



VAMA

PUMPS

4", 6" SERIES
Plastic Submersible Pumps



100% MADE IN ITALY

INDEX



COMPANY PROFILE

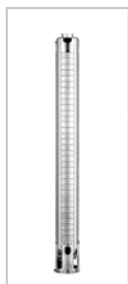
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GENERAL DATA

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VAMA Pumps is a specialized Pumps Manufacturer Focused on the main production of Stainless Steel Submersible and Vertical Multistage Pumps . It has been founded in 1968 and its first main production was based on the manufacturing of Submersible Motors and Pumps Spare Parts.

In 1974 it start its own production of Submersible Pumps and motors upon 100 Hp and enlarge the production in 1982 up to 300 Hp and 12" Pumps diameter. Thanks to the employment of realible Engineers and Marketing Manager it had expanded the Market activity along European Market and Middle East Countries and in 1988 had remark its presence in Maghreb Areas and Central Africa.

In 1994 the Owner and Marketing General Manager has been amazed by the Extreme High and realible efficiency and application flexibility of the Stainless Steel Submersible Pumps and has seen a shining future of this kind of products. Starting from 1995 the Designing, Project and Production of new line of 4" and 6" Stainless Steel Pumps has been kick started getting an unexpected success in the market and rise up the presence of company in the key position markets in few years making it one of the main Stainless Steel Pump manufacturer in the World.

Thanks to this initial success VAMA has start and complete the production of new Serie of Stainless Steel Pumps to 8", 10" & 12" bore hole application developing pumps up to 250 Kw power.

In 2011 **VAMA** has a further development in its production activity, thanks to the support of its main and most important Customers it has start the Production of Complete Set for Pumps' station including Horizontal Multistage Pumps , Pipes and Fitting installation, Surge Tank against Water Hammer Strikes and High Technology Telemetric SCADA Controls Systems for Water Treatment and Authomatic Pumping Station Management.



Harare SCADA control room



Impeller vanes



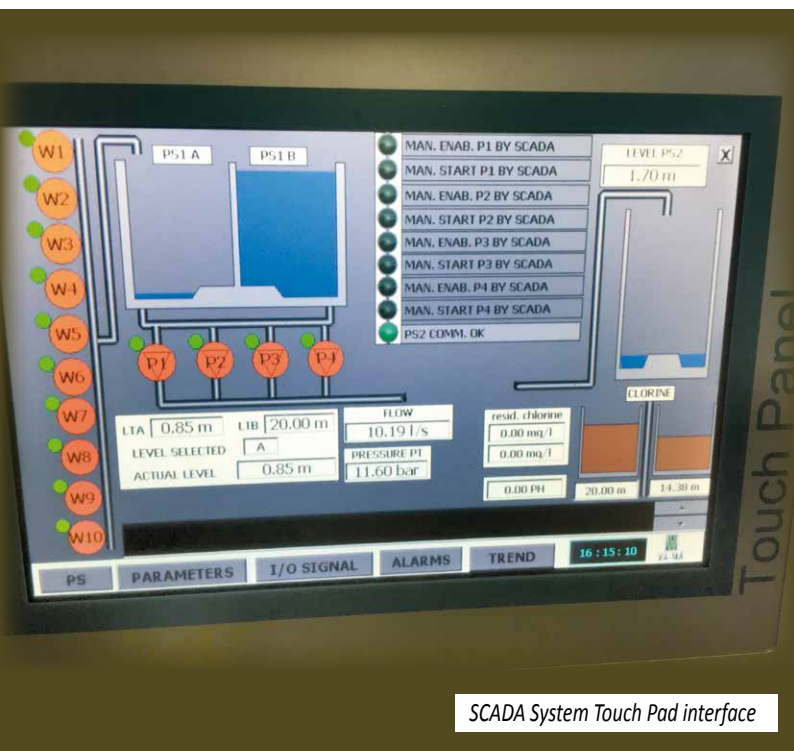
CNC Lathe machining operation



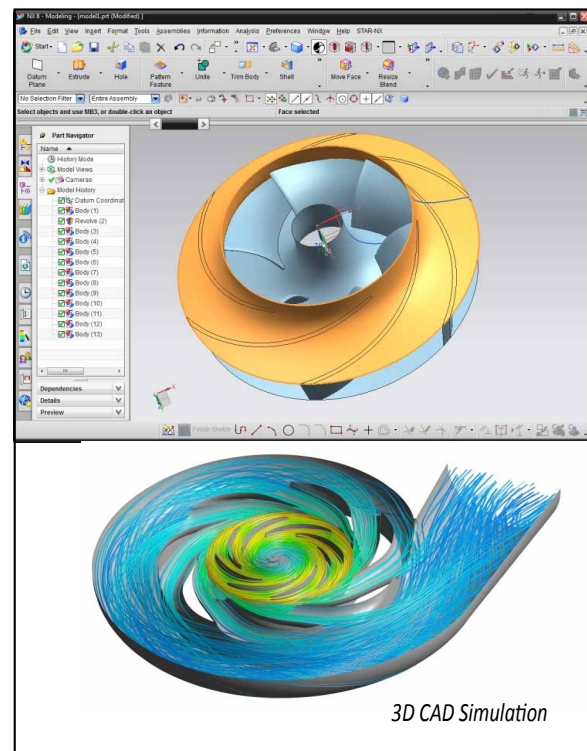
Impeller vane production



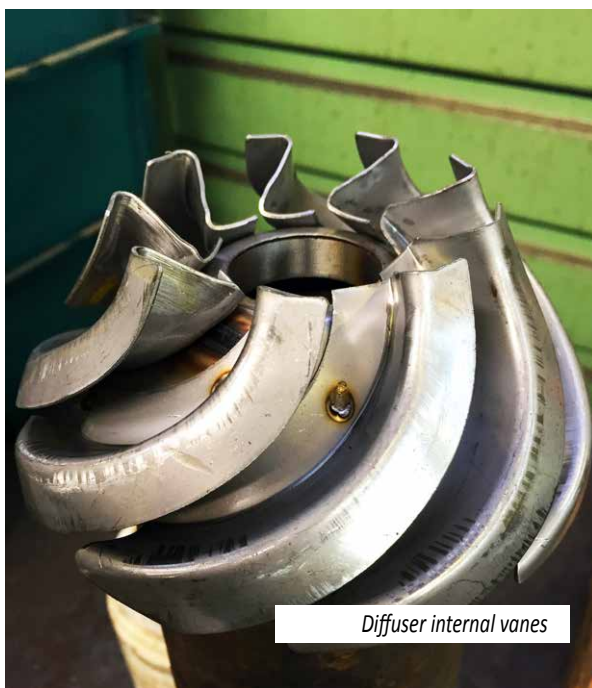
Sabeta pumping station



SCADA System Touch Pad interface



3D CAD Simulation



Diffuser internal vanes



Coil pressing operation



C E R T I F I C A T E

Certificato n. **15-Q-0200551-TIC**
Certificate No.

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM
OPERATED BY



VA.MA S.r.l.
Via Partigiani d'Italia 20
42025 Cavriago RE ITALY

È CONFORME AI REQUISITI DELLA NORMA
IS IN COMPLIANCE WITH THE REQUIREMENTS OF STANDARD

ISO 9001:2015

QUESTO CERTIFICATO È VALIDO PER LE SEGUENTI ATTIVITÀ
THIS CERTIFICATE IS VALID FOR THE FOLLOWING ACTIVITIES

**Progettazione e produzione di pompe sommerse, pompe di
superficie e gruppi di pompaggio**

**Design and production of submersible pumps, surface pumps
and pumping groups**

MEDIANTE UN AUDIT, RAPPORTO n. **RR-0718-Q-TIC-MS-0200551-15**
AN AUDIT WAS PERFORMED, REPORT No.

Data di prima emissione **03.08.2015** Data di scadenza **02.08.2021**
First issuing Expiring date



