	306	U 3...-120/6T	2x1,1	66,6	64,4	60,8	56,0	50,7	38,1	22,4	
EPIC	109	306	U 3...-150/7T	2x1,3	80,1	77,7	74,2	69,1	63,3	48,8	30,0	
EPIC	109	306	U 3...-180/8T	2x1,5	91,5	88,8	84,8	79,0	72,3	55,8	34,3	
EPIC	109	306	U 3...-200/9T	2x1,6	103,0	99,9	95,4	88,8	81,4	62,7	38,6	
EPIC	114	306	U 3...-250/10T	2x1,8	114,4	111,0	106,0	98,7	90,4	69,7	42,9	
EPIC	114	306	U 3...-280/11T	2x2,0	125,9	122,1	116,6	108,6	99,5	76,7	47,1	
-	114	306	U 3...-300/12T	2x2,2	137,3	133,2	127,2	118,5	108,5	83,7	51,4	

2 U 5... SV/SLX				P1 (kW)	Q (m³/h - l/min)							
VSD			3~		0	3,6	4,8	7,2	9,6	12	14,4	16,8
1 x 230 v		3 x 400 v			0	60	80	120	160	200	240	280
EPIC	IPFC	IPFC			H (m)							
				3~								
EPIC	109	306	U 5...-120/4T	2x1,09	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
EPIC	109	306	U 5...-150/5T	2x1,31	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14,0
EPIC	109	306	U 5...-180/6T	2x1,55	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1
EPIC	109	306	U 5...-200/7T	2x1,77	81	75,5	73,0	67,4	60,3	51,0	38,6	21,0
EPIC	114	306	U 5...-250/8T	2x2,07	92,1	86,5	84,0	77,8	70,1	60	45,5	26
-	114	306	U 5...-280/9T	2x2,27	103,4	96,7	93,5	86	77,1	65,6	48,7	27,6
-	114	306	U 5...-300/10T	2x2,57	114,2	106,4	102,9	95,2	85,2	72,0	53,3	30
-	114	306	U 5...-350/11T	2x2,76	125,1	115,7	111,8	102,6	91,6	77,1	57,1	30,7
-	-	309	U 5...-380/12T	2x3,2	138,1	129,4	125,9	117,4	106	91,2	70,1	42,2

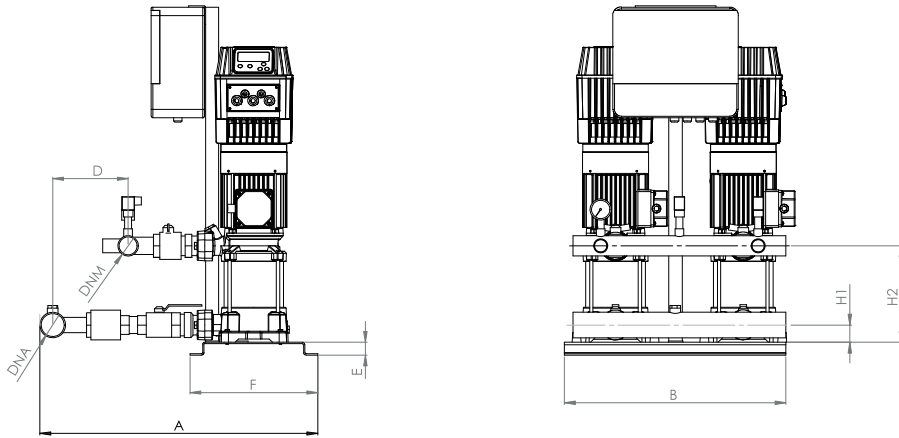
2 U 7... SV/SLX				P1 (kW)	Q (m³/h - l/min)								
VSD			3~		0	4,8	7,2	9,6	12	14,4	16,8	19,2	21,6
1 x 230 v					0	80	120	160	200	240	280	320	360
EPIC	IPFC	IPFC			H (m)								
EPIC	109	306	U 7...-180/4T	2x1,62	48,0	46,3	45,7	43,6	40,4	36,4	31,4	25,0	17,2
EPIC	114	306	U 7...-250/5T	2x2,05	60,3	59,0	58,2	55,7	52,2	47,4	41,3	33,5	23,5
-	114	306	U 7...-300/6T	2x2,44	71,8	70,0	68,9	65,7	61,3	55,4	48,1	38,5	26,0
-	114	306	U 7...-350/7T	2x2,84	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5
-	-	309	U 7...-400/8T	2x3,3	95,6	93,3	91,4	87,2	81,6	74,2	64,8	51,9	33,0
-	-	309	U 7...-450/9T	2x3,81	108,5	106,5	105,1	101,0	95,0	87,2	76,6	62,6	39,5
-	-	309	U 7...-550/10T	2x4,32	121,5	120,1	119,3	115,3	109,2	100,8	89,8	75,0	55,4

2 U 9... SV/SLX				P1 (kW)	Q (m³/h - l/min)												
VSD			3~		0	7,2	9,6	12	14,4	16,8	19,2	22	24	26,4	28,8	31,2	
1 x 230 v		3 x 400 v			0	120	160	200	240	280	320	360	400	440	480	520	
EPIC	IPFC	IPFC			H (m)												
EPIC	109	306	U 9...-200/4T	2x1,77	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19,0	13,1	7,1	
-	114	306	U 9...-250/5T	2x2,23	60	54,8	53,0	51	48,2	45,4	42	37,3	31,6	25	18,0	10,6	
-	114	306	U 9...-300/6T	2x2,58	71,8	64,9	63,0	59,9	57,0	53,7	49,7	44,3	37,0	29,5	20,8	11,1	
-	-	309	U 9...-400/7T	2x3,13	83,3	76,7	74,9	71,8	68,3	64,6	59,9	53,5	44,8	35,9	25,7	14,3	
-	-	309	U 9...-450/8T	2x3,72	97,3	89,5	87,3	84	80,5	76,5	71,6	64,8	54,9	44,0	32,4	19,7	
-	-	309	U 9...-500/9T	2x4,11	109,0	100,0	97,6	93,6	89,5	85,0	79,4	71,6	60,1	48,0	34,9	21,5	
-	-	311	U 9...-550/10T	2x4,58	122,0	112,8	110,5	106,5	102,2	97,3	91,6	82,8	70,7	57,1	42,3	26,9	

2 U 18... SV/SLX			P1 (kW)	Q (m³/h - l/min)																	
VSD		3~		0	12	14,4	16,8	19,2	21,6	24	26,4	28,8	31,2	33,6	36	38,4	40,8	43,2	45,6	48	
1 x 230 v / 3 x 400 v				0	200	240	280	320	360	400	440	480	520	560	600	640	680	720	760	800	
IPFC	IPFC		3~	H (m)																	
114	306	U 18...-250/3T	2x2,29	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9	
114	309	U 18...-400/4T	2x3,11	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28,0	25,1	22,1	18,9	
-	309	U 18...-450/5T	2x3,79	58,1	54,3	53,1	51,8	50,4	49,0	47,4	45,9	44,3	42,7	41,0	39,2	37,0	34,0	30,8	26,9	23,3	
-	311	U 18...-550/6T	2x4,63	70,5	66,4	65,0	63,6	62,0	60,5	58,9	57,2	55,4	53,5	51,5	49,3	46,3	43,3	39,4	34,9	30,4	
-	314	U 18...-750/8T	2x6,15	95,9	90,9	89,58	88,0	86,1	83,9	81,6	79,5	76,8	74,4	71,8	68,5	65,0	60,4	55,2	49,0	42,5	
-	318	U 18...-900/9T	2x7	106,4	101,8	100,4	98,6	96,1	93,5	91,0	88,2	85,5	82,7	79,7	76,2	72,1	66,9	60,8	53,7	46,6	

-2 ULTRA SV+VSD BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS



2 U 3SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
100/5	580	520	110	30	300	40	178	2" G	1" 1/2 G
120/6	580	520	110	30	300	40	202		
150/7	580	520	110	30	300	40	226		
180/8	580	520	110	30	300	40	250		
200/9	580	520	110	30	300	40	274		
250/10	580	520	110	30	300	40	298		
280/11	580	520	110	30	300	40	322		
300/12	580	520	110	30	300	40	346		

2 U 5SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
120/4	580	520	110	30	300	40	178	2" G	1" 1/2 G
150/5	580	520	110	30	300	40	202		
180/6	580	520	110	30	300	40	226		
200/7	580	520	110	30	300	40	250		
250/8	580	520	110	30	300	40	274		
280/9	580	520	110	30	300	40	298		
300/10	580	520	110	30	300	40	322		
350/11	580	520	110	30	300	40	346		
380/12	580	520	110	30	300	40	370		

2 U 7SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
180/4	630	520	145	30	300	40	178	2" 1/2 G	2" G
250/5	630	520	145	30	300	40	202		
300/6	630	520	145	30	300	40	226		
350/7	630	520	145	30	300	40	250		
400/8	630	520	145	30	300	40	274		
450/9	630	520	145	30	300	40	301		
550/10	630	520	145	30	300	40	325		

2 U 9SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
200/4	630	520	145	30	300	40	202	2" 1/2 G	2" G
250/5	630	520	145	30	300	40	232		
300/6	630	520	145	30	300	40	262		
400/7	630	520	145	30	300	40	292		
450/8	630	520	145	30	300	40	325		
500/9	630	520	145	30	300	40	355		
550/10	630	520	145	30	300	40	385		

2 U 18SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
250/3	—	520	165	30	300	50	211	3" G	2" 1/2 G
400/4	—	520	165	30	300	50	248		
450/5	—	520	165	30	300	50	289		
550/6	—	520	165	30	300	50	326		
750/8	—	520	165	30	300	50	401		
900/9	—	520	165	30	300	50	439		

Prices on application

-2 ULTRA SLX+VSD BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS

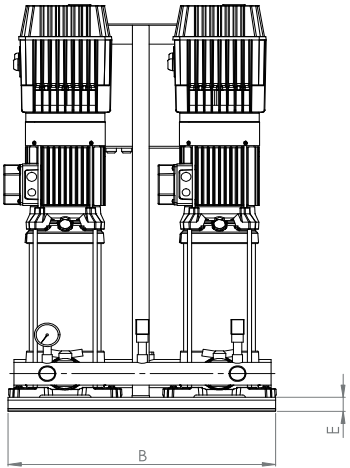
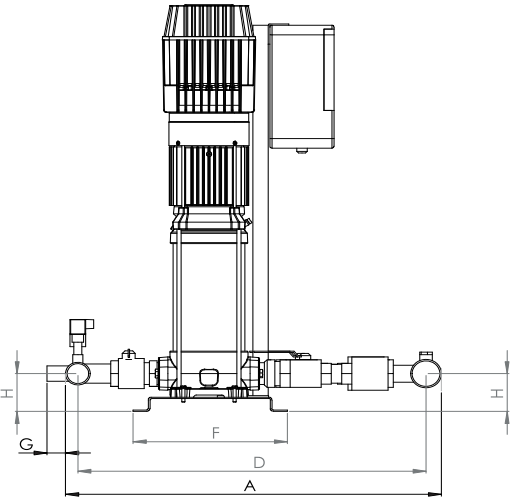
2 U 3 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
100/5	660	520	610	30	300	30	50	2" G	1" 1/2 G
120/6	660	520	610	30	300	30	50		
150/7	660	520	610	30	300	30	50		
180/8	660	520	610	30	300	30	50		
200/9	660	520	610	30	300	30	50		
250/10	660	520	610	30	300	30	50		
280/11	660	520	610	30	300	30	50		
300/12	660	520	610	30	300	30	50		

2 U 5 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
120/4	660	520	610	30	300	30	50	2" G	1" 1/2 G
150/5	660	520	610	30	300	30	50		
180/6	660	520	610	30	300	30	50		
200/7	660	520	610	30	300	30	50		
250/8	660	520	610	30	300	30	50		
280/9	660	520	610	30	300	30	50		
300/10	660	520	610	30	300	30	50		
350/11	660	520	610	30	300	30	50		
380/12	660	520	610	30	300	30	50		

2 U 7 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
180/4	755	520	685	30	300	30	50	2" 1/2 G	2" G
250/5	755	520	685	30	300	30	50		
300/6	755	520	685	30	300	30	50		
350/7	755	520	685	30	300	30	50		
400/8	755	520	685	30	300	30	50		
450/9	755	520	685	30	300	30	50		
550/10	755	520	685	30	300	30	50		

2 U 9 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
200/4	785	566	715	30	300	30	80	2" 1/2 G	2" G
250/5	785	566	715	30	300	30	80		
300/6	785	566	715	30	300	30	80		
400/7	785	566	715	30	300	30	80		
450/8	785	566	715	30	300	30	80		
500/9	785	566	715	30	300	30	80		
550/10	785	566	715	30	300	30	80		

2 U 18 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
250/3	840	566	760	30	300	30	90	3" G	2" 1/2 G
400/4	840	566	760	30	300	30	90		
450/5	840	566	760	30	300	30	90		
550/6	840	566	760	30	300	30	90		
750/8	840	566	760	30	300	30	90		
900/9	840	566	760	30	300	30	90		



-3 ULTRA SLX+VSD BOOSTER SET STAINLESS STEEL IMPELLERS & DIFFUSERS

3 U 18... SV/SLX			P1 (kW)	Q (m³/h - l/min)																	
VSD		3~		0	18	21,6	25,2	28,8	32,4	36	39,6	43,2	46,8	50,4	54	57,6	61,2	64,8	68,4	72	
1 x 230 v	3 x 400 v			0	300	360	420	480	540	600	660	720	780	840	900	960	1020	1080	1140	1200	
IPFC	IPFC			H (m)																	
114	306	U 18...-250/3T	3x2,29	35,7	33,1	32,3	31,3	30,4	29,4	28,4	27,4	26,3	25,1	24	22,8	21,4	19,6	17,8	15,4	12,9	
114	309	U 18...-400/4T	3x3,11	47,9	45	44	42,8	41,7	40,5	39,1	37,8	36,6	35,2	33,9	32,2	30,2	28,0	25,1	22,1	18,1	
-	309	U 18...-450/5T	3x3,79	58,1	54,3	53,1	51,8	50,4	49,0	47,4	45,9	44,3	42,7	41,0	39,2	37,0	34,0	30,8	26,9	23,0	
-	311	U 18...-550/6T	3x4,63	70,5	66,4	65,0	63,6	62,0	60,5	58,9	57,2	55,4	53,5	51,5	49,3	46,3	43,3	39,4	34,9	30,4	
-	314	U 18...-750/8T	3x6,15	95,9	90,9	89,58	88,0	86,1	83,9	81,6	79,5	76,8	74,4	71,8	68,5	65,0	60,4	55,2	49,0	42,2	
-	318	U 18...-900/9T	3x7	106,4	101,8	100,4	98,6	96,1	93,5	91,0	88,2	85,5	82,7	79,7	76,2	72,1	66,9	60,8	53,7	46,1	



3 ULTRA SLX+VSD BOOSTER SET STAINLESS STEEL IMPELLERS & DIFFUSERS

Prices on application

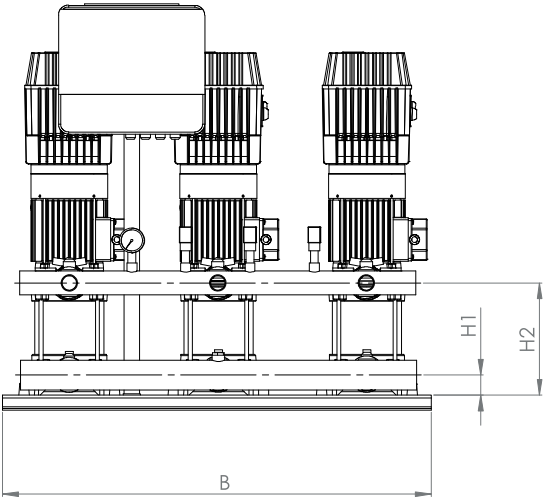
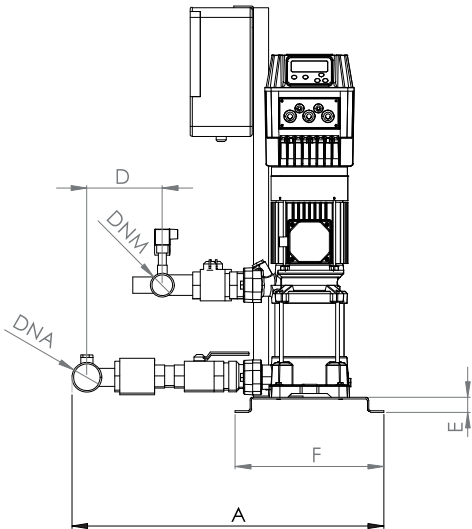
3 U 3... SV/SLX			P1 (kW)	Q (m³/h - l/min)							
VSD		3~		0	1,8	3,6	5,4	7,2	10,8	14,4	
1 x 230 v	3 x 400 v			0	30	60	90	120	180	240	
IPFC	IPFC			H (m)							
109	306	U 3...-100/5T	3x0,9	55,3	53,5	50,3	46,5	42,1	31,6	17,7	
109	306	U 3...-120/6T	3x1,1	66,6	64,4	60,8	56,0	50,7	38,1	22,4	
109	306	U 3...-150/7T	3x1,3	80,1	77,7	74,2	69,1	63,3	48,8	30,0	
109	306	U 3...-180/8T	3x1,5	91,5	88,8	84,8	79,0	72,3	55,8	34,3	
109	306	U 3...-200/9T	3x1,6	103,0	99,9	95,4	88,8	81,4	62,7	38,6	
114	306	U 3...-250/10T	3x1,8	114,4	111,0	106,0	98,7	90,4	69,7	42,9	
114	306	U 3...-280/11T	3x2,0	125,9	122,1	116,6	108,6	99,5	76,7	47,1	
114	306	U 3...-300/12T	3x2,2	137,3	133,2	127,2	118,5	108,5	83,7	51,4	