Deutsche
Akkreditierungsstelle
D-ZM-16012-01-00



Bonn 26.07.2018

L. Lindenblatt

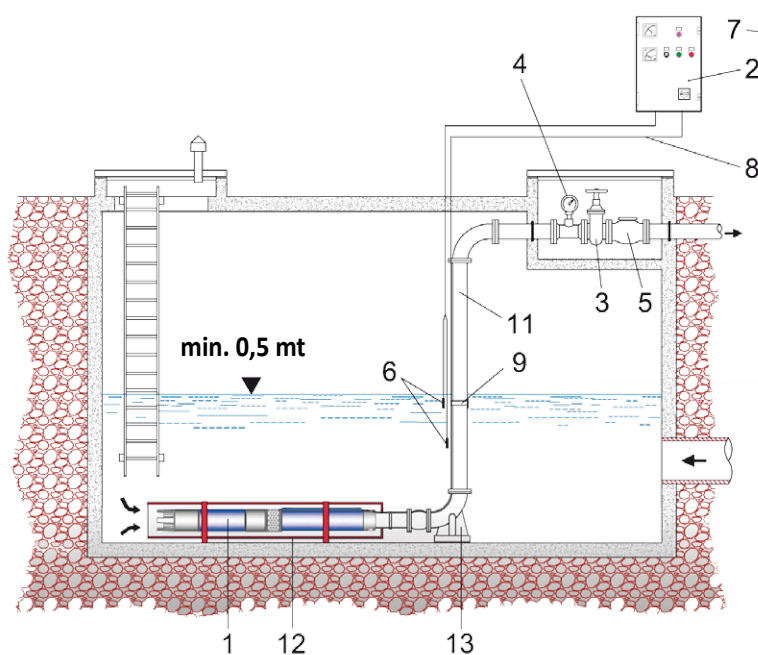
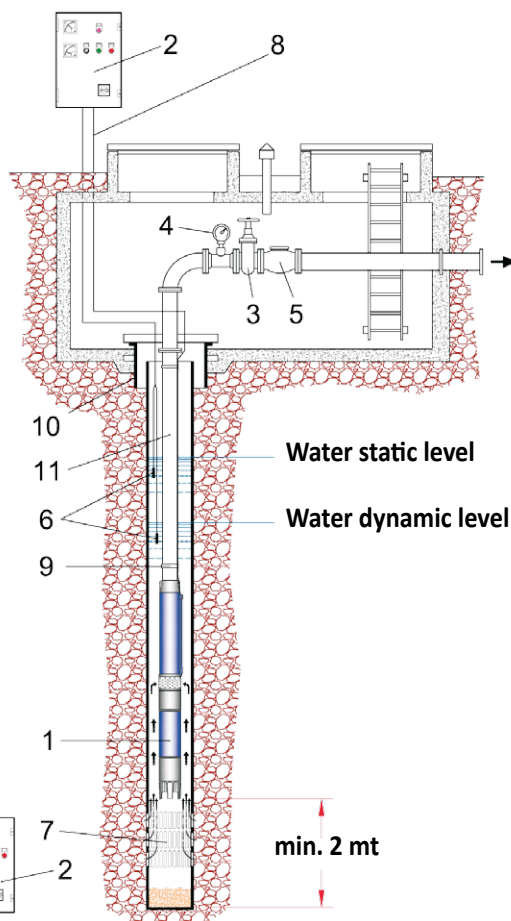
Dipl.- Ing. K. Lindenblatt

TÜV INTERCERT Certification Body



TÜV INTERCERT GmbH - Group of TÜV Saarland · Am Bonner Bogen 2 · 53227 Bonn GERMANY
www.tuv-intercert.org

- 1** Submersible electropump
- 2** Electric control panel
- 3** Gate valve
- 4** Pressure gauge
- 5** Non-return valve
- 6** Level control detectors
- 7** Well strainer
- 8** Power supply cable
- 9** Cable clips
- 10** Watertight head
- 11** Delivery pipe
- 12** Cooling sleeve
- 13** Pipe clamps





Discharge Head and Motor

Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impellers are floating type made with Noryl®

for a superior sand handling. Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance. The materials are FDA compliant materials.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Strainer is made from stamped 304 stainless steel for rigidity.

Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

Bearing is made with Polyacetal for strong wear and abrasive resistance.

Pump body is covered by a 1.5mm thick 304 polished stainless steel casing, ensures optimum resistance to abrasion.

APPLICATIONS

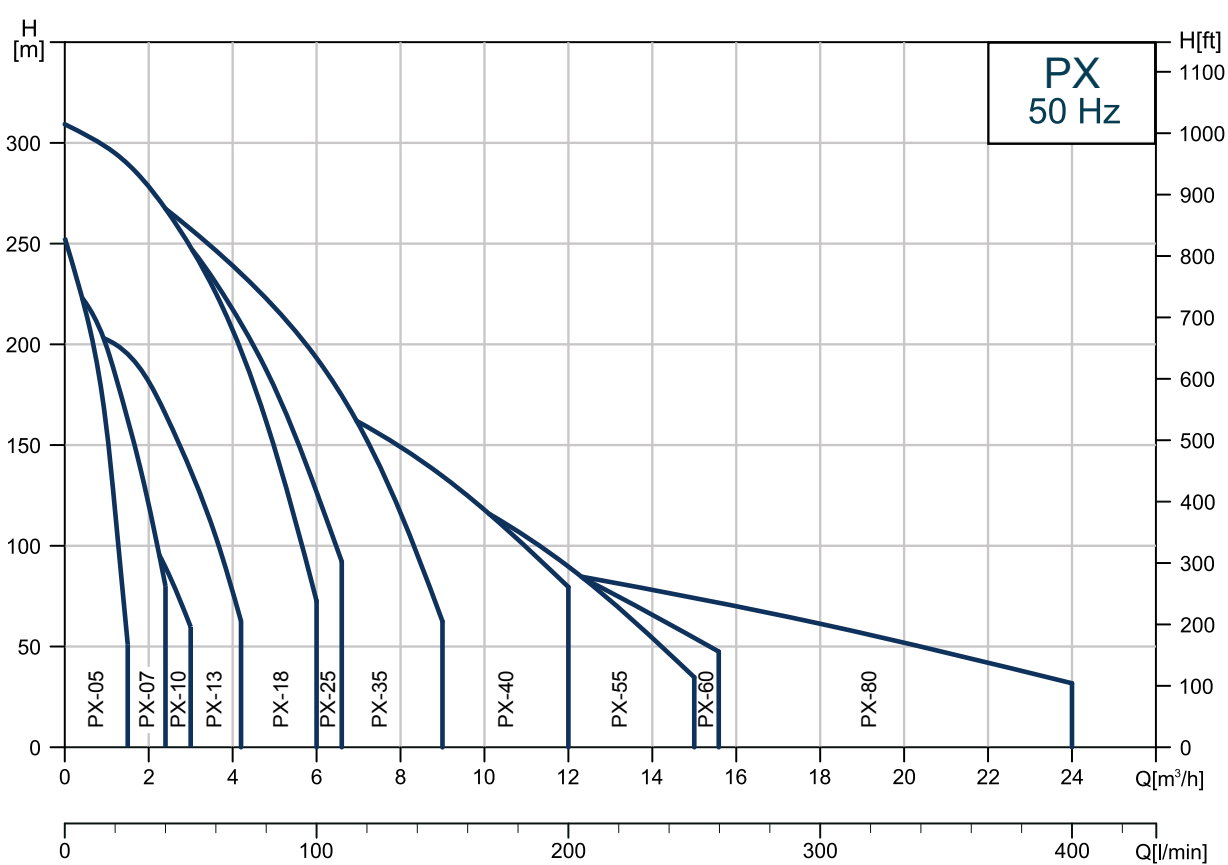
- Water Supply
- Irrigation
- Pressure Boosting

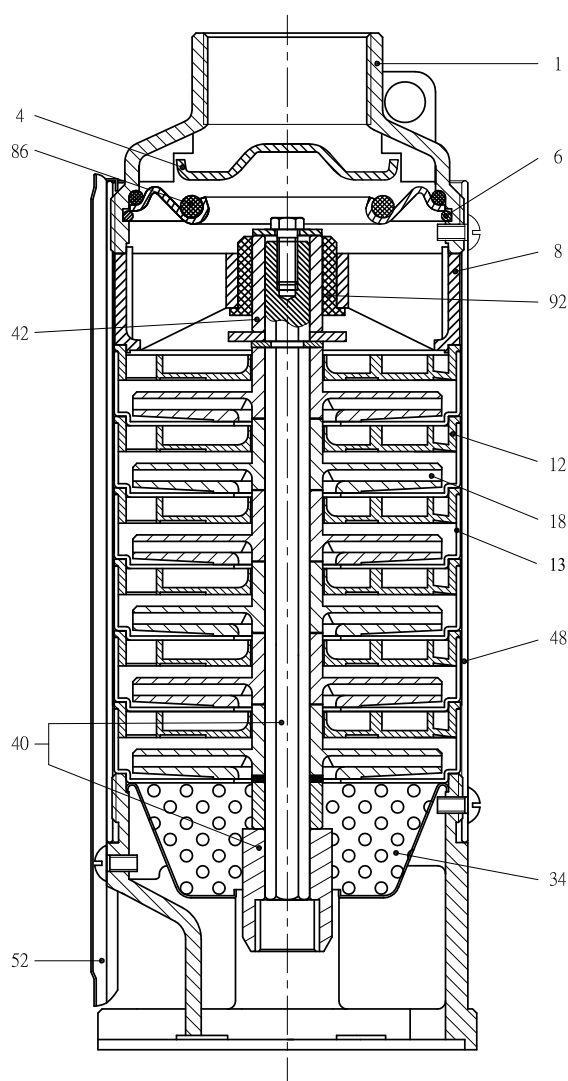
GENERAL SPECIFICATIONS PUMP

- Delivery: up to 24 m³/h at 2850 rpm
- Head: up to 322 m at 2850 rpm
- Maximum permissible quantity of sand: 150g/m³
- PX-5 / PX-7 / PX-10 / PX-13 / PX-18 models Rp 1 1/4" discharge.
- PX-25 model 1 1/2" discharge.
- PX-35 / PX-40 / PX-55 / PX-60 / PX-80 models Rp 2" discharge
- Motor Power: from 0.37 to 7.5 kW.