3 U 5... SV/SLX			P1 (kW)	Q (m³/h - l/min)							
VSD		3~		0	5,4	7,2	10,8	14,4	18	21,6	25,2
1 x 230 v	3 x 400 v			0	90	120	180	240	300	360	420
IPFC	IPFC			H (m)							
109	306	U 5...-120/4T	3x1,09	45,5	42,2	40,7	37,2	32,9	27,4	19,8	10,4
109	306	U 5...-150/5T	3x1,31	57,2	53,4	51,7	47,6	42,3	35,2	25,7	14,0
109	306	U 5...-180/6T	3x1,55	68,9	64,4	62,3	57,5	51,5	43,5	32,6	18,1
109	306	U 5...-200/7T	3x1,77	81	75,5	73,0	67,4	60,3	51,0	38,6	21,0
114	306	U 5...-250/8T	3x2,07	92,1	86,5	84,0	77,8	70,1	60	45,5	26
114	306	U 5...-280/9T	3x2,27	103,4	96,7	93,5	86	77,1	65,6	48,7	27,6
114	306	U 5...-300/10T	3x2,57	114,2	106,4	102,9	95,2	85,2	72,0	53,3	30
114	306	U 5...-350/11T	3x2,76	125,1	115,7	111,8	102,6	91,6	77,1	57,1	30,7
-	309	U 5...-380/12T	3x3,2	138,1	129,4	125,9	117,4	106	91,2	70,1	42,2

3 U 7... SV/SLX			P1 (kW)	Q (m³/h - l/min)									
VSD		3~		0	7,2	10,8	14,4	18	21,6	25,2	28,8	32,4	
				0	120	180	240	300	360	420	480	540	
1 x 230 v	3 x 400 v			H (m)									
IPFC	IPFC	3~											
109	306	U 7...-180/4T	3x1,62	48,0	46,3	45,7	43,6	40,4	36,4	31,4	25,0	17,2	
114	306	U 7...-250/5T	3x2,05	60,3	59,0	58,2	55,7	52,2	47,4	41,3	33,5	23,5	
114	306	U 7...-300/6T	3x2,44	71,8	70,0	68,9	65,7	61,3	55,4	48,1	38,5	26,0	
114	306	U 7...-350/7T	3x2,84	83,5	80,7	78,8	74,7	69,4	62,6	53,9	42,7	27,5	
-	309	U 7...-400/8T	3x3,3	95,6	93,3	91,4	87,2	81,6	74,2	64,8	51,9	33,0	
-	309	U 7...-450/9T	3x3,81	108,5	106,5	105,1	101,0	95,0	87,2	76,6	62,6	39,5	
-	309	U 7...-550/10T	3x4,32	121,5	120,1	119,3	115,3	109,2	100,8	89,8	75,0	55,4	

3 U 9... SV/SLX		3~	P1 (kW)	Q (m³/h - l/min)												
VSD				0	10,8	14,4	18	21,6	25,2	28,8	33	36	39,6	43,2	46,8	
1 x 230 v	3 x 400 v		0	180	240	300	360	420	480	540	600	660	720	780		
IPFC	IPFC		3~	H (m)												
109	306	U 9...-200/4T	3x1,77	47,6	43,5	42,1	40,1	38,1	35,7	32,7	28,9	24,2	19,0	13,1	7,1	
114	306	U 9...-250/5T	3x2,23	60	54,8	53,0	51	48,2	45,4	42	37,3	31,6	25	18,0	10,6	
114	306	U 9...-300/6T	3x2,58	71,8	64,9	63,0	59,9	57,0	53,7	49,7	44,3	37,0	29,5	20,8	11,1	
-	309	U 9...-400/7T	3x3,13	83,3	76,7	74,9	71,8	68,3	64,6	59,9	53,5	44,8	35,9	25,7	14,3	
-	309	U 9...-450/8T	3x3,72	97,3	89,5	87,3	84	80,5	76,5	71,6	64,8	54,9	44,0	32,4	19,7	
-	309	U 9...-500/9T	3x4,11	109,0	100,0	97,6	93,6	89,5	85,0	79,4	71,6	60,1	48,0	34,9	21,9	
-	311	U 9...-550/10T	3x4,58	122,0	112,8	110,5	106,5	102,2	97,3	91,6	82,8	70,7	57,1	42,3	26,5	

-3 ULTRA SV+VSD BOOSTER SET
STAINLESS STEEL IMPELLERS & DIFFUSERS



3 U 3 SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
100/5	580	866	110	30	300	40	178	2" G	1" 1/2 G
120/6	580	866	110	30	300	40	202		
150/7	580	866	110	30	300	40	226		
180/8	580	866	110	30	300	40	250		
200/9	580	866	110	30	300	40	274		
250/10	580	866	110	30	300	40	298		
280/11	580	866	110	30	300	40	322		
300/12	580	866	110	30	300	40	346		

3 U 5 SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
120/4	590	866	115	30	300	40	178	2" G	1" 1/2 G
150/5	590	866	115	30	300	40	202		
180/6	590	866	115	30	300	40	226		
200/7	590	866	115	30	300	40	250		
250/8	590	866	115	30	300	40	274		
280/9	590	866	115	30	300	40	298		
300/10	590	866	115	30	300	40	322		
350/11	590	866	115	30	300	40	346		
380/12	580	520	110	30	300	40	370		

3 U 7 SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
180/4	640	866	145	30	300	40	178	3" G	2" 1/2 G
250/5	640	866	145	30	300	40	202		
300/6	640	866	145	30	300	40	226		
350/7	640	866	145	30	300	40	250		
400/8	640	866	145	30	300	40	274		
450/9	640	866	145	30	300	40	301		
550/10	640	866	145	30	300	40	325		

3 U 9 SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
200/4	640	866	145	30	300	40	202	3" G	2" 1/2 G
250/5	640	866	145	30	300	40	232		
300/6	640	866	145	30	300	40	262		
400/7	640	866	145	30	300	40	292		
450/8	640	866	145	30	300	40	325		
500/9	640	866	145	30	300	40	355		
550/10	640	866	145	30	300	40	385		

3 U 18 SV	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	H1	H2		
250/3	–	866	170	30	300	50	211	4" G	3" G
400/4	–	866	170	30	300	50	248		
450/5	–	866	170	30	300	50	289		
550/6	–	866	170	30	300	50	326		
750/8	–	866	170	30	300	50	401		
900/9	–	866	170	30	300	50	439		

-3ULTRA SLX+VSD BOOSTER SET

STAINLESS STEEL IMPELLERS & DIFFUSERS

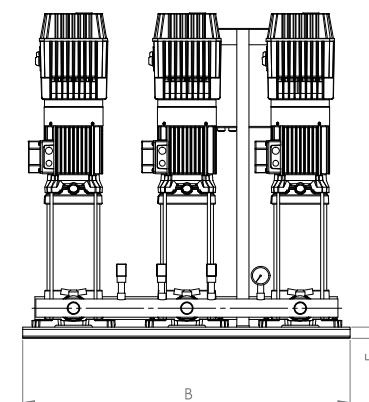
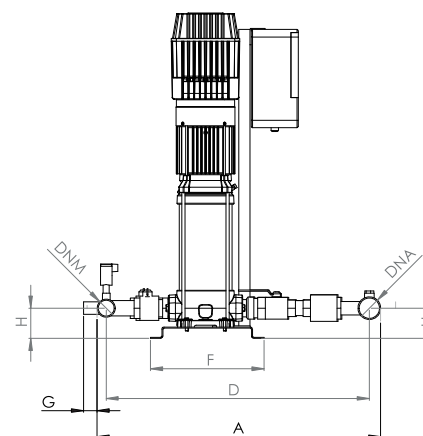
3 U 3 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
100/5	660	866	610	30	300	30	50	2" G	1" 1/2 G
120/6	660	866	610	30	300	30	50		
150/7	660	866	610	30	300	30	50		
180/8	660	866	610	30	300	30	50		
200/9	660	866	610	30	300	30	50		
250/10	660	866	610	30	300	30	50		
280/11	660	866	610	30	300	30	50		
300/12	660	866	610	30	300	30	50		

3 U 5 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
120/4	675	866	620	30	300	30	50	2" 1/2 G	2" G
150/5	675	866	620	30	300	30	50		
180/6	675	866	620	30	300	30	50		
200/7	675	866	620	30	300	30	50		
250/8	675	866	620	30	300	30	50		
280/9	675	866	620	30	300	30	50		
300/10	675	866	620	30	300	30	50		
350/11	675	866	620	30	300	30	50		
380/12	675	866	620	30	300	30	50		

3 U 7 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
180/4	770	866	695	30	300	30	50	3" G	2" 1/2 G
250/5	770	866	695	30	300	30	50		
300/6	770	866	695	30	300	30	50		
350/7	770	866	695	30	300	30	50		
400/8	770	866	695	30	300	30	50		
450/9	770	866	695	30	300	30	50		
550/10	770	866	695	30	300	30	50		

3 U 9 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
200/4	800	866	705	30	300	30	80	3" G	2" 1/2 G
250/5	800	866	705	30	300	30	80		
300/6	800	866	705	30	300	30	80		
400/7	800	866	705	30	300	30	80		
450/8	800	866	705	30	300	30	80		
500/9	800	866	705	30	300	30	80		
550/10	800	866	705	30	300	30	80		

3 U 18 SLX	DIMENSIONS (mm)							DNA	DNM
	A	B	D	E	F	G	H		
250/3	865	866	785	30	300	30	90	4" G	3" G
400/4	865	866	785	30	300	30	90		
450/5	865	866	785	30	300	30	90		
550/6	865	866	785	30	300	30	90		
750/8	865	866	785	30	300	30	90		
900/9	865	866	785	30	300	30	90		



DP



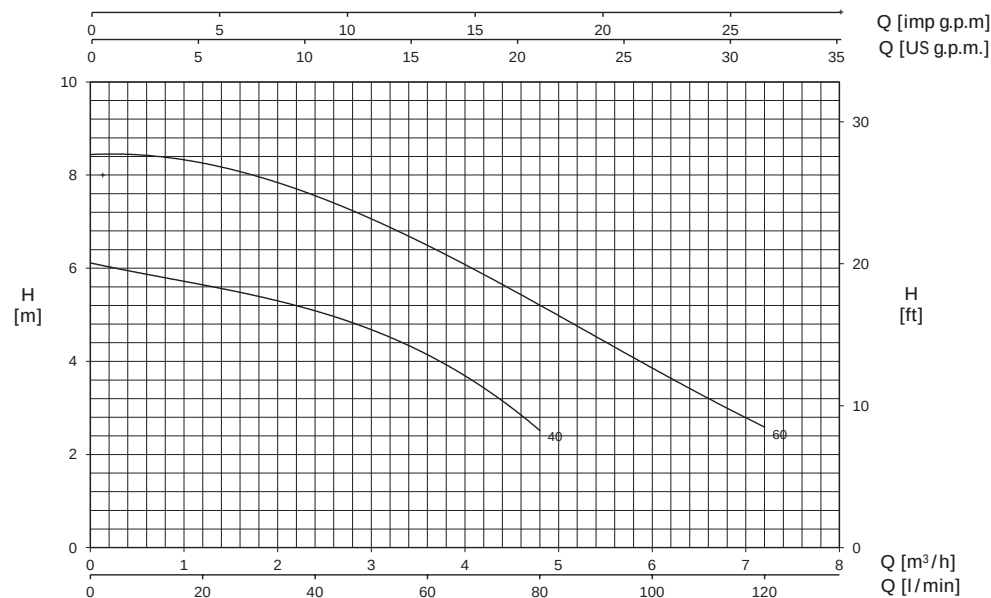
DP 40



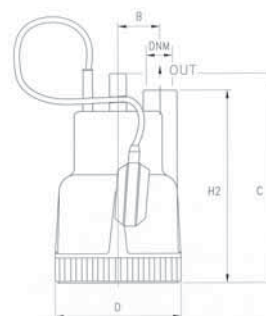
DP 60

Drainage pump for emptying pits and cisterns. Completely constructed in anticorrosive material.

CONSTRUCTION FEATURES	
Pump body	polypropylene
Impeller	Noryl®
Mechanical seal	double lip seal
Motor shaft	stainless steel AISI 416 with ceramic bush
Passage of solids	Ø max 4 mm
Depth of immersion	max 5 m
Liquid temperature	0 - 40 °C
Cable	H07 RNF, 10 m
G	float switch
MOTOR	
2 pole induction motor	1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP68

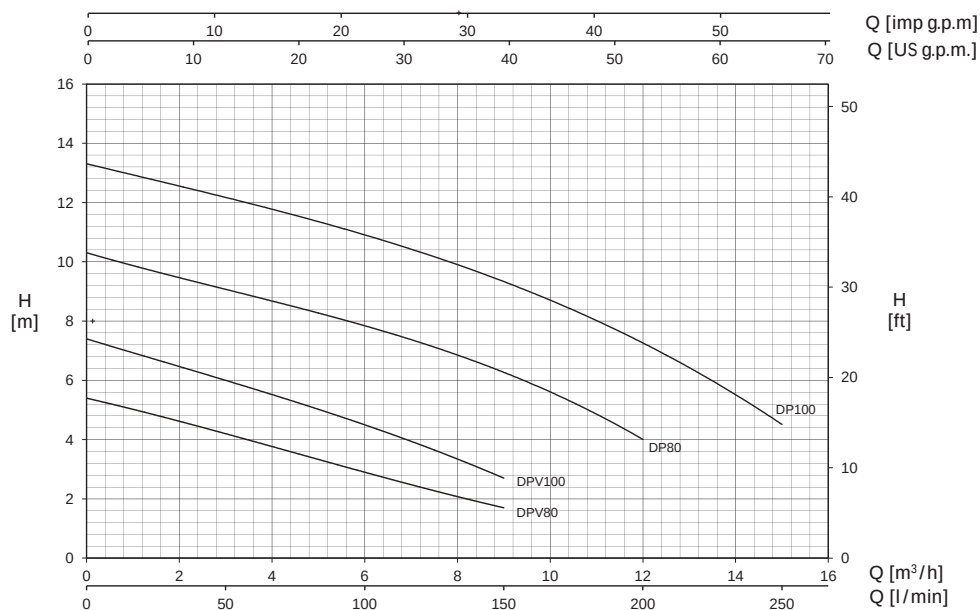


TYPE	W	AMPERE	Q (m³/h - l/min)							
			0	1,2	2,4	3,6	4,8	6	7,2	
		1~	0	20	40	60	80	100	120	
		1x230 v 50 Hz	H (m)							
DP 40 G	200	1	6,1	5,7	5	4,2	2,5	–	–	
DP 60 G	400	2,1	8,5	8,1	7,6	6,7	5	3,9	2,6	

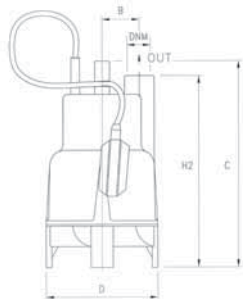


TYPE	1 x 230 v
1~	CODE
DP 40 G AUTO	1000-9015
DP 60 G AUTO	1000-9035

TYPE	DIMENSIONS (mm)					M L			Kg
	B	C	D	H2	DNM	I	L	M	
DP 40 G	50	250	150	230	1" G	170	200	320	3.2
DP 60 G	50	250	150	230	1" G	170	200	320	4.2



TYPE	W	AMPERE	Q (m³/h - l/min)					
1~		1~	0	3	6	9	12	15
		1x230 v 50 Hz	0	50	100	150	200	250
			H (m)					
DP 80 G	800	3,7	10,3	9,1	7,8	6,3	4	–
DP 100 G	1050	5,1	13,3	12,2	10,9	9,3	7,3	4,5
DPV 80 G	500	2,6	5,4	4,2	2,9	1,7	–	–
DPV 100 G	750	3,8	7,4	5,8	4,7	2,7	–	–



TYPE	1 x 230 v
1~	CODE
DP 80 G AUTO	1000-9055
DP 100 G AUTO	1000-9075
DPV 80 G AUTO	1000-9095
DPV 100 G AUTO	1000-9015

TYPE	DIMENSIONS (mm)					M L			Kg
	B	C	D	H2	DNM	I	L	M	
DP 80 G	55.5	296	176	276	1" 1/4 G	185	230	310	8.5
DPV 80 G	55.5	331	176	310	1" 1/4 G	185	230	345	8.5
DP 100 G	55.5	296	176	276	1" 1/4 G	185	230	310	10
DPV 100 G	55.5	331	176	310	1" 1/4 G	185	230	345	10

CONSTRUCTION FEATURES	
Pump body	polypropylene
Impeller	Noryl®
Mechanical seal	double lip seal
Motor shaft	stainless steel AISI 416 with ceramic bush
Passage of solids	Ø max 7 mm (DP) Ø max 15 mm (DPV)
Depth of immersion	max 5 m
Liquid temperature	0 - 40 °C
Cable	H07 RNF, 10 m
G	float switch
MOTOR	
2 pole induction motor	1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP68



DP/DPV 80



DP/DPV 100

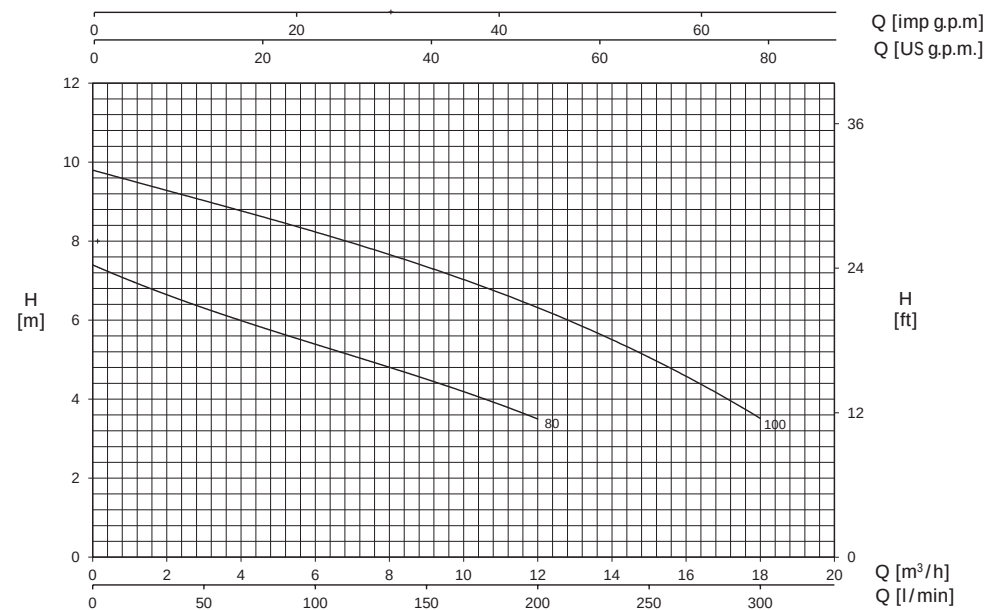
Drainage pump for emptying pits and cisterns. Completely constructed in anticorrosive material, brass insert on the delivery opening. Available in the Vortex version (DPV).