MOTOR

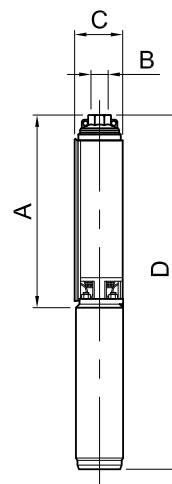
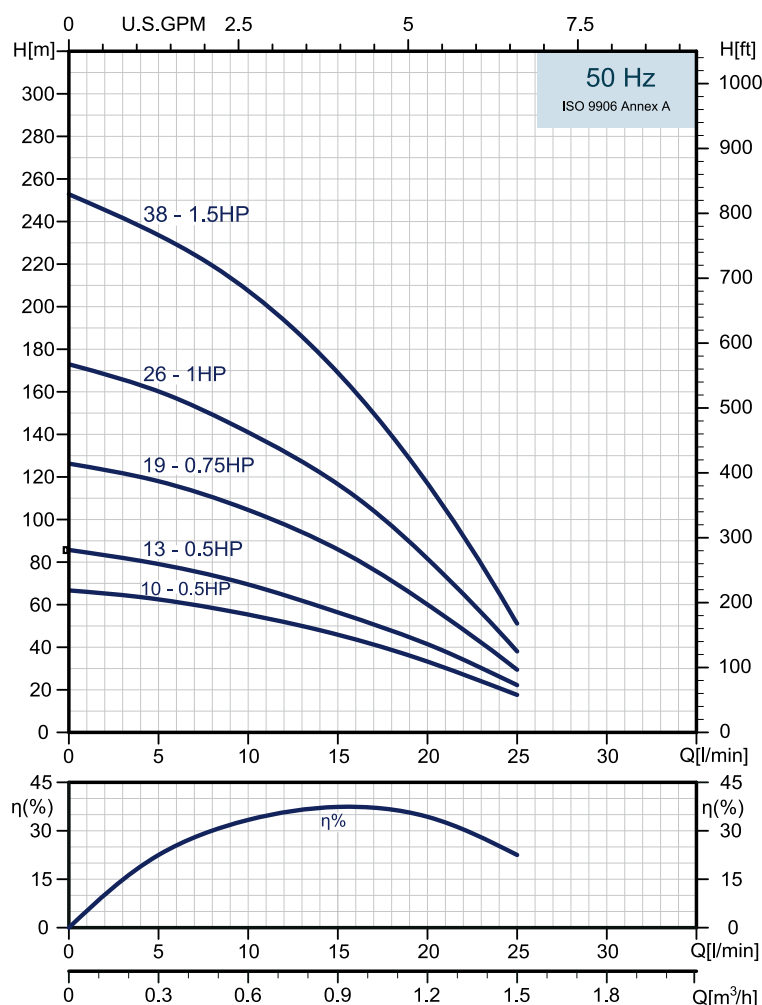
Flange	4" NEMA standard
Degree of protection	IP 68
Insulation class	F
Single phase motors	0.37 kW up to 4 kW
Three phase motors	0.37 kW up to 7.5 kW
Standard voltages	1~ 220V-230V 3~ 230V or 400V
Cable length	1.7 M 0.37 kW up to 1.5 kW 2.5 M 2.2 kW up to 7.5 kW





Pos.	Part Name	Material
01	Discharge Head	AISI 304 SS
04	Check Valve Cone	AISI 304 SS
06	Check Valve retaining Ring	AISI 304 SS
08	Bearing Spider	Glass Filled Polycarbonate
12	Diffuser	Glass Filled Polycarbonate
13	Bowl	AISI 304 SS
18	Impeller	Noryl
34	Strainer	AISI 304 SS
40	Pump Shaft/ Coupling	AISI 304 SS
42	Shaft Sleeve	AISI 304 SS or Noryl
48	Pump Casing	AISI 304 SS
52	Cable Guard	AISI 304 SS
86	O-Ring	NBR
92	Bearing	Polyacetal

4" PX-5



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-5-10	324	RP/ NPT 1 1/4"	98	670
4PX-5-13	377		98	723
4PX-5-19	481		98	846
4PX-5-26	642		98	1022
4PX-5-38	864		98	1307

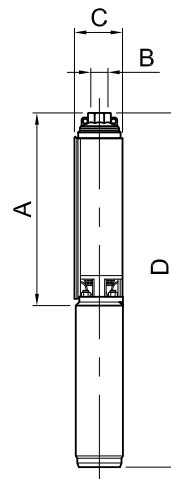
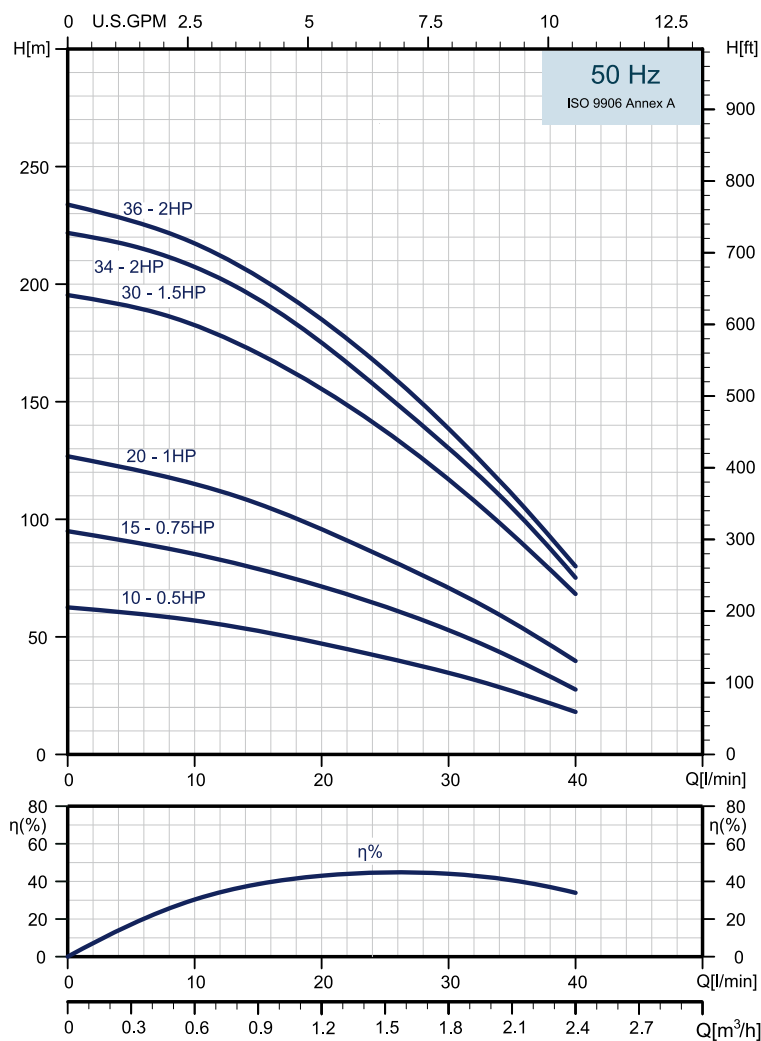
Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-5-10	324	RP/ NPT 1 1/4"	98	654
4PX-5-13	377		98	707
4PX-5-19	481		98	827
4PX-5-26	642		98	1007
4PX-5-38	864		98	1282

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY							PUMP	ELECTRO PUMP	
				l/min 0	5	10	15	20	25	30		Net Weight(kg)	
		KW	HP	m³/h 0	0.3	0.6	0.9	1.2	1.5	1.8			
		H=TOTAL HEAD IN METERS										Single phase	Three phase
4PX-5-10	10	0.37	0.5	67	63	55	46	33	18		3.3	10.6	10.0
4PX-5-13	13	0.37	0.5	86	78	70	56	42	23		3.7	11.0	10.4
4PX-5-19	19	0.55	0.75	126	118	105	86	60	30		4.7	12.9	12.1
4PX-5-26	26	0.75	1	173	160	141	117	81	39		5.8	14.6	14.0
4PX-5-38	38	1.1	1.5	253	234	208	169	117	52		9.2	19.2	18.1

4" PX-5

4" PX-7



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-7-10	330	RP/ NPT 1 1/4"	98	676
4PX-7-15	420		98	785
4PX-7-20	510		98	890
4PX-7-30	730		98	1135
4PX-7-34	833		98	1273
4PX-7-36	868		98	1308

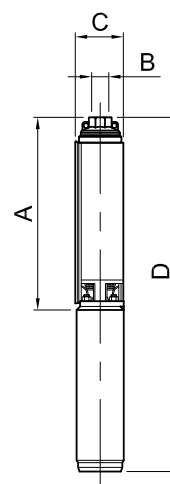
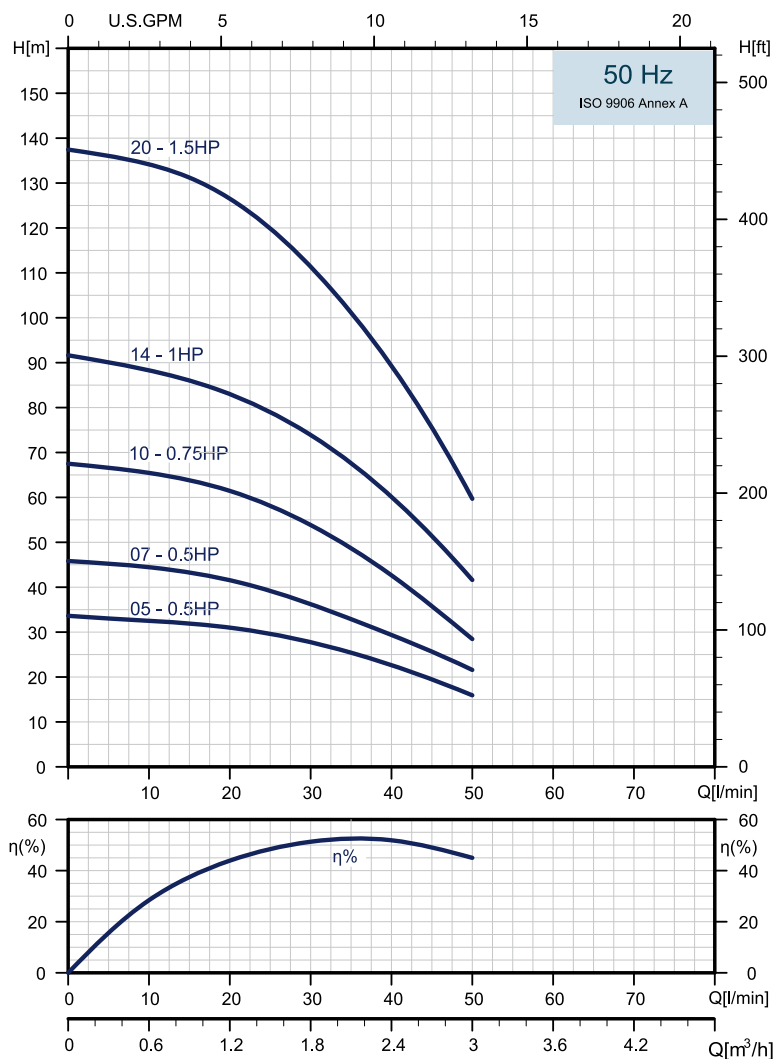
Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-7-10	330	RP/ NPT 1 1/4"	98	660
4PX-7-15	420		98	766
4PX-7-20	510		98	875
4PX-7-30	730		98	1110
4PX-7-34	833		98	1238
4PX-7-36	868		98	1273