-DX



Drainage pump with set-back Vortex type impeller for pumping charged water and liquids with suspended solids, ideal for civil and household applications.

CONSTRUCTION FEATURES	
Pump body	stainless steel with openings 2"
Shell, motor cover, base support	stainless steel
Impeller	stainless steel set-back Vortex
Mechanical seal	double seal with oil barrier; silicon carbide on pump side, sealing ring on motor side
Motor shaft	stainless steel AISI 430
Passage of solids	Ø max 28 mm
Depth of immersion	max 5 m
Liquid temperature	0 - 40 °C
Cable	H07 RNF, 10 m
G	float switch
MOTOR	
2 pole induction motor	1~ 230V-50Hz with thermal protection
Insulation class	F
Protection degree	IP68

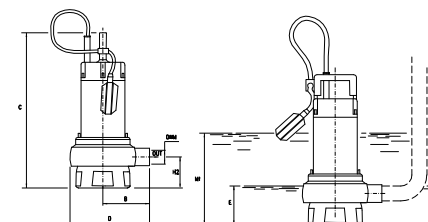


TYPE	W	AMPERE	Q (m³/h - l/min)						
1~		1~	0	3	6	9	12	15	18
			0	50	100	150	200	250	300
		1x230 v 50 Hz	H (m)						
DX 80 (G)	1050	4,7	7,4	6,3	5,4	4,5	3,5	–	–
DX 80/2 (G)	1050	4,7	7,4	6,3	5,4	4,5	3,5	–	–
DX 100 (G)	1350	6,2	9,8	9	8,3	7,3	6,3	5,1	3,5
DX 100/2 (G)	1350	6,2	9,8	9	8,3	7,3	6,3	5,1	3,5

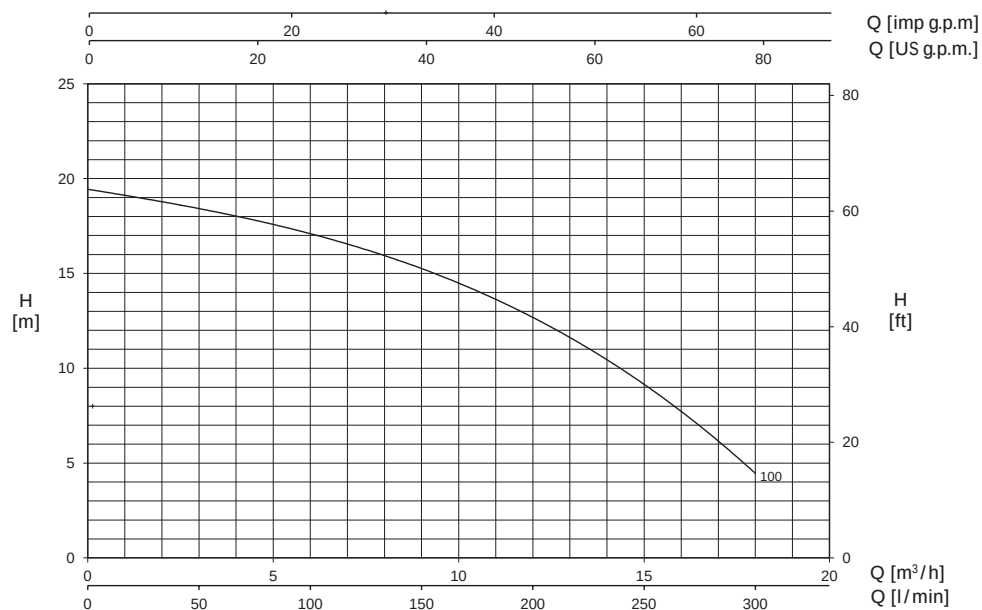
TYPE	1 x 230 v
1~	CODE
DX 80/2 G	1000-9025
DX 100/2 G	1000-9035

E: maximum emptying level

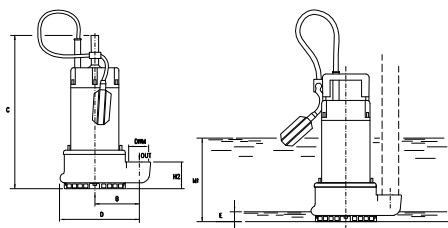
Mt: lowest level for continuous duty



TYPE	DIMENSIONS (mm)							M			Kg
	B	C	D	E	H2	Mt	DNM	I	H	M	
DX 80/2 (G)	114	395	183	110	260	100	2" G	170	235	450	10
DX 100/2 (G)	114	395	183	110	260	100	2" G	170	235	450	11.5



TYPE	W	AMPERE	Q (m³/h - l/min)						
1~		1~	0	3	6	9	12	15	18
			0	50	100	150	200	250	300
		1x230 v 50 Hz	H (m)						
DH 100 G	1370	6,2	19,4	18,5	17,1	15,2	12,6	9,3	4,4



TYPE	1 x 230 v
1~	CODE
DH 100 MAN	020-616
DH 100 G AUTO	020-618

E: maximum emptying level

Mt: lowest level for continuous duty

TYPE	DIMENSIONS (mm)							M			Kg
	B	C	D	E	H2	Mt	DNM	I	L	M	
DH 100 G	105	330	218.5	45	70	190	1" 1/2 G	180	255	380	14

CONSTRUCTION FEATURES

Pump body	cast iron
Shell, motor cover, base support	stainless steel
Impeller	brass
Mechanical seal	double seal with oil barrier; silicon carbide on pump side, sealing ring on motor side
Motor shaft	stainless steel AISI 430
Passage of solids	Ø max 10 mm
Depth of immersion	max 5 m
Liquid temperature	0 - 40 °C
Cable	H07 RNF, 10 m
G	float switch

MOTOR

2 pole induction motor	1~ 230v-50Hz with thermal protection
Insulation class	F
Protection degree	IP68



Drainage pump with open impeller for pumping liquids with suspended solids at high heads.



DC 160-310

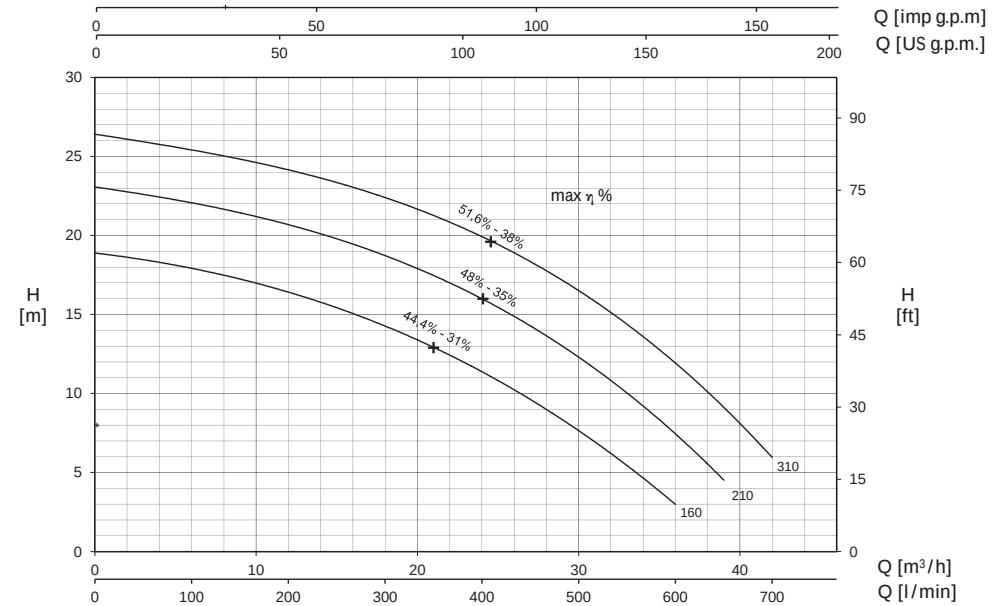


DCT 410-1000



Centrifugal drainage pump that guarantees high head, ideal for civil and industrial applications, specifically designed for very heavy use.

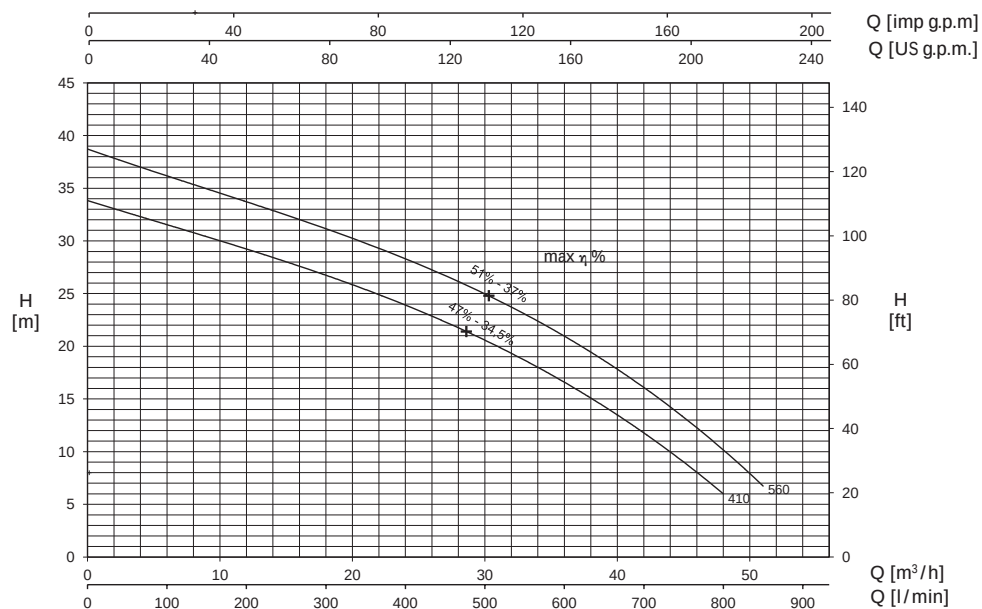
CONSTRUCTION FEATURES	
Pump body	cast iron
Impeller	cast iron
Mechanical seal	double seal with oil barrier: silicon carbide on pump side, ceramic-graphite on motor side
Motor shaft	stainless steel AISI 304
Passage of solids	10 mm
Depth of immersion	max 20 m
Liquid temperature	0 - 40 °C
Cable	H07 RNF, 10 m
Bolts	A2 stainless steel
Foot support	galvanized iron
Gaskets	NBR rubber
MOTOR	
3~ 230/400v-50Hz	
2 pole induction motor in oil bath	1~ 230V-50Hz required starter capacitor (35µF for 1,5HP model, 50µF for 2HP model)
Insulation class	F
Protection degree	IP68



TYPE DC/T		1 x 230v	3 x 400v
1~	3~	CODE	CODE
DC 160	DCT 160	020-630	020-634
DC 210	DCT 210	020-632	020-636
–	DCT 310	–	020-638

TYPE		AMPERE	
1~	3~	230 v 50 Hz	3x400 v 50 Hz
DC 160	DCT 160	13,8	4,8
DC 210	DCT 210	16,5	5,9
–	DCT 310	–	6,9

TYPE		P2		P1 (kW)		Q (m³/h - l/min)								
1~	3~					0	6	12	18	24	30	36	39	42
						0	100	200	300	400	500	600	650	700
		(HP)	(kW)	1~	3~	H (m)								
DC 160	DCT 160	1,5	1,1	3	2,8	18,9	17,9	16,4	14,3	11,4	7,6	3	—	—
DC 210	DCT 210	2	1,5	3,7	3,4	23	22,2	20,7	18,6	15,9	12,5	7,4	4,5	—
—	DCT 310	3	2,2	—	4	26,4	25,4	24,2	22,4	19,9	16,4	12,1	9,1	5,9

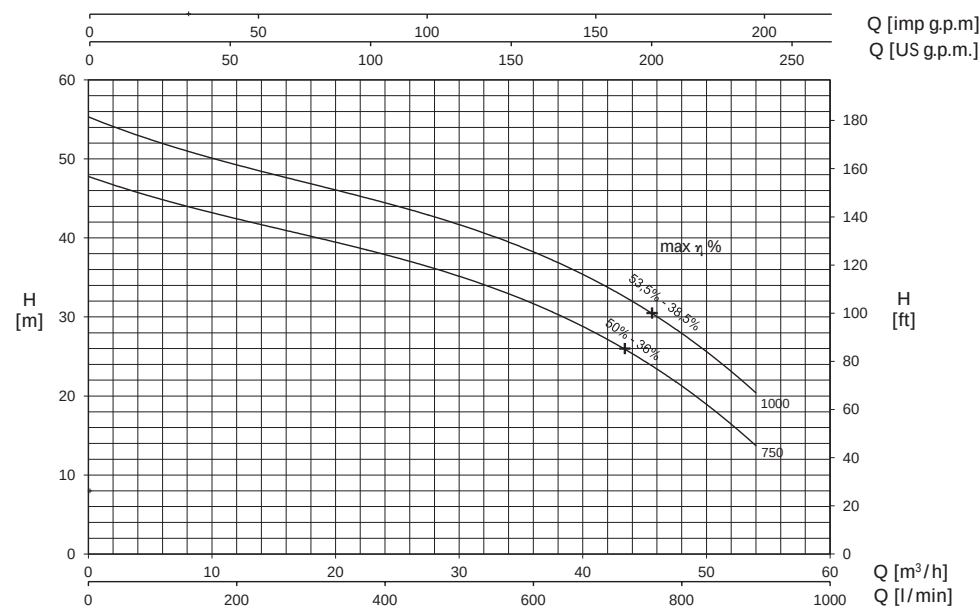


TYPE DCT	3 x 400 v
3~	CODE
DCT 410	020-640
DCT 560	020-642

COUNTER FLANGE KIT INC GASKET / NUTS & BOLTS					
MODEL	DNM	K	D	n°... Ø...	CODE
DCT 410/560	50	125	165	4...18...	M62222221

TYPE	AMPERE
3~	3x400 v 50 Hz
DCT 410	8,9
DCT 560	10,7

TYPE	P2		P1 (kW)	Q (m³/h - l/min)							
				0	6	12	18	24	30	36	42
	(HP)	(kW)	3~	0	100	200	300	400	500	600	700
H (m)											
DCT 410	4	3	5,5	33,8	31,6	29,2	26,8	23,9	20,5	16,5	12
DCT 560	5,5	4	6,3	38,7	36,1	33,9	31,2	28,3	24,7	20,9	16,3

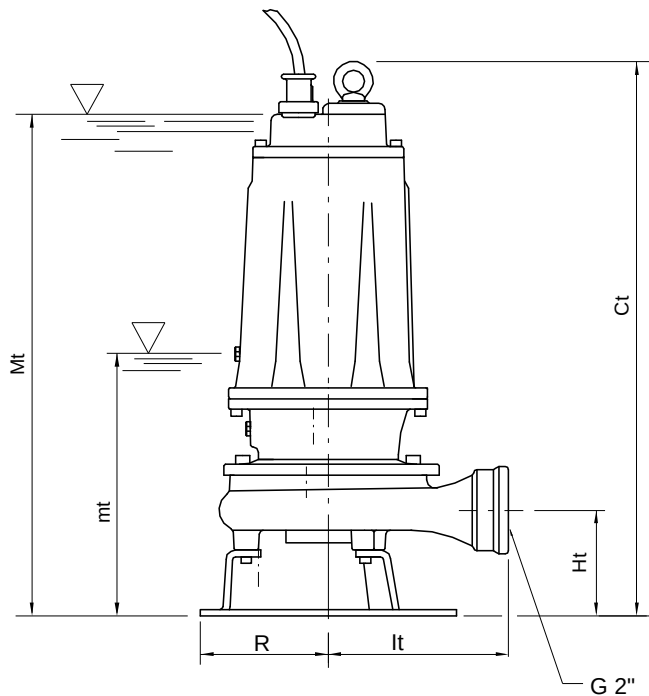


TYPE DCT	3 x 400 v
3~	CODE
DCT 750	020-644
DCT 1000	020-646

COUNTER FLANGE KIT INC GASKET / NUTS & BOLTS					
MODEL	DNM	K	D	n°... Ø...	CODE
DCT 750/1000	65	145	185	4...18...	M62222222

TYPE	AMPERE
3~	3x400 v 50 Hz
DCT 750	15,3
DCT 1000	17,5

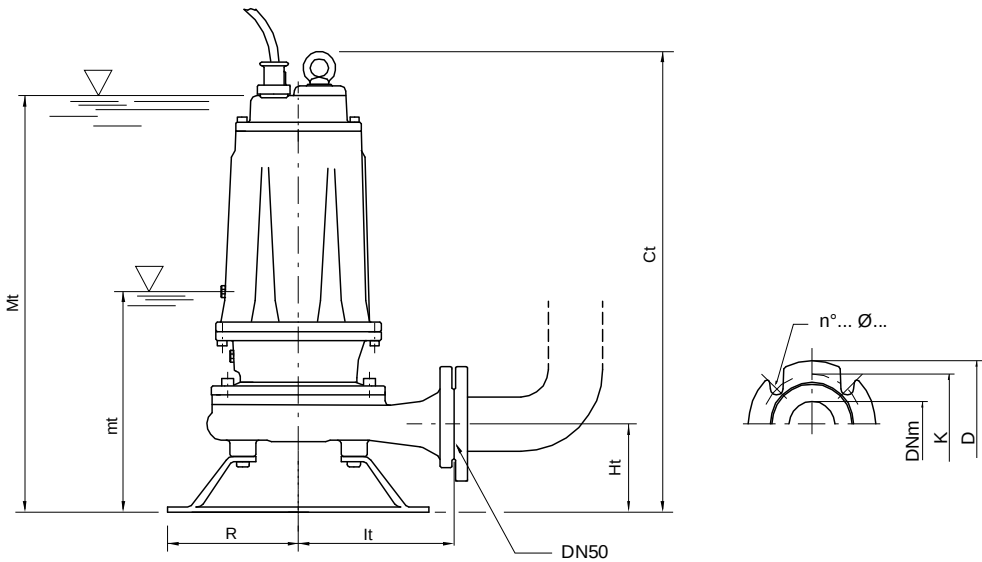
TYPE	P2		P1 (kW)	Q (m³/h - l/min)							
				0	12	18	24	30	36	42	48
	(HP)	(kW)	3~	0	200	300	400	500	600	700	800
H (m)											
DCT 750	7,5	5,5	9	47,6	42,9	40,4	37,7	34,7	31,2	27,4	22,3
DCT 1000	10	7,5	10,3	55,1	49,8	47,1	44,2	41,1	37,8	34	29,1