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min 0	5	10	15	20	25	30	35	40	45	Net Weight(kg)		Single phase	Three phase			
		KW	HP	m³/h 0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7							
				H=TOTAL HEAD IN METERS																
4PX-7-10	10	0.37	0.5	63		57	53	47	42	35	27	18		3.3	10.6	10.0				
4PX-7-15	15	0.55	0.75	95		86	78	72	63	53	41	28		4.3	12.5	11.7				
4PX-7-20	20	0.75	1.0	127		115	107	96	84	71	56	40		5.3	14.1	13.5				
4PX-7-30	30	1.1	1.5	195		183	171	156	138	117	94	69		7.4	17.4	16.3				
4PX-7-34	34	1.5	2.0	222		207	194	175	154	130	104	76		9.3	20.8	19.3				
4PX-7-36	36	1.5	2.0	234		217	203	185	164	138	110	80		9.8	21.3	19.8				

4" PX-10

4" PX-10



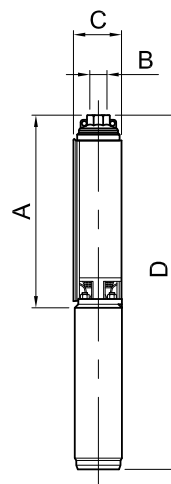
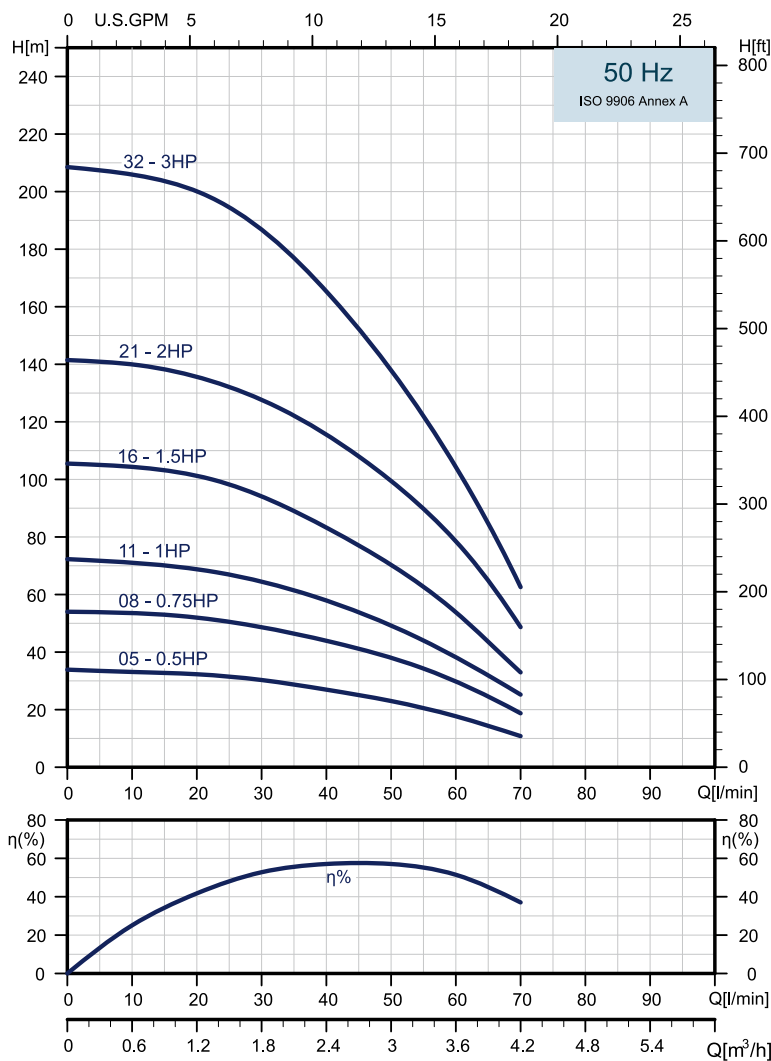
Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-10-05	236	RP/ NPT 1 1/4"	98	582
4PX-10-07	271		98	617
4PX-10-10	324		98	689
4PX-10-14	394		98	774
4PX-10-20	499		98	904

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-10-05	236	RP/ NPT 1 1/4"	98	566
4PX-10-07	271		98	601
4PX-10-10	324		98	670
4PX-10-14	394		98	759
4PX-10-20	499		98	879

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min 0	10	15	20	25	30	35	40	45	50	60	Net Weight(kg)					
		KW	HP	m³/h 0	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	Net Weight(kg)					
				H=TOTAL HEAD IN METERS													Single phase		Three phase	
4PX-10-05	5	0.37	0.5	34		32	31	29	27	25	23	19	16		2.5	9.8	9.2			
4PX-10-07	7	0.37	0.5	46		43	42	39	36	33	29	26	22		2.8	10.1	9.5			
4PX-10-10	10	0.55	0.75	67		64	61	58	54	49	43	36	28		3.3	11.5	10.7			
4PX-10-14	14	0.75	1.0	92		86	83	79	74	67	60	52	42		3.9	12.7	12.1			
4PX-10-20	20	1.1	1.5	139		131	127	120	111	101	90	75	60		4.9	14.9	13.8			

4" PX-13

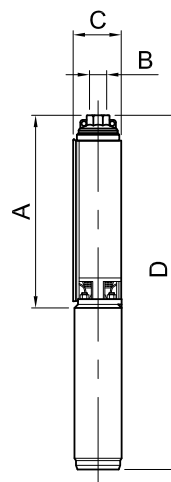
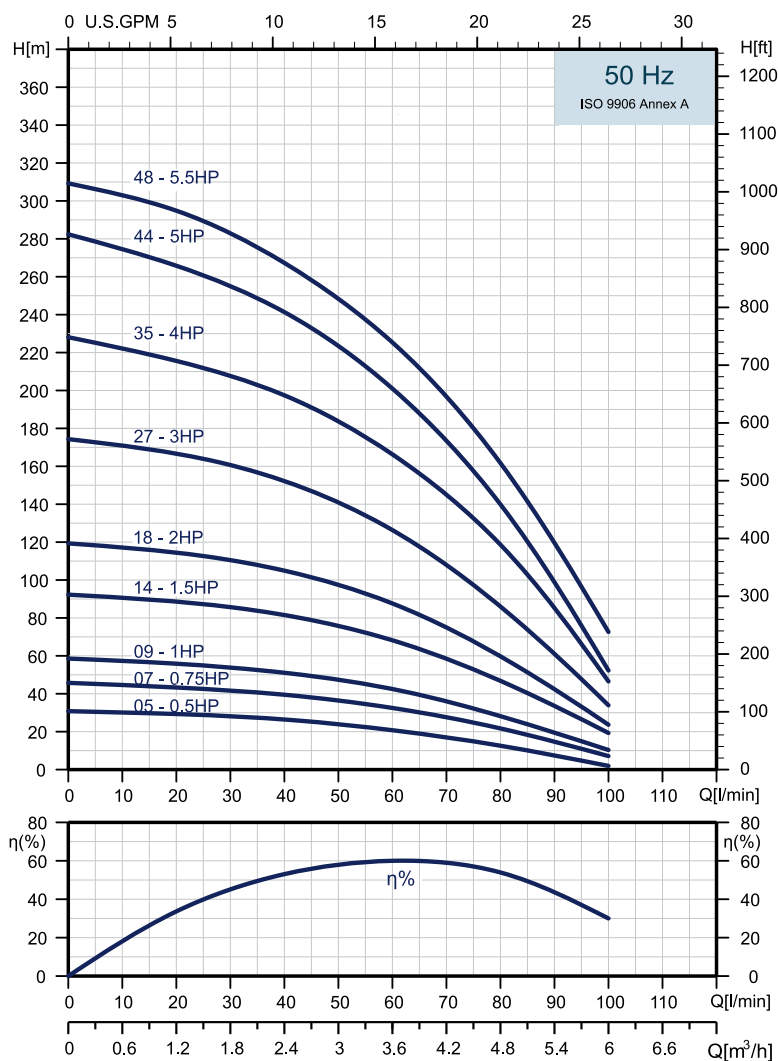