Mt: lowest level for continuous duty

mt: lowest working level

TYPE	DIMENSIONS (mm)						DNm	
	Ct	Ht	R	Lt	mt	Mt		
DC 160 - DCT 160	513	102	117	174	205	475	2" G	35
DC 210 - DCT 210	513	102	117	174	205	475	2" G	36
DCT 310	513	102	117	174	205	475	2" G	37



Mt: lowest level for continuous duty

TYPE	DIMENSIONS (mm)							
	Ct	Ht	R	Lt	mt	Mt	DNm	
DCT 410	595	112	160	187	263	550	50	56
DCT 560	595	112	160	187	263	550	50	64
DCT 750	680	160	180	250	280	630	65	92
DCT 1000	680	160	180	250	280	630	65	96



Please see our main catalogue

-DTR WITH GRINDER



DTR 150-300



DTRT 400-1000



Grinder

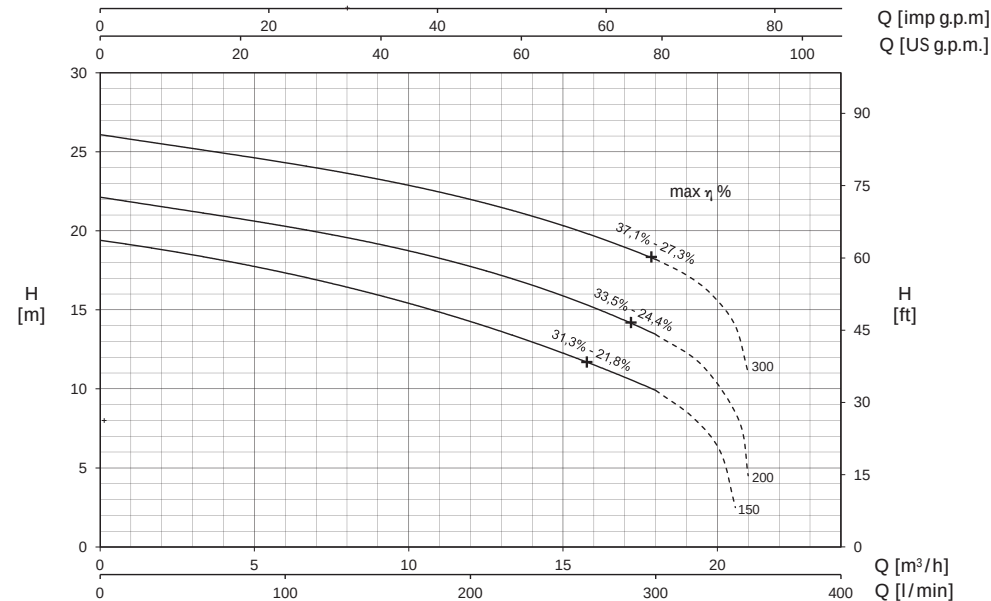
Centrifugal grinder pump used for domestic and industrial applications where either high heads or long distances prohibit the use of standard submersibles or large bore discharge pipe is not available or uneconomical to install. The grinder allows soft solids in sewage to be cut to smaller pieces to be pumped away to waste. Free standing or can be guide rail mounted.

CONSTRUCTION FEATURES

Pump body	cast iron
Impeller	cast iron
Mechanical seal	double seal with oil barrier: silicon carbide on pump side, ceramic-graphite on motor side
Motor shaft	stainless steel AISI 304
Depth of immersion	max 20 m
Liquid temperature	0 - 40 °C
Cable	H07 RNF, 10 m
Grinder	treated stainless steel
Bolts	A2 stainless steel
Foot support	galvanized iron
Gaskets	NBR rubber

MOTOR

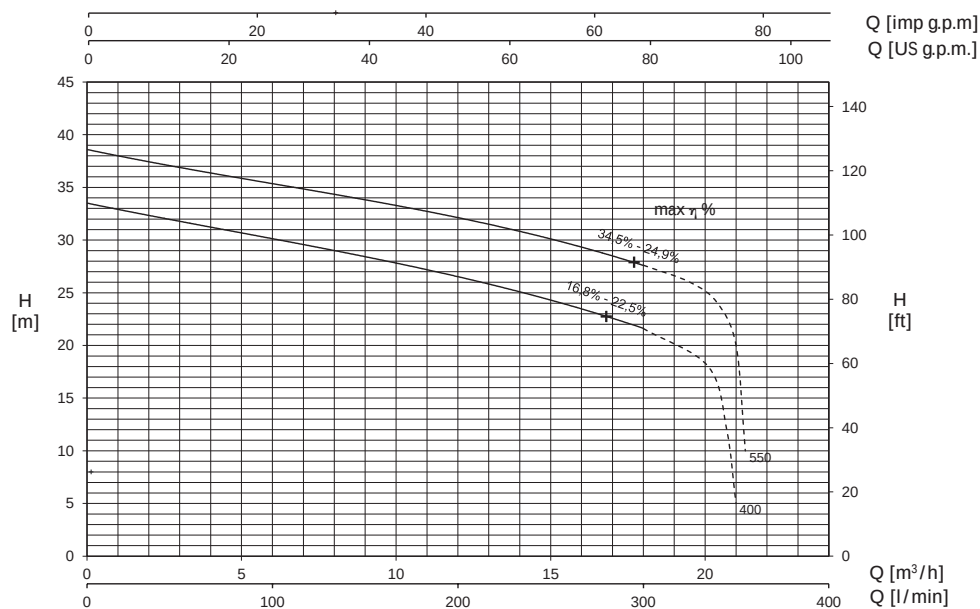
2 pole induction motor	3~ 230/400v-50Hz
in oil bath	1~ 230V-50Hz
	required starter capacitor (35µF for 1,5HP model, 50µF for 2HP model)
Insulation class	F
Protection degree	IP68



TYPE DTRT		1 x 230 v	3 x 400 v
1~	3~	CODE	CODE
DTR 150	DTRT 150	020-650	020-654
DTR 200	DTRT 200	020-652	020-656
-	DTRT 300	-	020-658

TYPE		AMPERE	
1~	3~	230 v 50 Hz	3x400 v 50 Hz
DTR 150	DTRT 150	11,5	4,4
DTR 200	DTRT 200	13,6	5,1
-	DTRT 300	-	5,8

TYPE		P2		P1 (kW)		Q (m³/h - l/min)						
1~	3~					0	3	6	9	12	15	18
						0	50	100	150	200	250	300
						H (m)						
DTR 150	DTRT 150	1,5	1,1	2,6	2,5	19,4	18,5	17,3	16	14,2	12,3	9,9
DTR 200	DTRT 200	2	1,5	3	2,8	22,1	21,3	20,3	19,1	17,7	16	13,4
—	DTRT 300	3	2,2	—	3,2	26,1	25,2	24,3	23,3	22	20,3	18,2



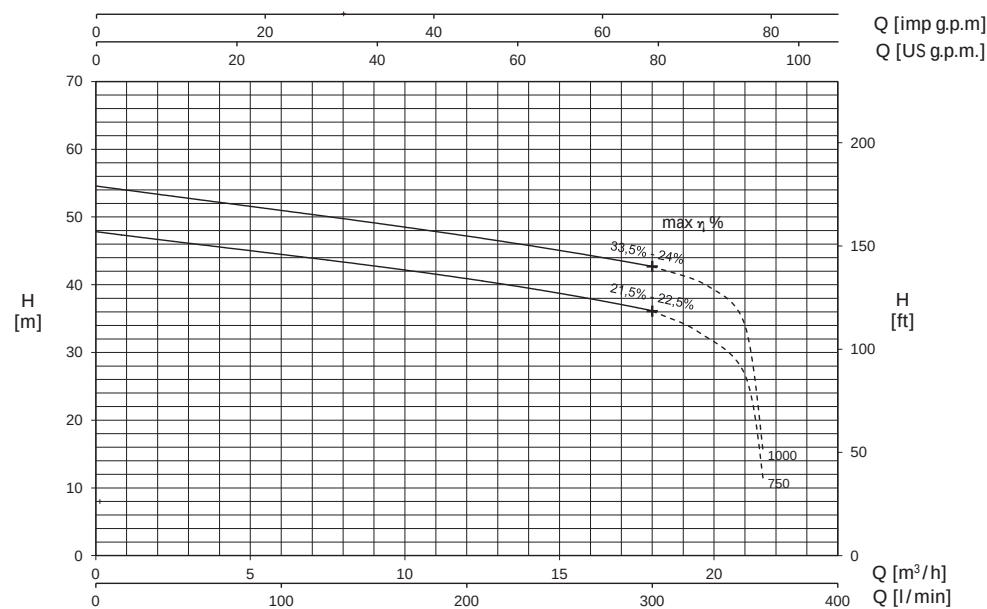
TYPE	3 x 400v
3~	CODE
DTRT 400	020-660
DTRT 550	020-662

COUNTER FLANGE KIT INC GASKET / NUTS & BOLTS					
MODEL	DNM	K	D	n°... Ø...	CODE
DTRT 400/550	50	125	165	4...18...	M62222221

TYPE	AMPERE	
3~	3x230 v 50 Hz (*)	3x400 v 50 Hz
DTRT 400	13	7,5
DTRT 550	15,9	9,2

(*) no standard execution

TYPE	P2		P1 (kW)	Q (m³/h - l/min)						
				0	3	6	9	12	15	18
	(HP)	(kW)	3~	0	50	100	150	200	250	300
H (m)										
DTRT 400	4	3	4,5	33,5	31,8	30,1	28,5	26,4	24,4	21,6
DTRT 550	5,5	4	5,3	38,6	36,9	35,3	33,9	32,1	30,1	27,6



TYPE	3 x 400v
3~	CODE
DTRT 750	020-664
DTRT 1000	020-666

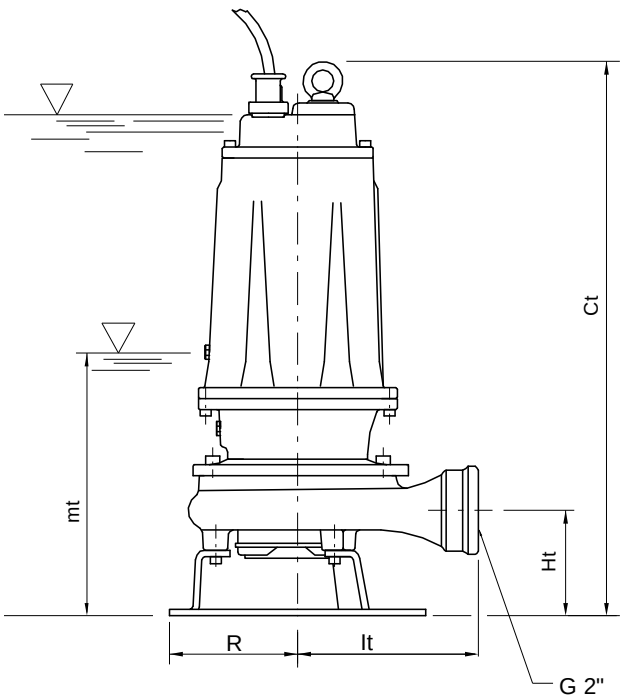
COUNTER FLANGE KIT INC GASKET / NUTS & BOLTS					
MODEL	DNM	K	D	n°... Ø...	CODE
DTRT 750/1000	65	145	185	4...18...	M62222222

TYPE	AMPERE		
3~	3x230 v 50 Hz (*)	3x400 v 50 Hz	400/690 v 50 Hz Δ / Δ
DTRT 750	—	13,9	13,9
DTRT 1000	—	15,5	15,5

(*) no standard execution

TYPE	P2		P1 (kW)	Q (m³/h - l/min)								
				0	3	6	9	12	15	18	21	21,6
	(HP)	(kW)	3~	0	50	100	150	200	250	300	350	360
H (m)												
DTRT 750	7,5	5,5	8	47,8	46,2	44,5	42,7	40,8	38,9	36,1	26,7	11
DTRT 1000	10	7,5	9,1	54,6	52,7	51	49,2	47,1	45,1	42,7	34	15

-DTR WITH GRINDER

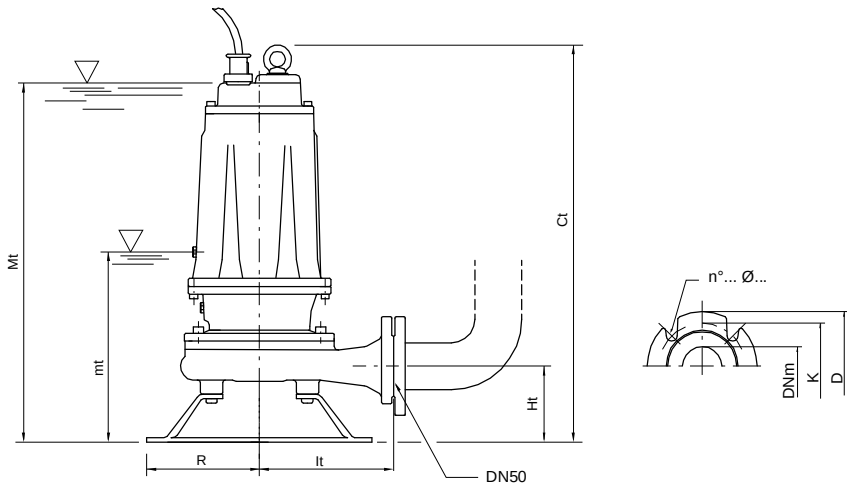


Mt: lowest level for continuous duty

mt: lowest working level



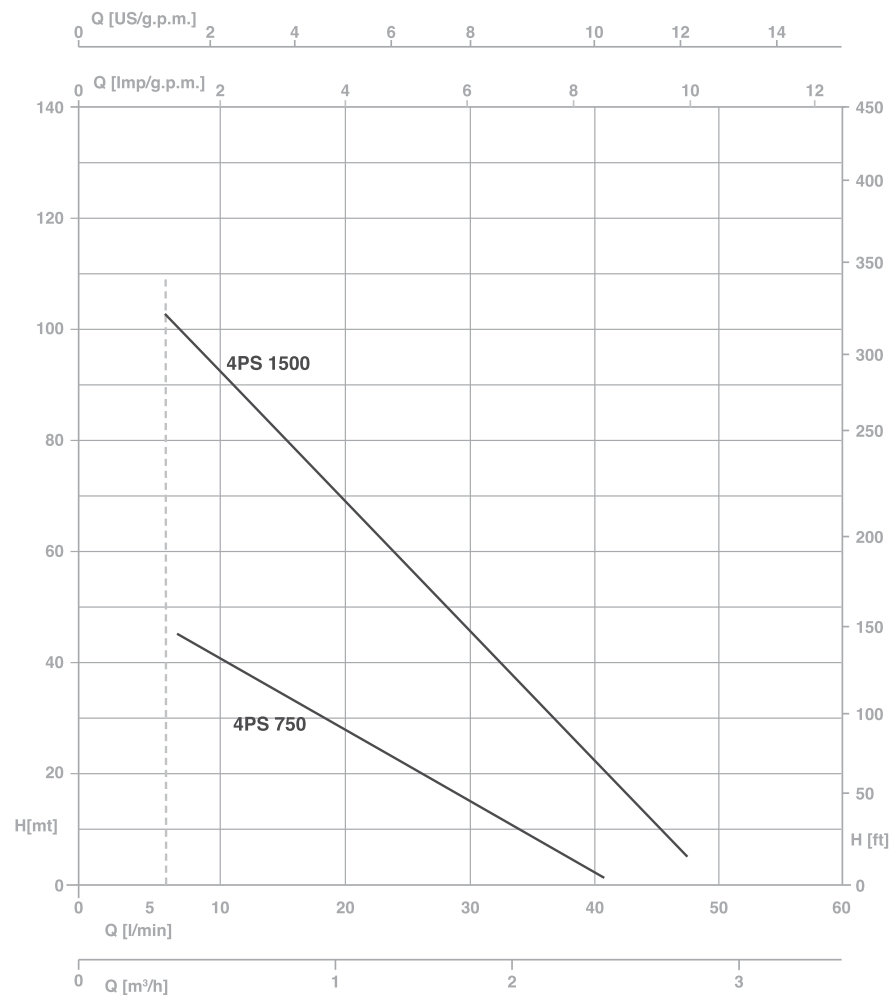
TYPE	DIMENSIONS (mm)						DNm	Kg
	Ct	Ht	R	Lt	mt	Mt		
DTR 150-DTRT 150	513	102	117	174	205	475	2"G	35
DTR 200-DTRT 200	513	102	117	174	205	475	2"G	36
DTRT 300	513	102	117	174	205	475	2"G	37



Mt: lowest level for continuous duty

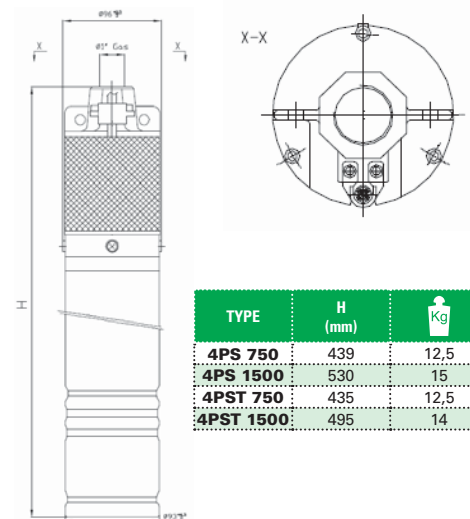


TYPE	DIMENSIONS (mm)							Kg
	Ct	Ht	R	Lt	mt	Mt	DNm	
DTRT 400	595	112	160	190	265	550	50	58
DTRT 550	595	112	160	190	265	550	50	66
DTRT 750	680	160	180	250	280	630	65	94
DTRT 1000	680	160	180	250	280	630	65	97



TYPE 4PS		1 x 230v	3 x 400v
1~	3~	CODE	CODE
4PS 750	4PST 750	022-800	022-800
4PS 1500	4PST 1500	022-804	022-805

TYPE		P2		AMPERE		Q (m³/h - l/min)									
1~	3~			1~	3~	0,3	0,6	0,9	1,2	1,5	1,8	2,1	2,4	2,7	
				1x230 v 50 Hz	3x400 v 50 Hz	5	10	15	20	25	30	35	40	45	
		(HP)	(kW)	H (m)											
4PS 750	4PST 750	0,75	0,55	4,3	1,7	45	41	36	31	26	21	16	11	5	
4PS 1500	4PST 1500	1,5	1,1	7,9	3,2	102	78	67	58	48	37	25	15	7	



TYPE	H (mm)	Kg
4PS 750	439	12,5
4PS 1500	530	15
4PST 750	435	12,5
4PST 1500	495	14

CONSTRUCTION FEATURES

Delivery outlet nickel plated cast iron

External jacket, shaft stainless steel

Impeller brass

Liquid temperature 40 °C

Cable H07 RNF, 10 m

MOTOR

Asynchronous 2 pole 1~ 230v-50Hz
3~ 230/400v-50Hz

Insulation class F

Protection degree IP58



4" submersible peripheral pumps. Particular suitable for domestic application, irrigation systems and pressurisation plants. Single phase models equipped with control box and external capacitor. Clean water only.