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-13-05	236	RP/ NPT 1 1/4"	98	582
4PX-13-08	289		98	654
4PX-13-11	342		98	722
4PX-13-16	430		98	835
4PX-13-21	519		98	959
4PX-13-32	787		98	1282

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-13-05	236	RP/ NPT 1 1/4"	98	566
4PX-13-08	289		98	635
4PX-13-11	342		98	707
4PX-13-16	430		98	810
4PX-13-21	519		98	924
4PX-13-32	787		98	1227

Selection Chart																				
PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min	0	15	20	25	30	35	40	45	50	60	70	80				
		KW	HP	m³/h	0	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	Net Weight(kg)			
		H=TOTAL HEAD IN METERS															Single phase		Three phase	
4PX-13-05	5	0.37	0.5	34		32	31	30	29	27	25	23	18	11		2.5	9.8	9.2		
4PX-13-08	8	0.55	0.75	54		51	50	49	46	43	41	38	30	19		2.9	11.1	10.3		
4PX-13-11	11	0.75	1.0	72		68	66	64	61	58	54	49	38	26		3.4	12.2	11.6		
4PX-13-16	16	1.1	1.5	106		101	98	95	89	83	77	70	54	33		4.2	14.2	13.1		
4PX-13-21	21	1.5	2.0	142		135	132	127	122	115	108	100	79	49		5.0	16.5	15.0		
4PX-13-32	32	2.2	3.0	208		200	194	187	177	165	152	138	104	62		8.1	22.1	19.7		

4" PX-18



Single Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-18-05	257	RP/ NPT 1 1/4"	98	603
4PX-18-07	301		98	666
4PX-18-09	344		98	724
4PX-18-14	452		98	857
4PX-18-18	538		98	978
4PX-18-27	805		98	1300
4PX-18-35	972		98	1579
4PX-18-44	1166		98	1849
4PX-18-48	1291		98	1974

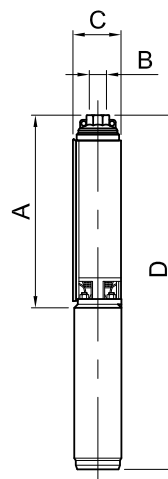
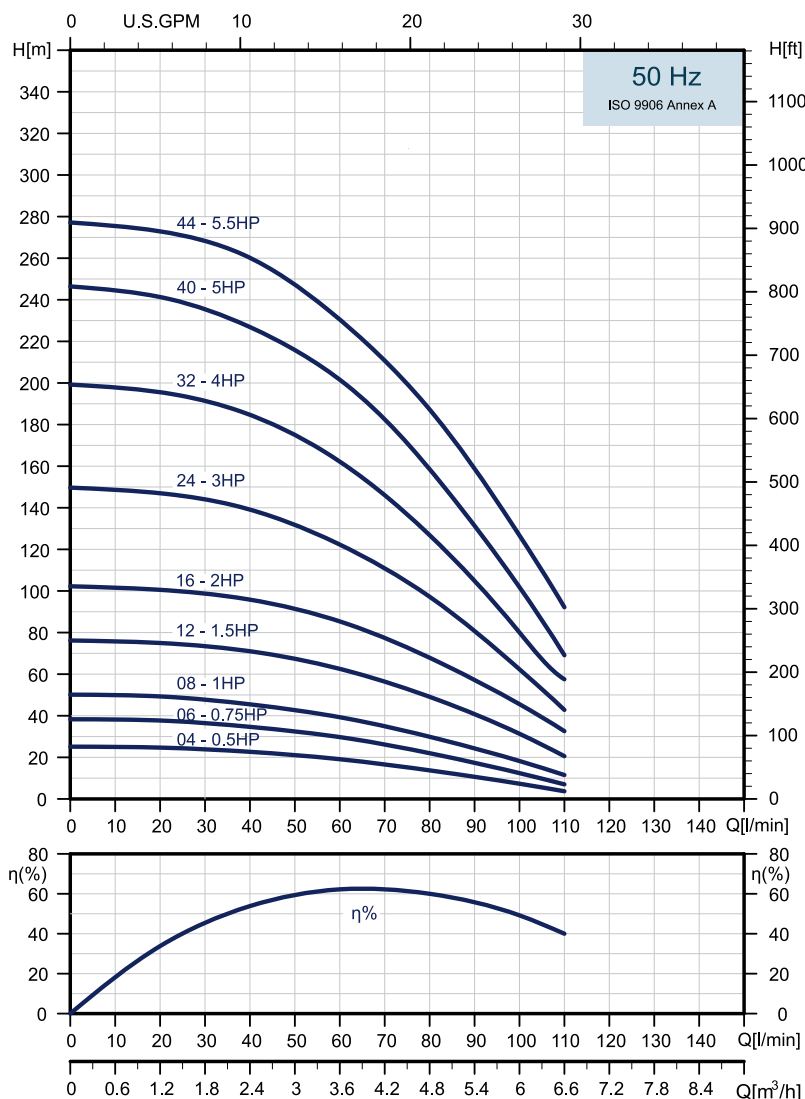
Three Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-18-05	257	RP/ NPT 1 1/4"	98	587
4PX-18-07	301		98	647
4PX-18-09	344		98	709
4PX-18-14	452		98	832
4PX-18-18	538		98	943
4PX-18-27	805		98	1245
4PX-18-35	972		98	1488
4PX-18-44	1166		98	1773
4PX-18-48	1291		98	1898

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																		PUMP	ELECTRO PUMP	
				l/min	0	20	25	30	35	40	45	50	60	70	80	90	100	120						
		KW	HP	m³/h	0	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0	7.2	Net Weight(kg)					
				H=TOTAL HEAD IN METERS																Single phase	Three phase			
4PX-18-05	5	0.37	0.5	33			29	28	27	26	25	24	21	18	13	8	3		2.7	10.0	9.4			
4PX-18-07	7	0.55	0.75	46			43	42	41	39	38	36	33	28	22	15	7		3.0	11.2	10.4			
4PX-18-09	9	0.75	1.0	59			55	54	52	51	49	47	43	37	28	20	10		3.3	12.1	11.5			
4PX-18-14	14	1.1	1.5	93			87	86	83	81	79	76	68	58	47	33	20		4.1	14.1	13.0			
4PX-18-18	18	1.5	2.0	120			113	111	108	105	102	98	88	75	60	42	25		4.7	16.2	14.7			
4PX-18-27	27	2.2	3.0	175			164	161	157	152	147	141	127	109	87	61	35		7.2	21.2	18.8			
4PX-18-35	35	3.0	4.0	228			212	208	203	197	191	184	166	145	119	85	46		8.9	28.3	24.1			
4PX-18-44	44	3.7	5.0	282			261	255	249	241	233	223	201	173	140	99	52		10.3	33.0	29.8			
4PX-18-48	48	4.0	5.5	309			289	283	276	267	258	248	225	197	162	120	73		10.9	33.7	30.4			

4" PX-18

4" PX-25



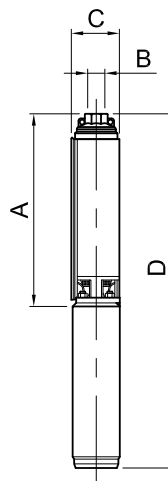
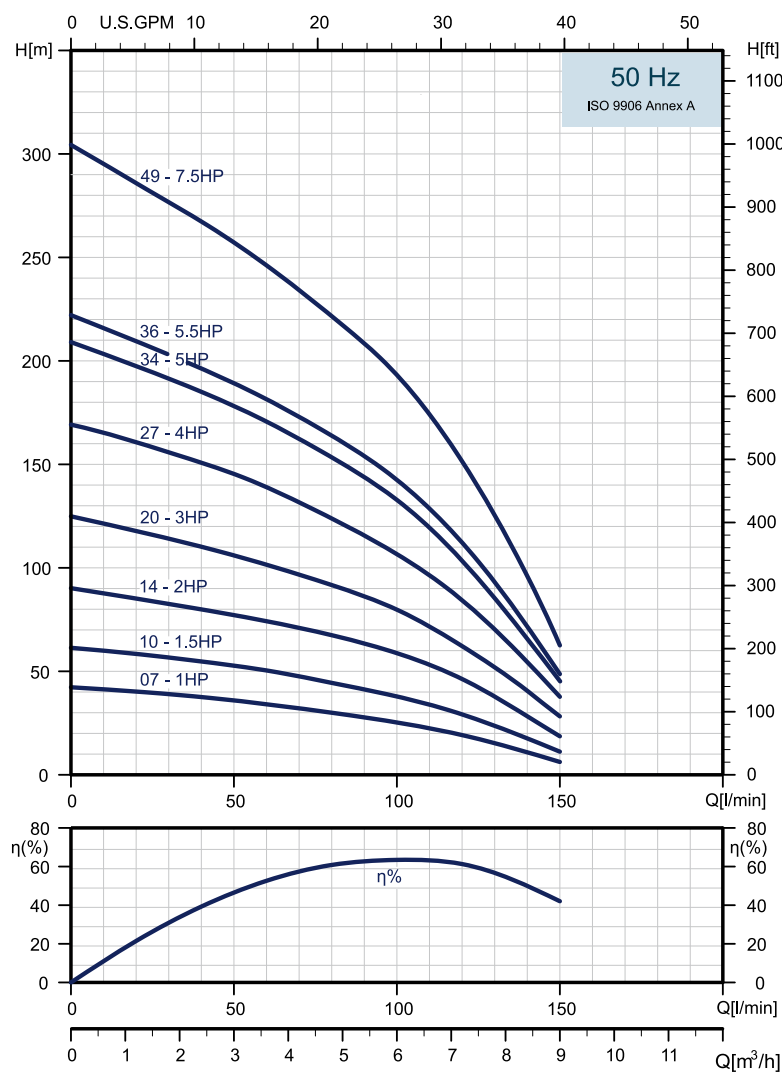
Single Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-25-04	247	RP/ NPT 1 1/2"	98	593
4PX-25-06	296		98	661
4PX-25-08	345		98	725
4PX-25-12	433		98	838
4PX-25-16	542		98	982
4PX-25-24	815		98	1310
4PX-25-32	1003		98	1610
4PX-25-40	1198		98	1881
4PX-25-44	1334		98	2071