-5PES



5 PES (T) 3 / 7 G

float switch

max
m³/h

number of impellers

3~

type

well ("")

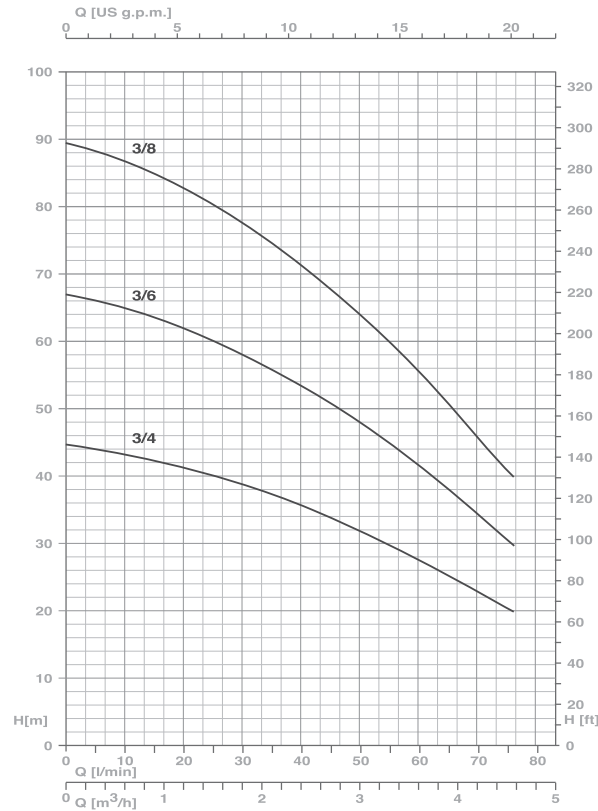
CONSTRUCTION FEATURES	
Delivery outlet	1" 1/4 G
External jacket, impellers and diffusers	stainless steel AISI 304
Passage of solids	2 mm
Depth of immersion	max 20 m
Liquid temperature	-5 °C +40 °C
Quantity of sand in the water	max 50 g/m ³
Cable	H07 RNF, 20 m
Number of startups/hr	max 20
MOTOR	
Asynchronous 2 pole	3~ 380/415v-50Hz
	1~ 220/240v-50Hz with thermal protection
Insulation class	F
Protection degree	IP68

5" submersible multistage centrifugal pumps. All components in contact with fluid are made in AISI 304 stainless steel. Particular suitable for water distribution, rainwater collection, irrigation, dewatering fountains, wash down units. Single phase versions have an internal capacitor and thermal motor protector. For clean water only.



5PES

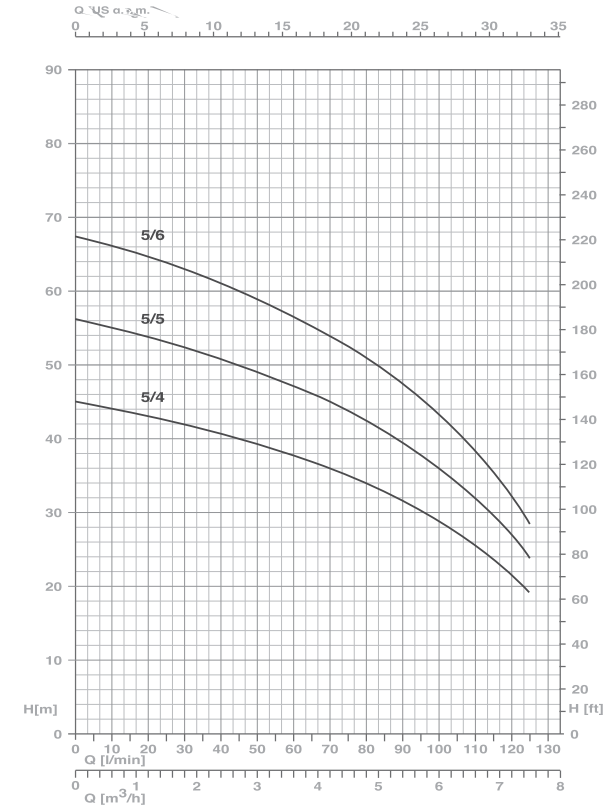
5



3

TYPE 5PES		1 x 230v	3 x 400v
1~	3~	CODE	CODE
5PES 3/4 MAN	5PEST 3/4 MAN	022-750	022-753
5PES 3/4 AUTO	–	022-752	–
5PES 3/6 MAN	5PEST 3/6 MAN	022-754	022-757
5PES 3/6 AUTO	–	022-756	–
5PES 3/8 MAN	5PEST 3/8 MAN	022-758	022-762
5PES 3/8 AUTO	–	022-760	–

TYPE	MOTOR		INTERNAL CAPACITOR		RATED CURRENT		Q (m³/h - l/min)						
					1~	3~	0	1,2	1,8	2,4	3	3,6	4,2
	(kW)	(HP)			220/240 v 50 Hz	380/415 v 50 Hz	0	20	30	40	50	60	70
H (m)													
5PES 3/4	0,55	0,75	16	450	4,5	1,9	45	42	39	36	32	28	23
5PES 3/6	0,75	1	20	450	5,6	2,3	67	62	58	54	48	42	34
5PES 3/8	1,1	1,5	30	450	7,2	2,7	90	82	78	71	64	56	46

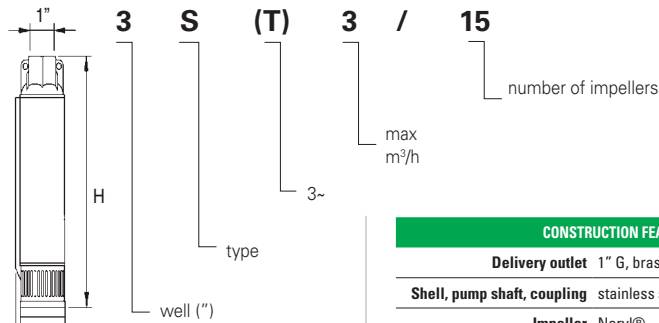


5

TYPE 5PES		1 x 230v	3 x 400v
1~	3~	CODE	CODE
5PES 5/4 MAN	5PEST 5/4 MAN	022-764	022-766
5PES 5/4 AUTO	–	022-765	–
5PES 5/5 MAN	5PEST 5/5 MAN	022-767	022-769
5PES 5/5 AUTO	–	022-768	–
5PES 5/6 MAN	5PEST 5/6 MAN	022-770	022-774
5PES 5/6 AUTO	–	022-771	–

TYPE	MOTOR		INTERNAL CAPACITOR		RATED CURRENT		Q (m³/h - l/min)						
					1~	3~	0	2,4	3	3,6	4,2	4,8	6
	(kW)	(HP)			220/240 v 50 Hz	380/415 v 50 Hz	0	40	50	60	70	80	100
H (m)													
5PES 5/4	0,75	1	20	450	5,4	2,2	45	41	39	38	36	34	29
5PES 5/5	0,9	1,2	30	450	6,5	2,5	56	51	49	47	45	42	36
5PES 5/6	1,1	1,5	30	450	7,6	2,8	68	61	59	57	54	51	43

-3S

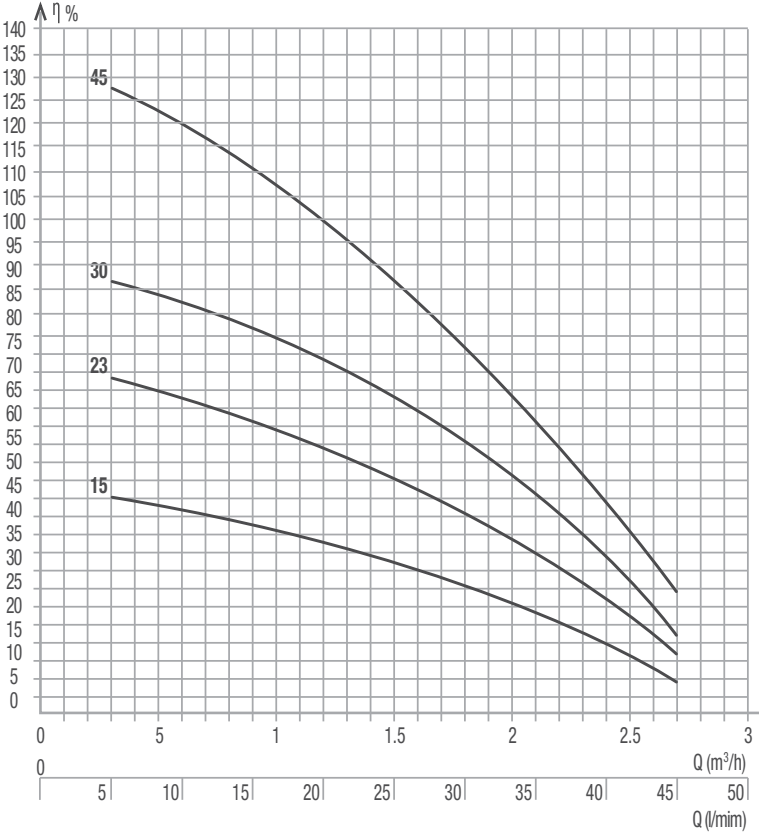


CONSTRUCTION FEATURES	
Delivery outlet	1" G, brass or stainless steel
Shell, pump shaft, coupling	stainless steel
Impeller	Noryl®
Diffusers	self-lubricating polyacetal
Coupling motor bracket	brass or stainless steel
Liquid temperature	40° C
Quantity of sand in the water	max 40 g/m³
MOTOR	
Asynchronous 2 pole	1~ 230 v-50Hz 3~ 230/400v-50Hz
Insulation class	F
Protection degree	IP58

Submersible multistage centrifugal pumps for 3" wells, particularly suitable for water rising and distribution installations.

Water plants and systems for residential and industrial use. Pressurising system, irrigation plants.

TYPE	H (mm)	Kg
3S 3-15	580	3,3
3S 3-23	780	4,4
3S 3-30	1000	5,6
3S 3-45	1380	7,6

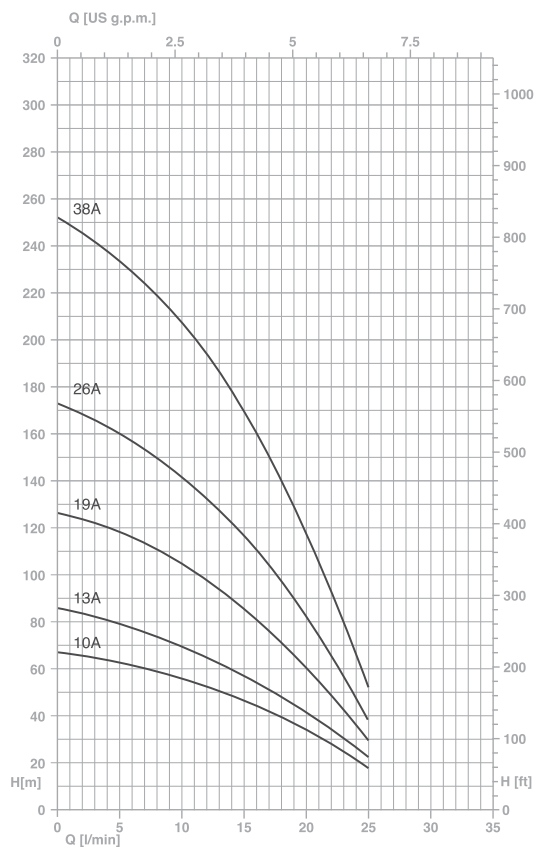


TYPE 3S		1 x 230v	3 x 400v
1~	3~	CODE	CODE
3S 3-15 M	3S 3-15 T	022-920	022-921
3S 3-23 M	3S 3-23 T	022-922	022-923
3S 3-30 M	3S 3-30 T	022-924	022-925
-	3S 3-45 T	-	022-926

*Available But Not Stocked

TYPE	P2		Q (m³/h - l/min)						
			0,3	0,6	0,9	1,2	1,8	2,4	2,7
	5	10	15	20	30	40	45		
	(HP)	(kW)	H (m)						
3S 3-15	0,5	0,33	46	42	39	36	28	15	7
3S 3-23	0,75	0,55	70	66	61	55	43	24	13
3S 3-30	1	0,75	92	86	80	73	57	33	17
3S 3-45	1,5	1,1	128	119	112	103	75	47	28

-25



TYPE 4S/A	CODE
4S 25/10A	105-0400
4S 25/13A	105-0405
4S 25/19A	105-0410
4S 25/26A	105-0415
4S 25/38A	105-0420

TYPE	P2		Q (m³/h - l/min)						DNM	Length	Weight
			0	0,3	0,6	0,9	1,2	1,5			
	(HP)	(kW)	0	5	10	15	20	25		mm	Kg
4S 25/10A	0,5	0,37	67	63	55	46	33	18	1" 1/4	324	3,3
4S 25/13A	0,5	0,37	86	78	70	56	42	23		377	3,7
4S 25/19A	0,75	0,55	126	118	105	86	60	30		481	4,7
4S 25/26A	1	0,75	173	160	141	117	81	39		642	5,8
4S 25/38A	1,5	1,1	253	234	208	169	117	52		864	8,2

CONSTRUCTION FEATURES	
Delivery outlet	stainless steel (AISI 304)
External jacket	stainless steel
Impellers and diffusers	foodstuff polycarbonate with wearing rings in stainless steel
Upper bushings	bronze, on request in sand resistant rubber
Shaft pump side	stainless steel
Liquid temperature	max 35 °C
Quantity of sand in the water	max 150 g/m³

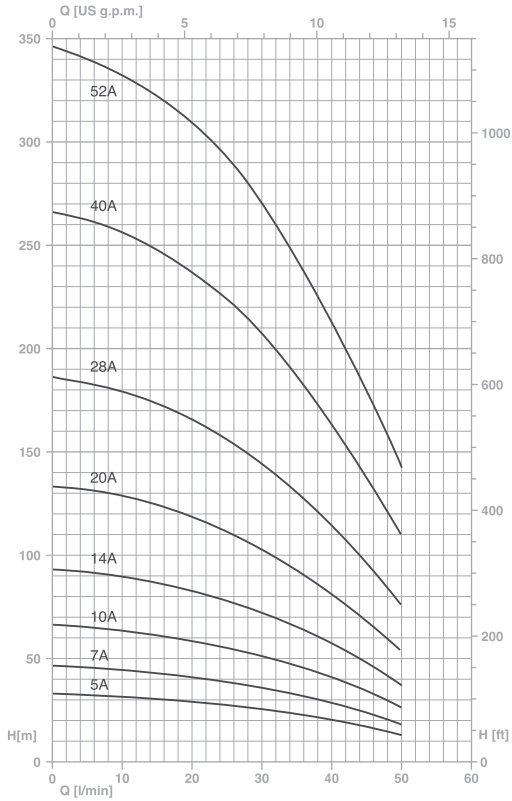


4 S 400 - 20A

type
impellers number
max l/min
type
well (")

Submersible multistage centrifugal pumps for 4" wells. Check valve built into the delivery outlet. Pump flange for coupling with motors are made according to NEMA standards. Most common applications are civil and agricultural.

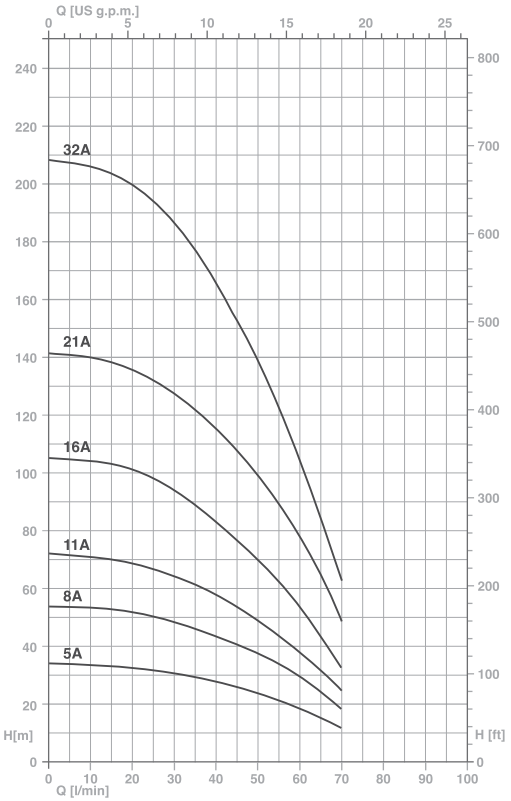
-4S/A-50



TYPE 4S/A	CODE
4S 50/5A	105-0425
4S 50/7A	105-0430
4S 50/10A	105-0435
4S 50/14A	105-0440
4S 50/20A	105-0445
4S 50/28A	105-0450
4S 50/40A	105-0455
4S 50/52A	105-0460

TYPE	P2		Q (m³/h - l/min)						DNM	Length	Weight
			0	1.2	1.5	1.8	2.4	3			
	(HP)	(kW)	0	20	25	30	40	50			
			H (m)						1" 1/4	mm	Kg
			33	30	28	26	20	13			
4S 50/5A	0,5	0,37	33	30	28	26	20	13			
4S 50/7A	0,5	0,37	47	42	40	36	29	19		280	2,9
4S 50/10A	0,75	0,55	67	60	56	52	41	27		332	3,5
4S 50/14A	1	0,75	93	83	79	73	57	37		402	4,2
4S 50/20A	1,5	1,1	133	119	113	104	82	53		507	5,3
4S 50/28A	2	1,5	187	167	158	146	115	74		680	7,1
4S 50/40A	3	2,2	267	238	226	208	164	106		914	10,1
4S 50/52A	4	3	347	309	294	271	213	138		1120	12,2

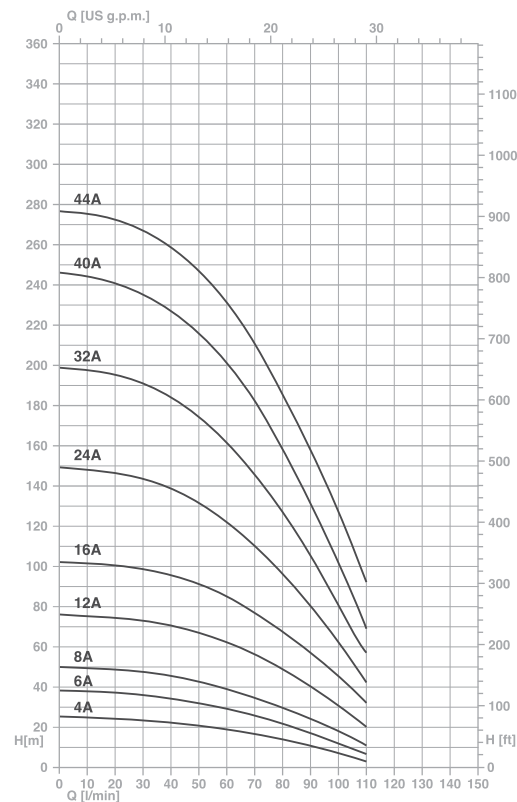
-70



TYPE 4S/A	CODE
4S 70/5A	105-0465
4S 70/8A	105-0470
4S 70/11A	105-0475
4S 70/16A	105-0480
4S 70/21A	105-0485
4S 70/32A	105-0490

TYPE	P2		Q (m³/h - l/min)										DNM	Length	Weight
			0	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2			
	(HP)	(kW)	0	20	25	30	35	40	45	50	60	70			
			H (m)										1" 1/4	mm	Kg
4S 70/5A	0,5	0,37	34	32	31	30	29	28	26	24	19	13			
4S 70/8A	0,75	0,55	54	51	50	49	46	43	41	38	30	19		236	2,5
4S 70/11A	1,0	0,75	72	68	66	64	61	58	54	49	38	26		289	2,9
4S 70/16A	1,5	1,1	106	101	98	95	89	83	77	70	54	33		342	3,4
4S 70/21A	2,0	1,5	142	135	132	127	122	115	108	100	79	49		430	4,2
4S 70/32A	3,0	2,2	208	200	194	187	177	165	152	138	104	62		519	5,0
														749	7,1

-110



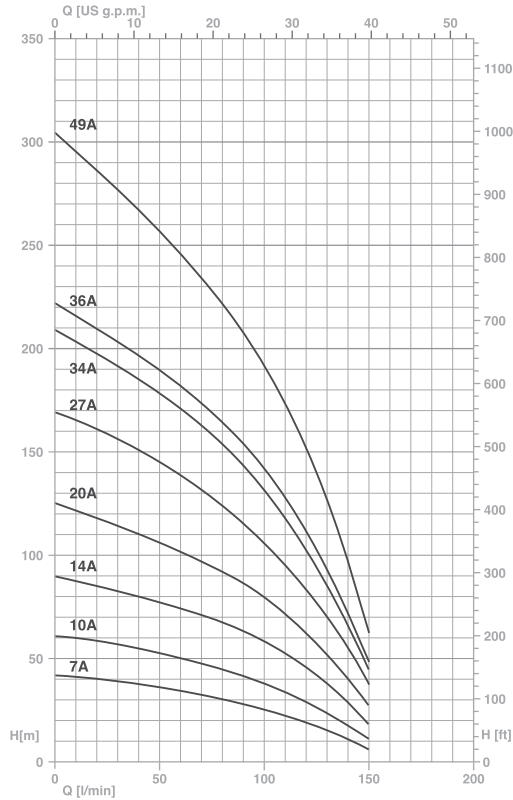
4 S 400 - 20A

4: well (")
S: type
400: max l/min
20A: impellers number

TYPE	P2		Q (m³/h - l/min)										DNM	Length	Weight						
			0	2,1	2,4	2,7	3	3,6	4,2	4,8	5,4	6									
	0	35	40	45	50	60	70	80	90	100	H (m)										
	(HP)	(kW)												mm	Kg						
4S 110/4A	0,5	0,37	26	23	22	22	21	19	17	14	11	7	1"1/4	247	2,4						
4S 110/6A	0,75	0,55	38	36	35	33	32	30	26	22	18	12		296	2,2						
4S 110/8A	1	0,75	51	47	46	44	43	39	35	30	24	18		345	3,3						
4S 110/12A	1,5	1,1	77	72	71	69	68	63	57	49	41	31		433	4,1						
4S 110/16A	2	1,5	102	98	96	94	92	86	77	68	57	46		542	5						
4S 110/24A	3	2,2	151	142	139	136	132	122	111	97	80	62		777	6,6						
4S 110/32A	4	3	203	188	185	180	175	162	146	127	105	80		965	8,7						
4S 110/40A	5/5.5	3,7/4	253	232	227	222	216	202	182	159	131	102		1160	10,4						
4S 110/44A	5,5	4	278	265	260	254	247	230	210	187	159	127		1296	11,2						

TYPE 4S/A	CODE
4S 110/4A	105-0540
4S 110/6A	105-0542
4S 110/8A	105-0545
4S 110/12A	105-0550
4S 110/16A	105-0555
4S 110/24A	105-0560
4S 110/32A	105-0565
4S 110/40A	105-0570
4S 110/44A	105-0575

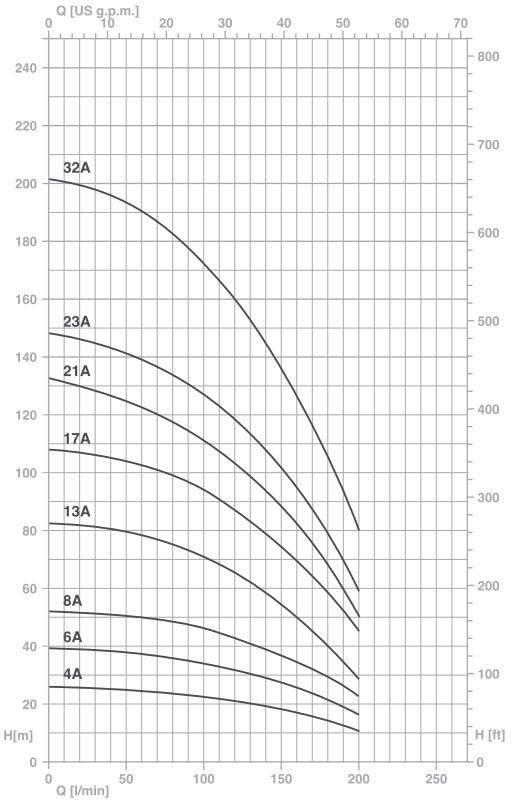
-4S/A



-140

TYPE 4S/A	CODE
4S 140/7A	105-0580
4S 140/10A	105-0585
4S 140/14A	105-0590
4S 140/20A	105-0595
4S 140/27A	105-0600
4S 140/34A	105-0602
4S 140/36A	105-0605
4S 140/49A	105-0610

TYPE	P2		Q (m³/h - l/min)									DNM	Length	Weight
			0	3	3,6	4,2	4,8	5,4	6	7,2	8,4			
			0	50	60	70	80	90	100	120	140			
	(HP)	(kW)	H (m)											
4S 140/7A	1	0,75	42	36	34	32	30	28	25	19	11	1" 1/4	390	3,7
4S 140/10A	1,5	1,1	62	53	51	48	45	41	38	29	18		483	4,6
4S 140/14A	2	1,5	90	77	74	71	68	63	59	46	28		607	5,7
4S 140/20A	3	2,2	125	107	102	97	92	86	80	62	40		831	7,5
4S 140/27A	4	3	169	145	139	131	123	115	107	84	55		1048	9,6
4S 140/34A	5/5,5	3,7/4	208	178	170	162	153	143	132	103	66		1257	11,6
4S 140/36A	5,5	4	221	190	181	173	164	154	143	112	72		1318	12,2
4S 140/49A	7,5	5,5	302	257	246	234	222	209	193	151	96		1802	15,9



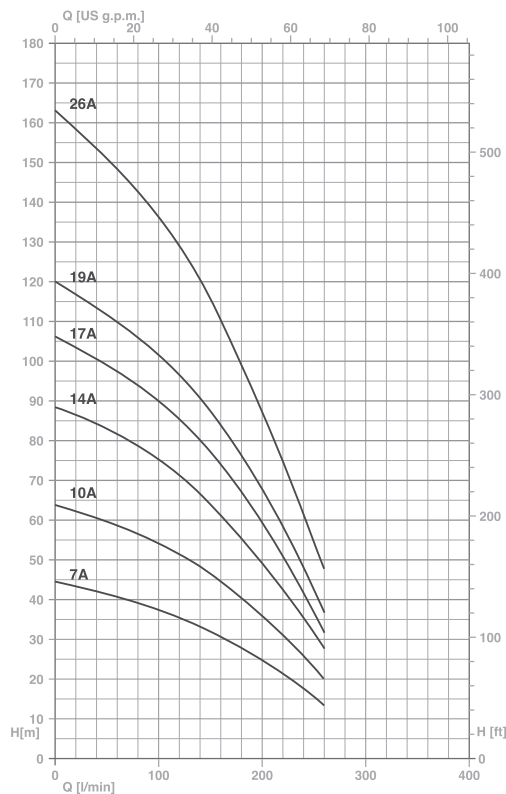
-200

TYPE 4S/A	CODE
4S 200/4A	105-0615
4S 200/6A	105-0620
4S 200/8A	105-0625
4S 200/13A	105-0630
4S 200/17A	105-0635
4S 200/21A	105-0640
4S 200/23A	105-0645
4S 200/32A	105-0647

TYPE	P2		Q (m³/h - l/min)									DNM	Length	Weight
			0	4,8	5,4	6	7,2	8,4	9,6	10,8	12			
			0	80	90	100	120	140	160	180	200			
	(HP)	(kW)	H (m)										mm	Kg
4S 200/4A	1	0,75	26	24	23	22	21	19	17	15	12	1" 1/4	294	2,8
4S 200/6A	1,5	1,1	39	36	35	34	32	29	26	22	17		356	3,4
4S 200/8A	2	1,5	52	48	47	46	43	39	35	29	24		418	4
4S 200/13A	3	2,2	82	75	73	71	66	59	50	40	30		573	5,5
4S 200/17A	4	3	108	98	96	94	87	79	70	58	46		697	6,6
4S 200/21A	5/5,5	3,7/4	132	117	114	111	103	93	82	68	52		859	7,8
4S 200/23A	5,5	4	148	134	131	127	118	108	95	79	60		921	8,4
4S 200/32A	7,5	5,5	202	182	178	172	160	143	125	105	80		1238	11

4S/A 400

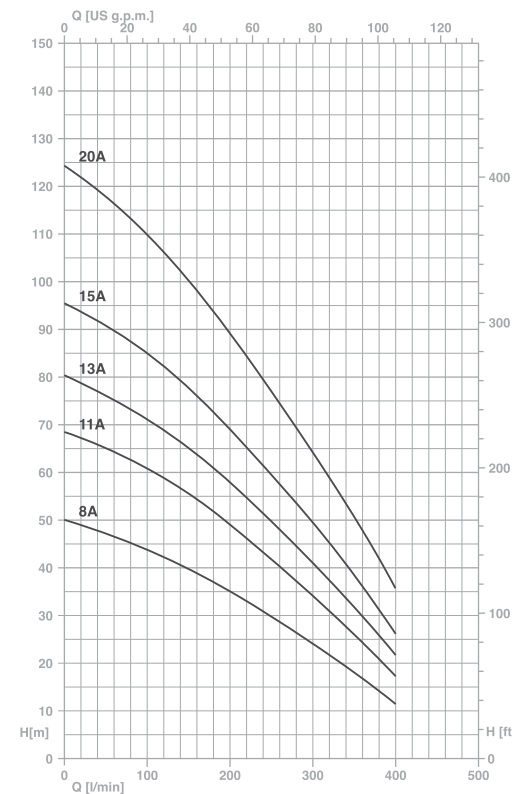
SUBMERSED



260

TYPE 4S/A	CODE
4S 260/7A	105-0650
4S 260/10A	105-0655
4S 260/14A	105-0660
4S 260/17A	105-0665
4S 260/19A	105-0670
4S 260/26A	105-0675

TYPE	P2		Q (m³/h - l/min)										DNM	Length	Weight
			0	6	7,2	8,4	9,6	10,8	12	13	14,4	16			
	(HP)	(kW)	0	100	120	140	160	180	200	220	240	260		mm	Kg
4S 260/7A	2	1,5	45	37	36	33	31	28	25	22	18	14	2"	534	5,3
4S 260/10A	3	2,2	64	54	52	48	44	41	36	32	26	20		690	6,7
4S 260/14A	4	3	89	76	72	67	62	56	49	43	35	28		989	8,6
4S 260/17A	5/5,5	3,7/4	107	90	86	80	74	67	59	51	42	32		1092	10,1
4S 260/19A	5,5	4	120	102	97	91	89	76	68	58	48	37		1195	11
4S 260/26A	7,5	5,5	163	136	129	120	111	100	87	75	61	48		1559	14,3



TYPE 4S/A	CODE
4S 400/8A	105-0680
4S 400/11A	105-0685
4S 400/13A	105-0690
4S 400/15A	105-0695
4S 400/20A	105-0700

TYPE	P2		Q (m³/h - l/min)															DNM	Length	Weight
			0	8,4	9,6	10,8	12	13	14,4	16	17	18	19	20	22	23	24			
	0	140	160	180	200	220	240	260	280	300	320	340	360	380	400					
	(HP)	(kW)	H (m)																	
4S 400/8A	3	2,2	51	41	39	37	35	33	31	29	27	24	22	20	17	14	12	2"	676	6,3
4S 400/11A	4	3	70	57	54	52	49	47	44	41	38	34	31	28	24	21	18	2"	880	8,1
4S 400/13A	5/5,5	3,7/4	81	67	64	61	58	55	52	48	45	41	38	34	30	26	22	2"	1013	9,3
4S 400/15A	5,5	4	97	79	76	73	69	66	63	58	54	50	46	41	36	32	27	2"	1149	10,5
4S 400/20A	7,5	5,5	125	102	98	94	89	84	79	74	70	65	60	54	48	43	37	2"	1489	13,5



6 S (T) 70 - 14

impellers number

max m³/h

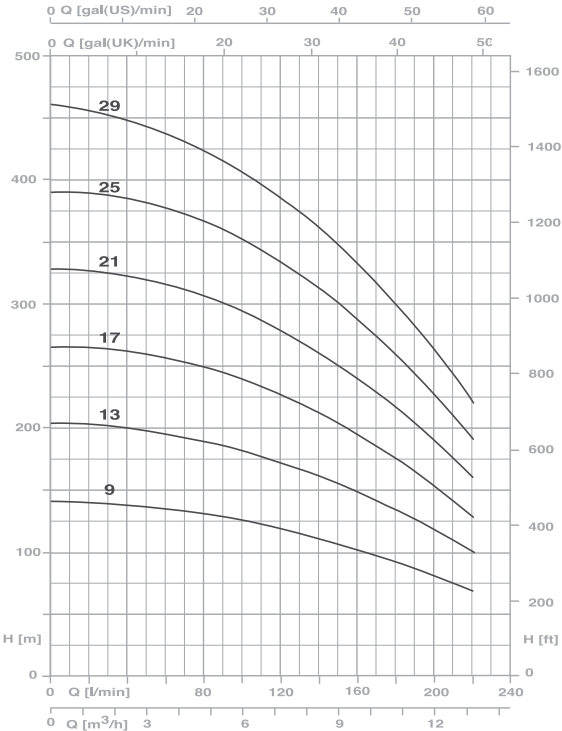
3~

type

well (")

CONSTRUCTION FEATURES	
Delivery outlet	brass
External jacket	stainless steel
Impellers and diffusers	foodstuff polycarbonate with wearing rings in stainless steel
Upper bushings	bronze, on request in sand resistant rubber
Shaft pump side	stainless steel
Liquid temperature	max 40 °C
Quantity of sand in the water	max 40 g/m ³
MOTOR	
Asynchronous 2 pole	encapsulated Franklin not rewound (cod.WF) or rewound in oil bath (cod.OF)
Insulation class	B
Protection degree	IP58

Submersible multistage centrifugal pumps for 6" wells. Check valve built into the delivery outlet. Pump flange for coupling with motors are made according to NEMA standards. Most common applications are civil and agricultural.