Three Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-25-04	247	RP/ NPT 1 1/2"	98	577
4PX-25-06	296		98	642
4PX-25-08	345		98	710
4PX-25-12	433		98	813
4PX-25-16	542		98	947
4PX-25-24	815		98	1255
4PX-25-32	1003		98	1519
4PX-25-40	1198		98	1805
4PX-25-44	1334		98	1941

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min	0	30	35	40	45	50	60	70	80	90	100	120	Net Weight(kg)			
		KW	HP	m³/h	0	1.8	2.1	2.4	2.7	3.0	3.6	4.2	4.8	5.4	6.0	7.2				
				H=TOTAL HEAD IN METERS																Single phase
4PX-25-04	4	0.37	0.5	26		23	22	22	21	19	17	14	11	7		2.4	9.7	9.1		
4PX-25-06	6	0.55	0.75	38		36	35	33	32	30	26	22	18	12		2.9	11.1	10.3		
4PX-25-08	8	0.75	1.0	51		47	46	44	43	39	35	30	24	18		3.3	12.1	11.5		
4PX-25-12	12	1.1	1.5	77		72	71	69	68	63	57	49	41	31		4.1	14.1	13		
4PX-25-16	16	1.5	2.0	102		98	96	94	92	86	77	68	57	46		5.0	16.5	15		
4PX-25-24	24	2.2	3.0	151		142	139	136	132	122	111	97	80	62		7.6	21.6	19.2		
4PX-25-32	32	3.0	4.0	203		188	185	180	175	162	146	127	105	80		9.7	29.1	24.9		
4PX-25-40	40	3.7	5.0	253		232	227	222	216	202	182	159	131	102		11.4	34.1	30.9		
4PX-25-44	44	4.0	5.5	278		265	260	254	247	230	210	187	159	127		12.2	35.0	31.7		

4" PX-35



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-35-07	390	RP/ NPT 2"	98	770
4PX-35-10	483		98	888
4PX-35-14	607		98	1012
4PX-35-20	831		98	1326
4PX-35-27	1086		98	1693
4PX-35-34	1295		98	1978
4PX-35-36	1356		98	2039
4PX-35-49	1840		98	N/A

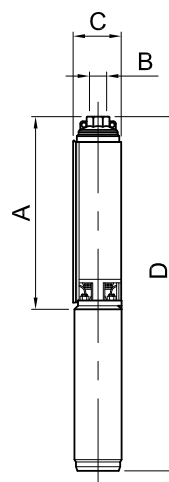
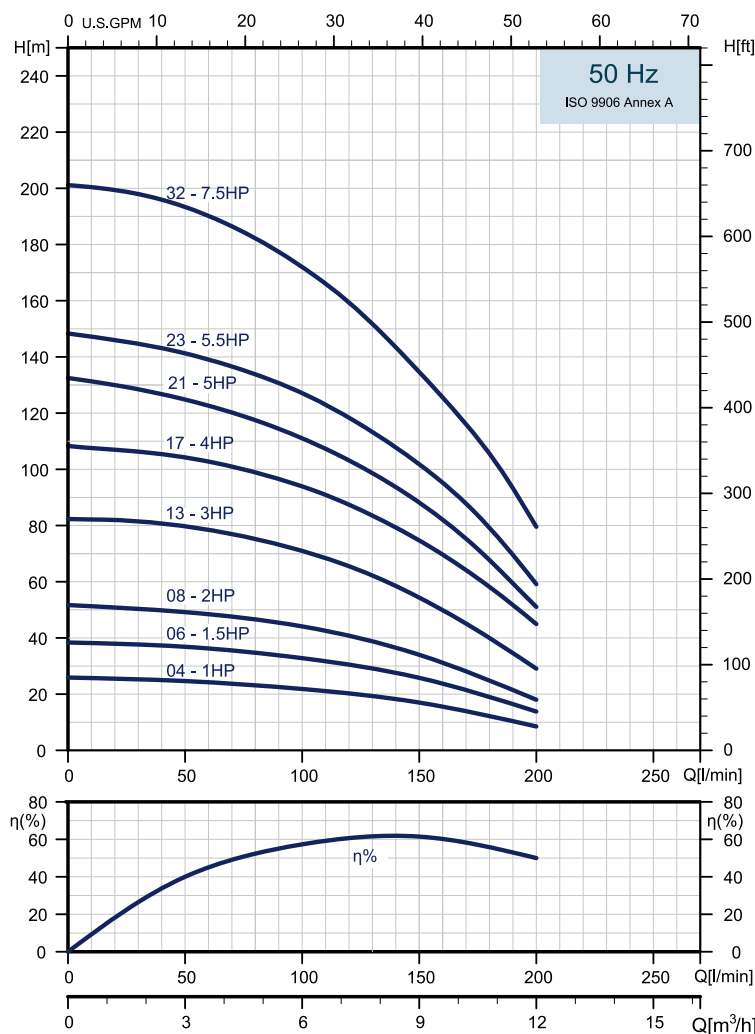
Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-35-07	390	RP/ NPT 2"	98	755
4PX-35-10	483		98	863
4PX-35-14	607		98	1012
4PX-35-20	831		98	1271
4PX-35-27	1086		98	1602
4PX-35-34	1295		98	1902
4PX-35-36	1356		98	1963
4PX-35-49	1840		98	2523

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY															PUMP	ELECTRO PUMP	
				l/min	0	45	50	60	70	80	90	100	120	140	160	Net Weight(kg)					
		KW	HP	m³/h	0	2.7	3.0	3.6	4.2	4.8	5.4	6.0	7.2	8.4	9.6						
		H=TOTAL HEAD IN METERS																Single phase		Three phase	
4PX-35-07	7	0.75	1.0	42		36	34	32	30	28	25	19	11		3.7	12.5	11.9				
4PX-35-10	10	1.1	1.5	62		53	51	48	45	41	38	29	18		4.6	14.6	13.5				
4PX-35-14	14	1.5	2.0	90		77	74	71	68	63	59	46	28		5.7	17.2	15.7				
4PX-35-20	20	2.2	3.0	125		107	102	97	92	86	80	62	40		7.5	21.5	19.1				
4PX-35-27	27	3.0	4.0	169		145	139	131	123	115	107	84	55		10.6	30.0	25.8				
4PX-35-34	34	3.7	5.0	208		178	170	162	153	143	132	103	66		12.6	35.3	32.1				
4PX-35-36	36	4	5.5	221		190	181	173	164	154	143	112	72		13.2	36.0	32.7				
4PX-35-49	49	5.5	7.5	302		257	246	234	222	209	193	151	96		16.9	N/A	40.0				

4" PX-35

4" PX-40

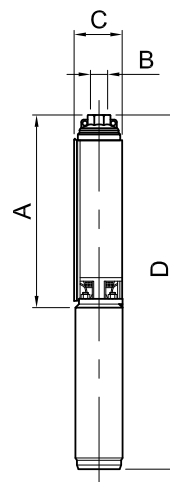
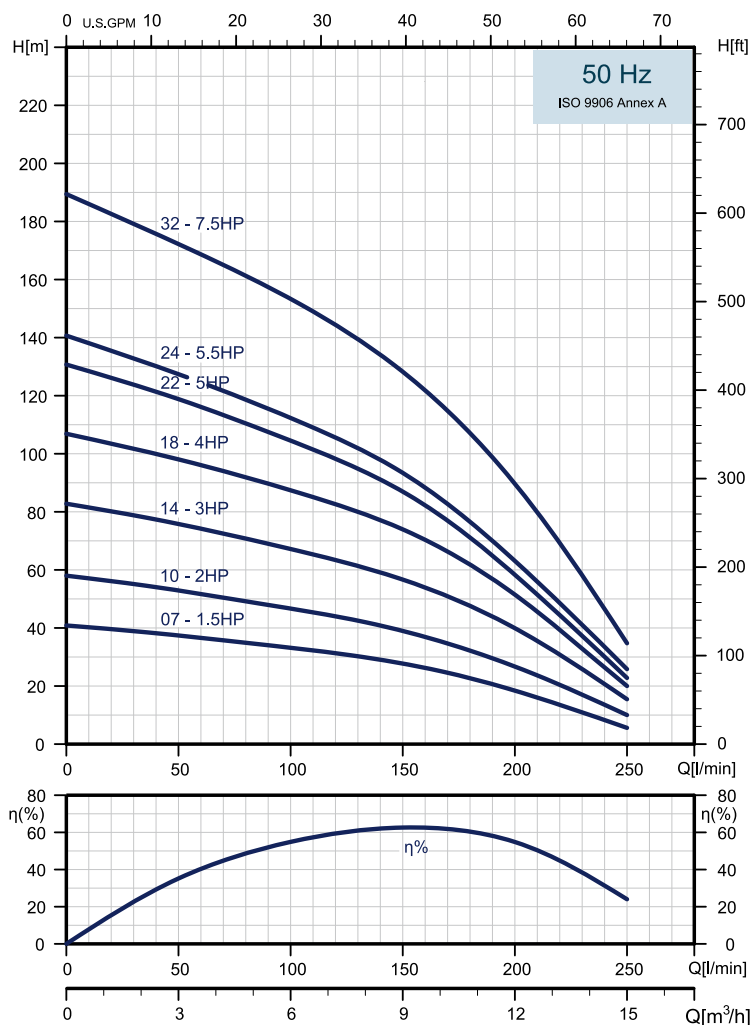


Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-40-04	294	RP/ NPT 2"	98	674
4PX-40-06	356		98	761
4PX-40-08	418		98	858
4PX-40-13	573		98	1068
4PX-40-17	697		98	1304
4PX-40-21	859		98	1542
4PX-40-23	959		98	1642
4PX-40-32	1276		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-40-04	294	RP/ NPT 2"	98	659
4PX-40-06	356		98	736
4PX-40-08	418		98	823
4PX-40-13	573		98	1013
4PX-40-17	697		98	1213
4PX-40-21	859		98	1466
4PX-40-23	959		98	1566
4PX-40-32	1276		98	1595

Selection Chart																				
PUMP TYPE	STAGES	MOTOR		Q=DELIVERY														PUMP	ELECTRO PUMP	
				l/min 0	70	80	90	100	120	140	160	180	200	220						
		KW	HP	m³/h 0	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	Net Weight(kg)					
		H=TOTAL HEAD IN METERS													Single phase	Three phase				
4PX-40-04	4	0.75	1.0	26		23	22	21	20	18	16	12	9		2.8	11.6	11			
4PX-40-06	6	1.1	1.5	38		35	34	33	31	28	24	19	14		3.4	13.4	12.3			
4PX-40-08	8	1.5	2.0	52		47	45	44	41	37	31	25	18		4.0	15.5	14.0			
4PX-40-13	13	2.2	3.0	82		75	73	71	66	59	50	40	30		5.5	19.5	17.1			
4PX-40-17	17	3.0	4.0	108		98	96	94	87	79	70	58	46		6.6	26.0	21.8			
4PX-40-21	21	3.7	5.0	132		117	114	111	103	93	82	68	52		7.8	30.5	27.3			
4PX-40-23	23	4.0	5.5	148		134	131	127	118	108	95	79	60		9.4	32.2	28.9			
4PX-40-32	32	5.5	7.5	202		182	178	172	160	143	125	105	80		12.0	N/A	35.1			

4" PX-55



Single Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-55-07	537	RP/ NPT 2"	98	942
4PX-55-10	693		98	1133
4PX-55-14	901		98	1496
4PX-55-18	1185		98	1792
4PX-55-22	1383		98	2066
4PX-55-24	1487		98	2170
4PX-55-32	1904		98	N/A

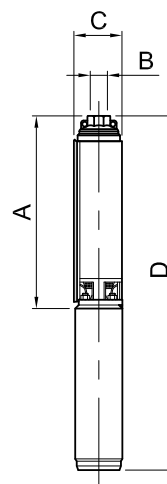
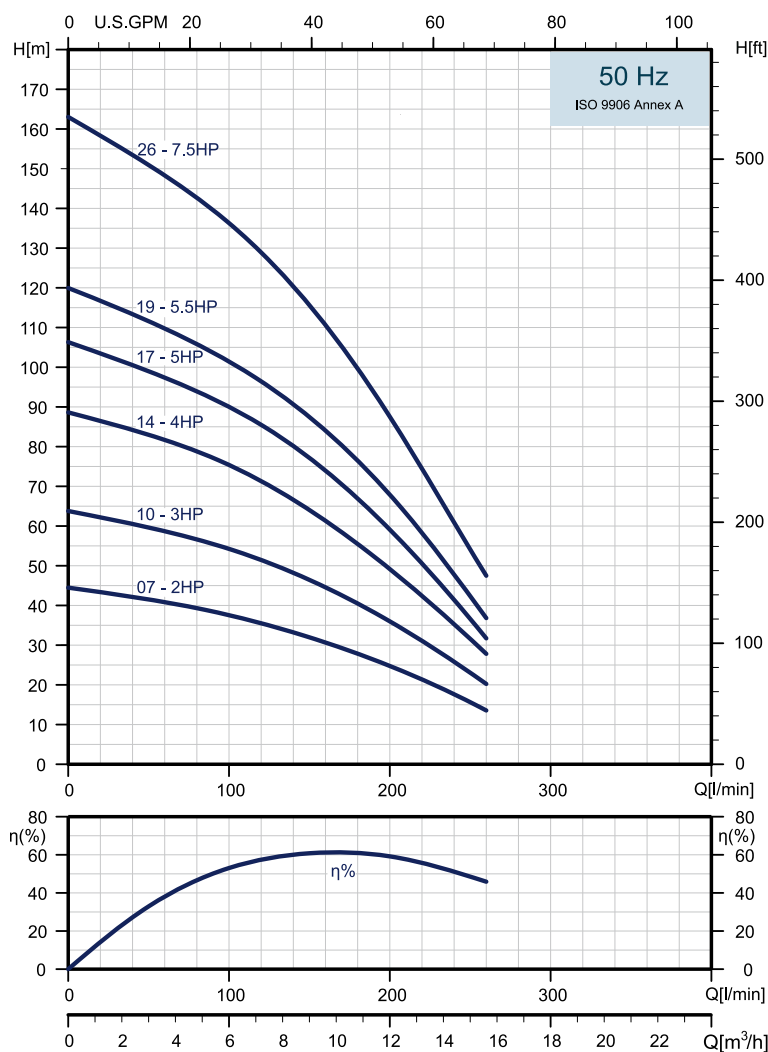
Three Phase Motor Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-55-07	537	RP/ NPT 2"	98	917
4PX-55-10	693		98	1098
4PX-55-14	901		98	1341
4PX-55-18	1185		98	1701
4PX-55-22	1383		98	1990
4PX-55-24	1487		98	2094
4PX-55-32	1904		98	2587

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																		PUMP	ELECTRO PUMP	
				l/min 0	70	80	90	100	120	140	160	180	200	220	240	260								
		KW	HP	m³/h 0	4.2	4.8	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	Net Weight(kg)							
				H=TOTAL HEAD IN METERS															Single phase	Three phase				
4PX-55-07	7	1.1	1.5	41		35	34	33	32	29	26	23	18	14	8		5.3	15.3	14.2					
4PX-55-10	10	1.5	2.0	58		49	48	47	44	41	37	32	27	20	13		6.7	18.2	16.7					
4PX-55-14	14	2.2	3.0	83		71	69	67	63	58	54	48	40	31	20		8.5	22.5	20.1					
4PX-55-18	18	3.0	4.0	107		92	90	87	83	77	70	62	52	39	26		11.4	30.8	26.6					
4PX-55-22	22	3.7	5.0	131		110	107	104	98	91	82	71	58	45	30		13.3	36.0	32.8					
4PX-55-24	24	4.0	5.5	141		118	116	113	106	97	88	77	63	49	33		14.2	37.0	33.7					
4PX-55-32	32	5.5	7.5	189		162	157	153	144	134	122	107	90	70	47		18.0	N/A	41.1					