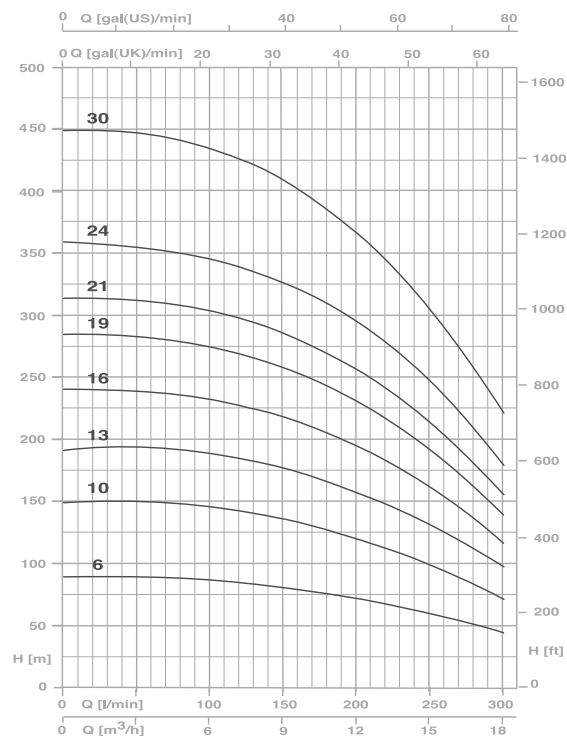


TYPE 6S	3 x 400v 400/690*
3~	CODE
6S13-9	1000-8000
6S13-13	1000-8010
6S13-17	1000-8020
6S13-21	1000-8030
6S13-25	1000-8040
6S13-29	1000-8050
*Advise When Ordering	

TYPE	P2		Q (m³/h - l/min)								
			0	4,8	6	7,2	8,4	9,6	10,8	12	13,2
			0	80	100	120	140	160	180	200	220
3~	(HP)	(kW)	H (m)								
6S13-9	5,5	4	141	130	125	119	111	102	92	81	68
6S13-13	7,5	5,5	204	188	167	159	148	137	122	108	91
6S13-17	10	7,5	265	248	209	198	185	170	153	135	113
6S13-21	12,5	9,2	328	304	293	278	260	240	216	189	159
6S13-25	15	11	390	365	334	318	298	274	246	217	182
6S13-29	17,5	13	460	422	390	370	346	319	288	252	212

6S
25

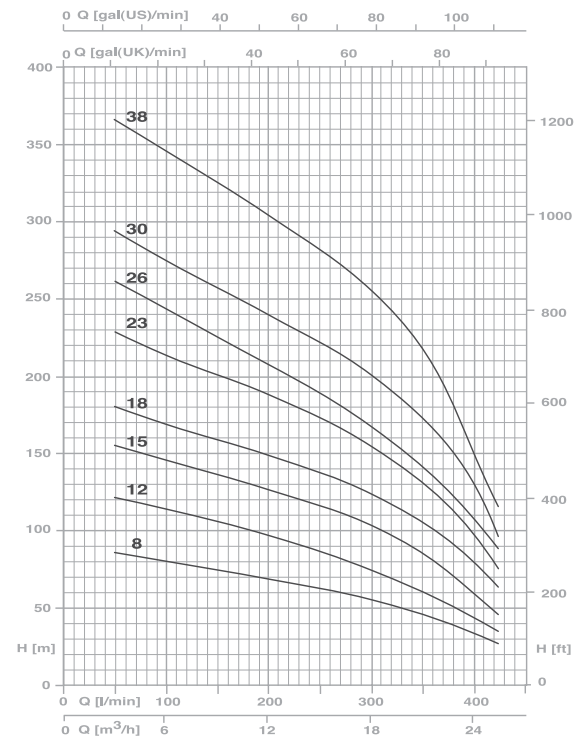
18



TYPE 6S	3 x 400v 400/690*
3~	CODE
6S18-6	1000-8060
6S18-10	1000-8070
6S18-13	1000-8080
6S18-16	1000-8090
6S18-19	1000-8100
6S18-21	1000-8110
6S18-24	1000-8120
6S18-30	1000-8130

*Advise When Ordering

TYPE	P2		Q (m³/h - l/min)								
			0	7,2	8,4	9,6	10,6	12	13,2	15	18
			0	120	140	160	180	200	220	250	300
3~			H (m)								
	(HP)	(kW)									
6S18-6	5,5	4	90	85	83	79	76	72	69	62	44
6S18-10	7,5	5,5	150	143	125	120	115	109	103	93	66
6S18-13	10	7,5	193	183	167	160	153	146	136	124	88
6S18-16	12,5	9,2	241	228	208	200	193	183	172	156	110
6S18-19	15	11	285	270	249	241	231	219	207	166	133
6S18-21	17,5	13	314	300	291	281	269	256	241	218	155
6S18-24	20	15	359	343	333	321	308	292	275	258	177
6S18-30	25	18,5	449	429	416	402	385	365	344	311	221

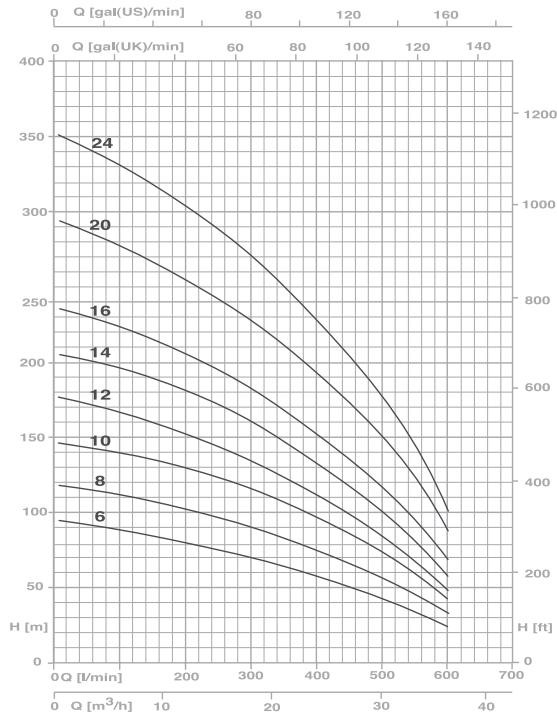


TYPE 6S	3 x 400v 400/690*
3~	CODE
6S25-8	1000-8140
6S25-12	1000-8150
6S25-15	1000-8160
6S25-18	1000-8170
6S25-23	1000-8180
6S25-26	1000-8190
6S25-30	1000-8200
6S25-38	1000-8210

*Advise When Ordering

TYPE	P2		Q (m³/h - l/min)							
			0	6	12	15	18	21	24	25,5
			0	100	200	250	300	350	400	425
3~			H (m)							
	(HP)	(kW)								
6S25-8	5,5	4	86	77	68	66	58	48	36	28
6S25-12	7,5	5,5	124	110	96	93	79	63	45	35
6S25-15	10	7,5	159	141	124	122	106	84	63	49
6S25-18	12,5	9,2	187	167	146	144	128	104	76	60
6S25-23	15	11	236	206	185	181	158	129	93	73
6S25-26	17,5	13	264	237	212	203	161	146	107	84
6S25-30	20	15	300	269	241	234	207	165	118	92
6S25-38	25	18,5	387	342	303	294	256	205	148	117

6S

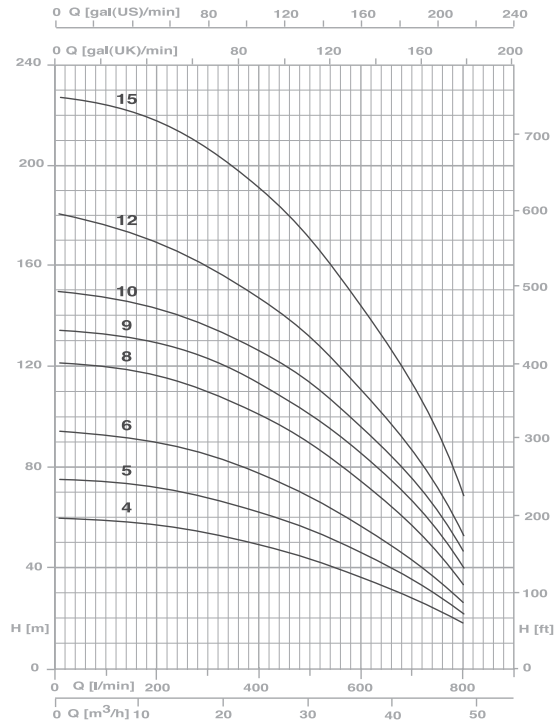


36

TYPE 6S	3 x 400v 400/690*
3~	CODE
6S36-6	1000-8220
6S36-8	1000-8230
6S36-10	1000-8240
6S36-12	1000-8250
6S36-14	1000-8260
6S36-16	1000-8270
6S36-20	1000-8280
6S36-24	1000-8290

*Advise When Ordering

TYPE	P2		Q (m³/h - l/min)										
0			12		18		24		34		36		
0			200		300		400		500		600		
3~			H (m)										
	(HP)	(kW)											
6S36-6	7,5	5,5	87	76	68	56	42	24					
6S36-8	10	7,5	117	101	91	75	55	32					
6S36-10	12,5	9,3	146	127	114	95	70	40					
6S36-12	15	11	174	152	137	114	84	48					
6S36-14	17,5	13	204	178	160	133	98	56					
6S36-16	20	15	233	203	182	151	112	64					
6S36-20	25	18,5	292	254	228	190	140	80					
6S36-24	30	22	350	305	274	228	168	97					



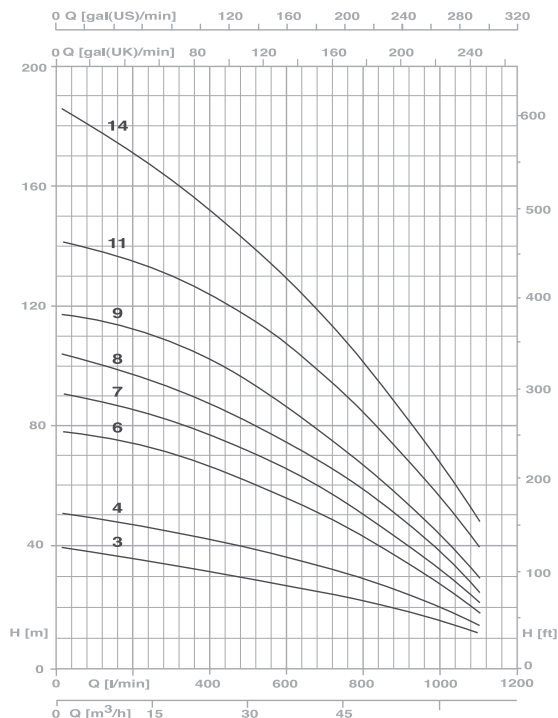
48

TYPE 6S	3 x 400v 400/690*
3~	CODE
6S48-4	1000-8300
6S48-5	1000-8310
6S48-6	1000-8320
6S48-8	1000-8330
6S48-9	1000-8340
6S48-10	1000-8350
6S48-12	1000-8360
6S48-15	1000-8370

*Advise When Ordering

TYPE 3~	P2		Q (m³/h - l/min)						
			0	18	24	30	36	42	48
			0	300	400	500	600	700	800
	(HP)	(kW)	H (m)						
6S48-4	7,5	5,5	60	54	50	46	38	28	18
6S48-5	10	7,5	74	68	63	57	48	36	22
6S48-6	12,5	9,2	90	81	76	69	57	43	26
6S48-8	15	11	121	109	101	92	76	57	35
6S48-9	17,5	13	135	122	115	103	86	65	40
6S48-10	20	15	150	136	127	114	96	72	46
6S48-12	25	18,5	180	163	144	137	115	86	53
6S48-15	30	22	225	204	191	171	144	108	67

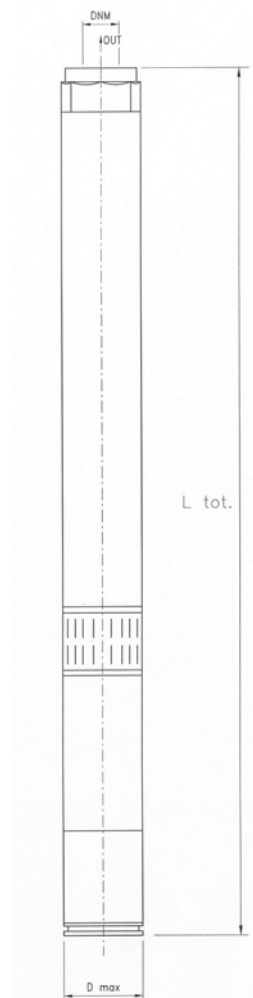
70



TYPE 6S	3 x 400v 400/690*
3~	CODE
6S70-3	1000-8380
6S70-4	1000-8390
6S70-6	1000-8400
6S70-7	1000-8410
6S70-8	1000-8420
6S70-9	1000-8430
6S70-11	1000-8440
6S70-14	1000-8450

*Advise When Ordering

TYPE	P2		Q (m³/h - l/min)							
			0	30	36	42	48	54	60	66
			0	500	600	700	800	900	1000	1100
3~			H (m)							
	(HP)	(kW)								
6S70-3	7,5	5,5	39	32	28	26	22	17	13	9
6S70-4	10	7,5	52	42	37	33	30	25	19	12
6S70-6	12,5	9,2	78	62	57	51	44	36	27	18
6S70-7	15	11	92	72	65	58	51	41	32	22
6S70-8	17,5	13	104	83	75	66	57	49	38	25
6S70-9	20	15	117	94	85	76	66	55	42	30
6S70-11	25	18,5	143	114	102	91	78	66	51	36
6S70-14	30	22	183	145	131	118	102	85	67	47



TYPE	DIMENSIONS (mm)			Kg
	D max	L tot. 1~	DNM	
6S13-9	145	1305	2" 1/2 G	54.3
6S13-13	145	1490	2" 1/2 G	58.5
6S13-17	145	1665	2" 1/2 G	62.6
6S13-21	145	1820	2" 1/2 G	67.9
6S13-25	145	2075	2" 1/2 G	73.1
6S13-29	145	2225	2" 1/2 G	77.3
6S18-6	145	1190	2" 1/2 G	52.6
6S18-10	145	1375	2" 1/2 G	56.8
6S18-13	145	1520	2" 1/2 G	60.5
6S18-16	145	1630	2" 1/2 G	65.1
6S18-19	145	1845	2" 1/2 G	69.8
6S18-21	145	1920	2" 1/2 G	72.9
6S18-24	145	2095	2" 1/2 G	78.6
6S3-30	145	2445	2" 1/2 G	93.9
6S25-8	145	1275	2" 1/2 G	53.4
6S25-12	145	1460	2" 1/2 G	57.5
6S25-15	145	1610	2" 1/2 G	61.5
6S25-18	145	1725	2" 1/2 G	65.7
6S25-23	145	2020	2" 1/2 G	71.3
6S25-26	145	2190	2" 1/2 G	76
6S25-30	145	2405	2" 1/2 G	82.2
6S25-38	145	2785	2" 1/2 G	97.6
6S36-6	145	1335	2" 1/2 G	55.6
6S36-8	145	1480	2" 1/2 G	59.2
6S36-10	145	1590	2" 1/2 G	63.8
6S36-12	145	1805	2" 1/2 G	68.4
6S36-14	145	1920	2" 1/2 G	72
6S36-16	145	2092	2" 1/2 G	77.6
6S36-20	145	2445	2" 1/2 G	92.1
6S36-24	145	2730	2" 1/2 G	100.7
6S48-4	145	1230	3" G	54
6S48-5	145	1320	3" G	57.8
6S48-6	145	1380	3" G	61.5
6S48-8	145	1600	3" G	66
6S48-9	145	1660	3" G	68.8
6S48-10	145	1780	3" G	73.5
6S48-12	145	1975	3" G	86
6S48-15	145	2215	3" G	93.3
6S70-3	145	1170	3" G	53.3
6S70-4	145	1260	3" G	56
6S70-6	145	1380	3" G	61.5
6S70-7	145	1540	3" G	65.2
6S70-8	145	1600	3" G	68
6S70-9	145	1720	3" G	72.8
6S70-11	145	1910	3" G	85.2
6S70-14	145	2155	3" G	92.6

For the complete catalogue please contact our Sales Dpt.

EN•E•RN•RG•R

Submersible pumps with radial and semi-axle impellers for 6" and 14" wells

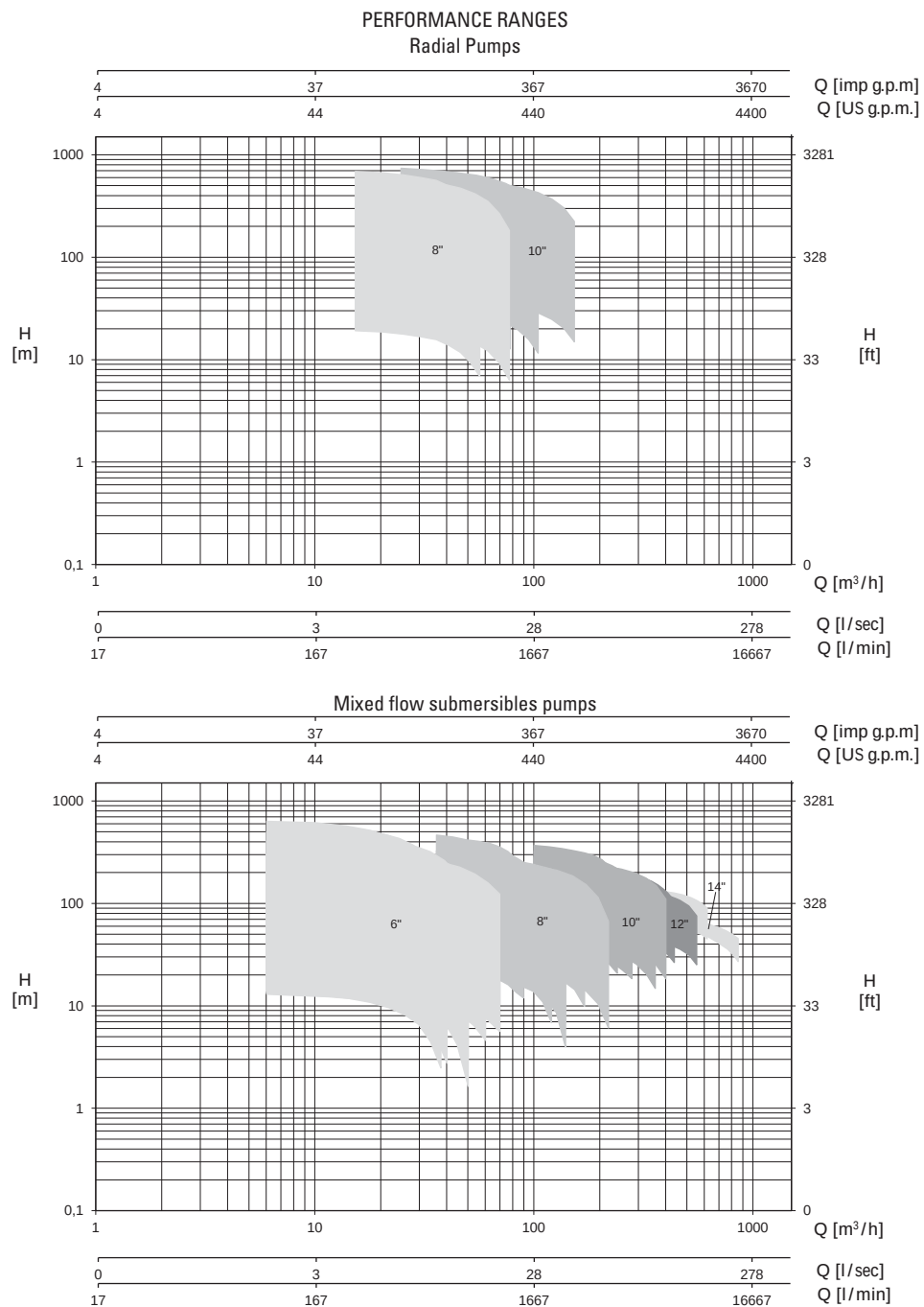


— EN.E.RN.RG.R

Multi-stage centrifugal electrical pump with radial or semi-axle impellers with threaded and flanged connections (upon request), the pumps are all equipped with check valve in the delivery body.

PUMP BODY

- Max. contents of solid: 40 g/m³
- Max. working time with closed outlet: 4 minutes
- The hydraulic working characteristics have been taken with water at 15° C, at the atmospheric pressure of 1 bar and they are guaranteed according to ISO 9906 Degree 2. Annexe A for product line pumps and for pumps with required power lower than 10 K W.
- Pumps in standard execution are fitted to vertical installation; horizontal installation on request.
- Hydraulic performance does not include the loading losses in non-return valves.



ELECTRONIC FLOW CONTROL



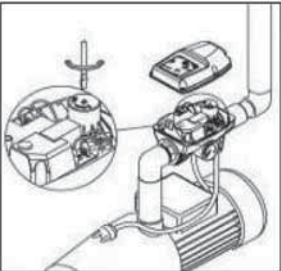
HIDROMATIC H1

TECHNICAL DATA	
Power supply	110-127v 50/60Hz 220-240v 50/60Hz
Max rated current	12 A
Starting pressure range	1 - 3,5 bar
Max pressure	10 bar
Protection degree	IP65
Max fluid temperature	55 °C
Max ambient temperature	55 °C

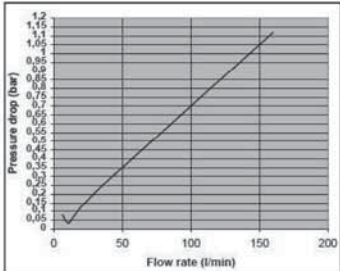
TYPE	CODE
HIDROMATIC H1	1000-6190

HIDROMATIC H1

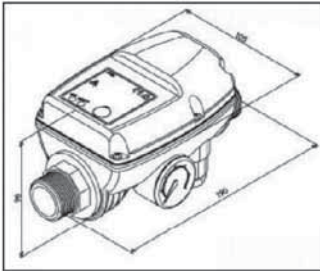
1. Complete replacement of the traditional water system set, consisting of pressure switch and pressure tank
2. Control the starting of the electric pump after a pressure decrease (taps opening) and stopping the fluid flow is interrupted at the maximum pressure level of the electric pump (taps closing)
3. Protection against dry running
4. Starting pressure adjustable during the installation
5. Standard 1" M hydraulic connections
6. Installation in any position – both vertical and horizontal according to the flow direction
7. Easily replaceable electronic printed circuit board
8. No need of maintenance



CUT-IN PRESSURE
ADJUSTMENT



PRESSURE DROP
DIAGRAM



OVERALL DIMENSIONS

HIDROTANK H1

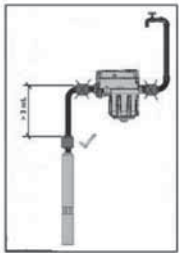
1. Automatic start and stop operations of single-phase electric pumps up to 2 Hp
2. Replacement of the traditional water system set consisting of pressure switch and pressure tank
3. Control the starting of the electric pump after a pressure decrease (taps opening) and stopping the fluid flow is interrupted at the maximum pressure level of the electric pumps (taps closing)
4. Protection against dry running
5. Starting pressure adjustable during the installation
6. Standard 1" M hydraulic connections
7. Installation in any position – both vertical and horizontal – according to the flow direction
8. Easily replaceable electronic printed circuit board
9. No need of maintenance
10. Thanks to the 0,4 lt. tank it protects from the frequent start-stop required by small request of water and from any losses into the system
11. Protection of the electronic board thanks to the new watertight compartment
12. Protection from water-hammer
13. New design and new concept
14. Built in 0,4 lt. tank
15. Built in pressure gauge
16. Watertight electronic part



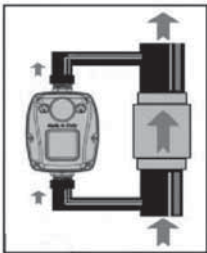
HIDROTANK H1

TECHNICAL DATA	
Power supply	220-240v 50/60Hz
Max rated current	12 A
Starting pressure range	1 - 3,5 bar
Max pressure	10 bar
Protection degree	IP65
Max fluid temperature	55 °C
Max ambient temperature	55 °C

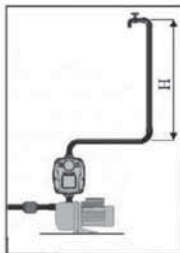
TYPE	CODE
HIDROTANK H1	1000-6180



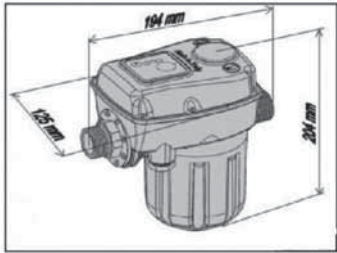
INSTALLATION WITH
SUB. LE PUMPS



BY - PASS



H_{MAX} = 35 mt



OVERALL DIMENSIONS

EPIC is the ideal solution for the production of booster sets with a maximum of 2 pumps connected in COMBO (parallel).

To turn On/Off, the booster simply switch on one of the two inverters.

The two EPIC both with pressure sensor and connected together will automatically enter into the Master/Slave configuration and further settings are not required. EPIC will distribute the work on the basis of the real working time of each pump, ensuring the same load on both pumps.

In case of failure of an inverter and/or the pump connected to it the second inverter automatically takes over to ensure the water supply.

EPIC is a device for the control and protection of pumping systems based on the variation of the input frequency of the pump.

EPIC controls the operation of the pump in order to maintain constant pressure at various conditions of use.

Advantages of the EPIC:

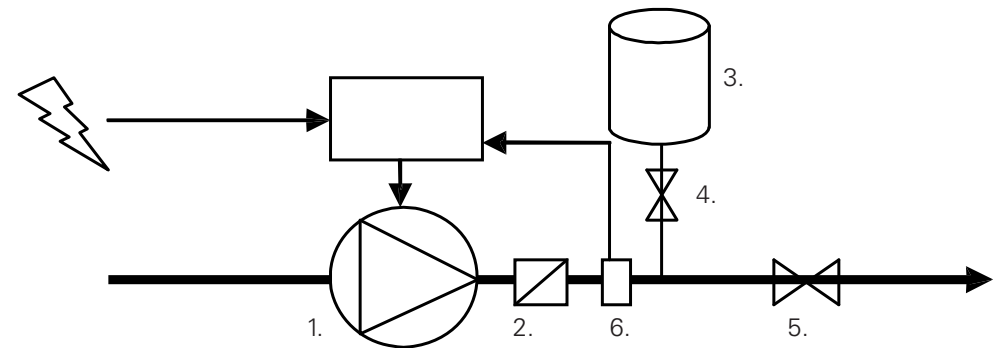
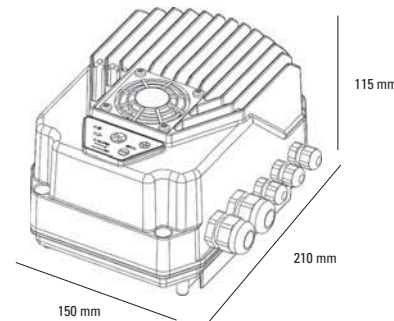
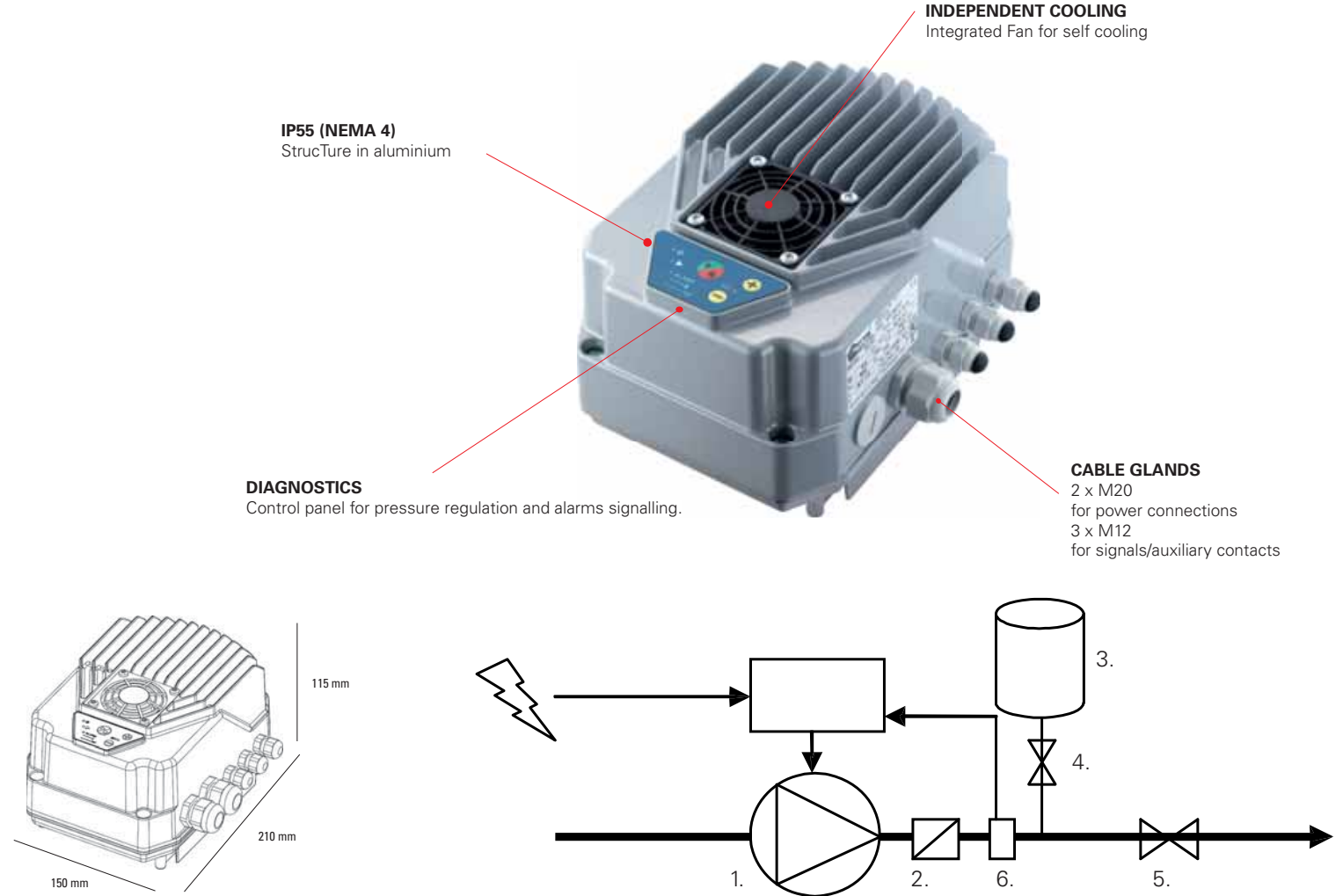
- Energy and cost savings
- Integrated on PENTAX pumps
- Simplified installation and lower installation costs
- Overload protection of the motor with maximum current setting
- Protection against dry running (adjustable power factor $\cos\phi$)
- Automatic restart in case of arrest for dry running
- Remote starting and stopping via digital inputs
- Soft start and stop to increase the life of the system and reduce the absorption peaks
- Connection to another EPIC to achieve alternating combined operation
- Fuse for input protection of the device
- Recognition and signalling alarms during operation by blinking frequency of the LEDs
- Contacts (NO or NC) for connection of remote alarms
- Integrated electronic power factor corrector (PFC) to ensure compliance to EN61000-3-2.

INTEGRATED ON THE PUMP

EPIC can be installed on three-phase pumps as per table 1. When provided on board the pump, the inverter is ready to use as the settings are made during the assembly.

60 Hz ENGINES

EPIC is designed to control and protect electric pumps with 60 Hz frequency. It is sufficient to set the frequency on the dip switches located in the inverter board.



V in ($\pm 15\%$)	V out	I line max	I out max	P2	
1-230 V	3-230 V	11 A	7,5 A	2,5 HP	2,5

Frequency..... 48-62 Hz
 Max ambient temperature..... 40°C (104°F)
 Max humidity..... 50% a 40°C (without condensation)
 Max altitude..... 1000 m
 PWM configurable..... 2,5; 8 KHz
 Complies with the electromagnetic conformity directive

1. Pump
 2. Non return Valve
 3. Pressure Tank
 4. Valve – Tap
 5. Valve
 6. Pressure Sensor
- Pressure Tank Volume suggested: 10% of the capacity of the system

-IPFC INVERTER-



IPFC 109-114-306-309-311



IPFC 314-318-325

Is a frequency changer (Inverter) specifically designed for the control and protection of electric pumps. Connected to any electric pumps it regulates the motor speed in order to manage the pumps performance in relation to the operating conditions and requests of the system. Consists in compact electronic units equipped with microprocessor contained in an aluminium structure that grants compactness, cooling ease, lightness and versatility.

The advantages of the IPFC with any pump:

- Energy saving
- Simple Installation
- Overload protection
- Dry running protection
- Noise reduction
- Soft Start & Stop
- Protection of a second pump, without Inverter, from dry running and overload
- Installation options: directly on the motor cover of the pump or wall installation.

TYPE	IPFC 109	IPFC 114	IPFC 306	IPFC 309	IPFC 311	IPFC 314	IPFC 318	IPFC 325	IPFC 330	IPFC 338	IPFC 348	IPFC 365	IPFC 375	IPFC 385
Input rated voltage	1 x 230 v ± 15%		3 x 400 v ± 15%											
Output rated voltage	1 x 230 v 3 x 230 v		3 x 400 v											
Output rated current	9 A 1~ 7 A 3~	9 A 1~ 11 A 3~	6 A 3~	9 A 3~	11 A 3~	14 A 3~	18 A 3~	25 A 3~	30 A 3~	38 A 3~	48 A 3~	65 A 3~	75 A 3~	85 A 3~
Output rated power	1,1 kW 1~ 1,5 kW 3~	1,1 kW 1~ 3 kW 3~	2,2 kW 3~	4 kW 3~	4 kW 3~	5,5 kW 3~	7,5 kW 3~	11 kW 3~	15 kW 3~	18,5 kW 3~	22 kW 3~	30 kW 3~	37 kW 3~	45 kW 3~
Max motor current	7,2 A 1~ 6,3 A 3~	7,2 A 1~ 9,9 A 3~	5,4 A 3~	8,1 A 3~	9,9 A 3~	12,6 A 3~	16,2 A 3~	22,5 A 3~	27 A 3~	34,2 A 3~	43,2 A 3~	58,5 A 3~	67,5 A 3~	76,5 A 3~
Input frequency	50 - 60 Hz													
PWM frequency	2,5 - 4 - 6 - 8 - 10 - 12 kHz settable													
Control panel	backlight LCD with 2 x 16 characters and buzzer / Bluetooth® SMART 4,0													
Input analogical signals	4 x 4 - 20 mA													
Input digital signals	2													
Communication	RS485 / Bluetooth SMART 4,0													
2 DOL Auxiliary pump contacts	clean, NO, 230 V, I _{max} , 6 A													
Cooling	Auxiliar built-in cooling fan /mot fan													
Protection degree	IP55 (IP54 for IPFC 338 <> IPFC 385)													
Assembly	wall mounted or fan cover mounted													
Max ambient temperature	40° C													
Max ambient altitude	1000 m slm / de-rate 2% each 100 m													
Input / Output feeding cable	2 x PG 13,5 + 3 x PG 9													



SPD

SPD PRESSURE TRANSDUCER

TYPE	Output signal	Input voltage	Working pressure	Maximum pressure
SPD	4... 20 mA	9... 28 v	0 - 25 bar	32 bar

ULTRA V + EPIC



U3-90 4T + EPIC



SUPERDOMUS + EPIC USD ULTRA 5S 150/5



U18 SL-750/8 + IPFC



U9 SLX-300/6 + IPFC

EPIC	
TYPE	CODE
EPIC C/W TRANSDUCER	1000-9500

TYPE	IPFC		CODE
	POWER P2 (kW)	OUTPUT RATED CURRENT (A)	
IPFC 109	1.1 kW 1~	9 A 1~	1000-9505
	1.1 kW 3~	7 A 3~	
IPFC 114	1.1 kW 1~	9 A 1~	1000-9510
	3.0 kW 3~	11 A 3~	
IPFC 306	2.2 kW 3~	6 A 3~	1000-9515
IPFC 309	4.0 kW 3~	9 A 3~	1000-9520
IPFC 311	5.0 kW 3~	11 A 3~	1000-9525
IPFC 314	5.5 kW 3~	14 A 3~	1000-9530
IPFC 318	7.5 kW 3~	18 A 3~	1000-9535
IPFC 325	11 kW 3~	25 A 3~	1000-9540
IPFC 330	15 kW 3~	30 A 3~	1000-9545
IPFC 338	18.5 kW 3~	38 A 3~	1000-9550
IPFC 348	22 kW 3~	48 A 3~	1000-9560
IPFC 365	30 kW 3~	65 A 3~	1000-9565
IPFC 375	37 kW 3~	75 A 3~	1000-9570
IPFC 385	45 kW 3~	85 A 3~	1000-9575

*With Wall Kit & Pump Assembly Kit/without transducer

PRESSURE TRANSDUCER	CODE
SPD 0-16 BAR (EPIC)	1000-9590
SPD 0-25 BAR (IPFC)	1000-9595

-ACCESSORIES-



Please see our main catalogue

W. ROBINSON EUROPE B.V.



PUMPS AND PUMPING





Sewage
Drainage
Irrigation
Boosting
Boreholes
Jet Pumps
Multistage
Fuel Oil

W. ROBINSON EUROPE B.V.

t: +31-(0)186-613331 **f:** +31-(0)186-627077 **e:** verkoop@pump.co.uk

www.robinsonpompen.nl