4" PX-55

4" PX-60



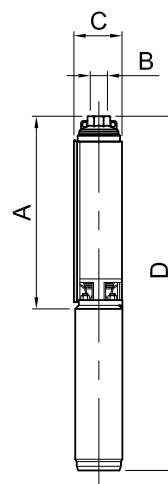
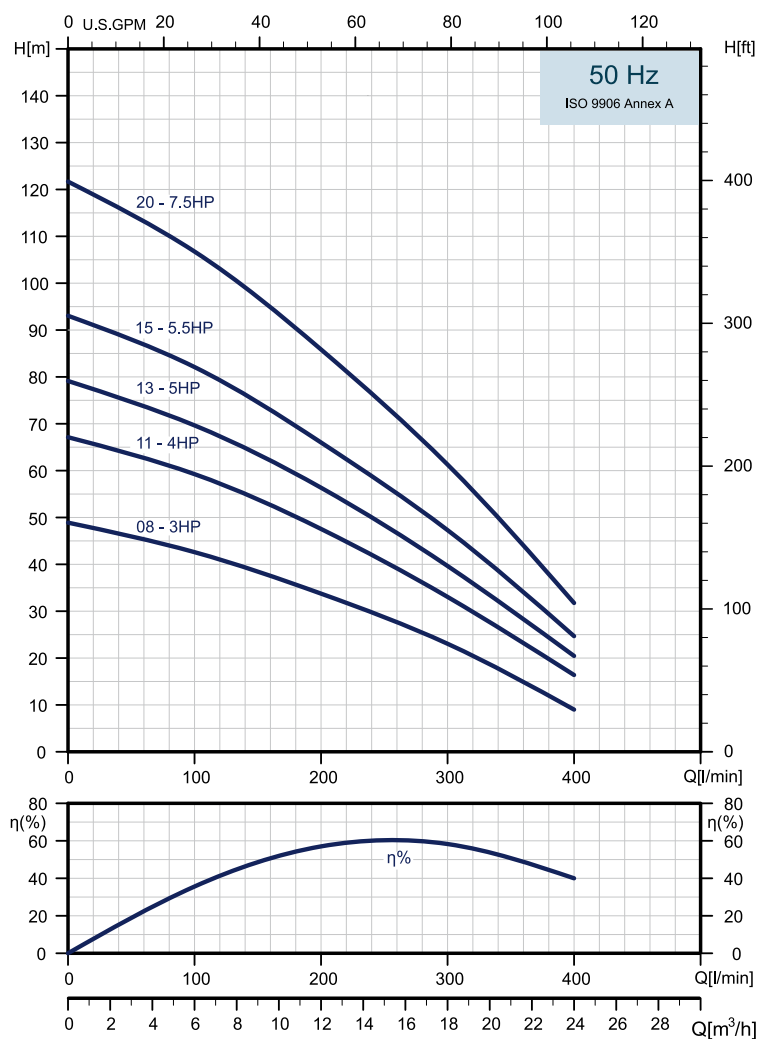
Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-60-07	534	RP/ NPT 2"	98	974
4PX-60-10	690		98	1185
4PX-60-14	989		98	1596
4PX-60-17	1092		98	1775
4PX-60-19	1233		98	1916
4PX-60-26	1597		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-60-07	534	RP/ NPT 2"	98	939
4PX-60-10	690		98	1130
4PX-60-14	989		98	1505
4PX-60-17	1092		98	1699
4PX-60-19	1233		98	1840
4PX-60-26	1597		98	2280

Selection Chart

PUMP TYPE	STAGES	MOTOR		Q=DELIVERY																	PUMP	ELECTRO PUMP	
				l/min	0	90	100	120	140	160	180	200	220	240	260	280							
		KW	HP	m³/h	0	5.4	6.0	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	Net Weight(kg)						
				H=TOTAL HEAD IN METERS															Single phase	Three phase			
		4PX-60-07	7	1.5	2.0	45		37	36	33	31	28	25	22	18	14		5.3	16.8	15.3			
4PX-60-10	10	2.2	3.0	64		54	52	48	44	41	36	32	26	20		6.7	20.7	18.3					
4PX-60-14	14	3.0	4.0	89		76	72	67	62	56	49	43	35	28		8.6	28.0	23.8					
4PX-60-17	17	3.7	5.0	107		90	86	80	74	67	59	51	42	32		10.1	32.8	29.6					
4PX-60-19	19	4.0	5.5	120		102	97	91	89	76	68	58	48	37		12.0	34.8	31.5					
4PX-60-26	26	5.5	7.5	163		136	129	120	111	100	87	75	61	48		15.3	N/A	38.4					

4" PX-80



Single Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-80-08	676	RP/ NPT 2"	98	1171
4PX-80-11	880		98	1487
4PX-80-13	1013		98	1696
4PX-80-15	1149		98	1832
4PX-80-20	1489		98	N/A

Three Phase Motor				
Dimensions and Weights				
Pump Type	Dimensions(mm)			
	A	B	C	D
4PX-80-08	676	RP/ NPT 2"	98	1116
4PX-80-11	880		98	1396
4PX-80-13	1013		98	1620
4PX-80-15	1149		98	1756
4PX-80-20	1489		98	2172

Selection Charts

PUMP TYPE		STAGES	MOTOR		Q=DELIVERY																		PUMP	ELECTRO PUMP	
			KW	HP	l/min 0	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400	450	Net Weight(Kg)			
					m³/h 0	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	27	Single phase	Three phase		
H=TOTAL HEAD IN METERS																									
4PX-80-08	8	2.2	3.0	49		39	38	36	34	32	30	28	25	23	20	18	15	12	9		6.3	20.3	17.9		
4PX-80-11	11	3.0	4.0	67		55	53	50	48	45	42	39	36	33	30	27	23	20	16		8.1	27.5	23.3		
4PX-80-13	13	3.7	5.0	79		65	62	59	56	53	50	47	43	40	36	32	28	24	20		9.3	32.0	28.8		
4PX-80-15	15	4.0	5.5	93		76	73	70	66	62	59	55	51	47	43	39	34	29	25		10.5	33.3	30.0		
4PX-80-20	20	5.5	7.5	122		99	95	90	86	81	76	72	67	61	56	50	44	38	32		13.5	N/A	36.6		

4" PX-80



Description

The 6" submersible pumps for high pressures and flow rates, particularly equipped with a high rigidity **Silicon-Carbide(SIC) Bearing**, provide reliability and quality guaranteed.

Discharge Head and Motor

Adaptor are precision machined cast 304 stainless steel for superior strength and durability. The motor adaptor is NEMA standard.

Impellers are made with Noryl®

For a superior sand handling. Together with glass filled polycarbonate diffusers make the super strong pumps for maximum wear and abrasive resistance. The materials are FDA compliant materials.

Impeller Bowls are made from 304 stainless steel, maximizing wear from abrasion.

Shaft Coupling is made from 304 stainless steel for easy alignment to the motor shaft.

Strainer is made from stamped 304 stainless steel for rigidity.

Non-Return valve made from 304 stainless steel, fitted in the discharge to prevent any back flow of water and alleviate any water hammer to the pumps.

Pump Shaft is made from hex 304 stainless steel bar material for high corrosion resistance.

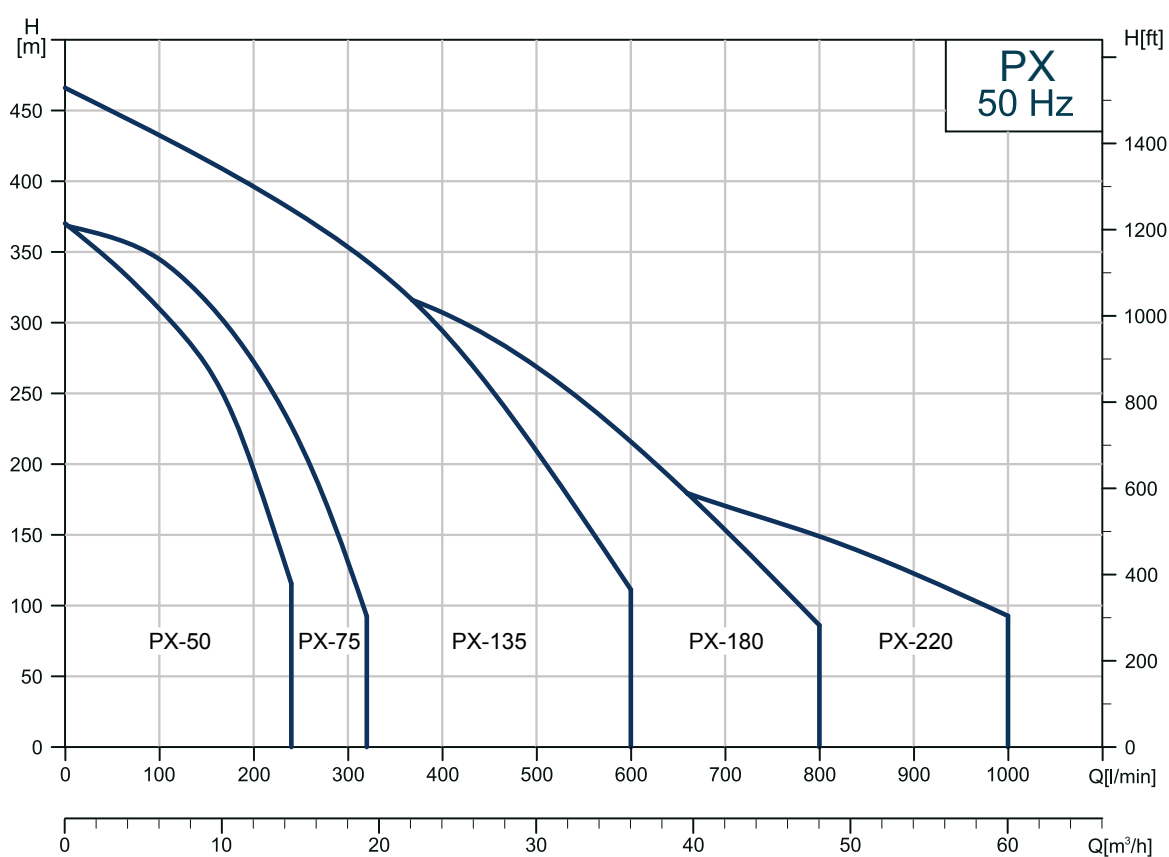
Pump body is covered by a thick 304 stainless steel casing, ensures optimum resistance to abrasion.

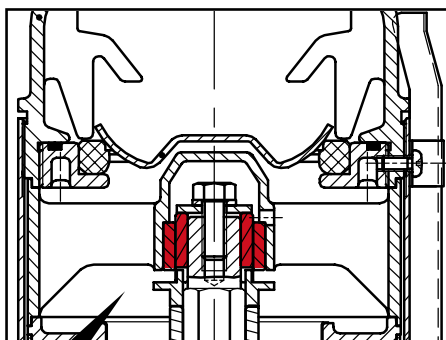
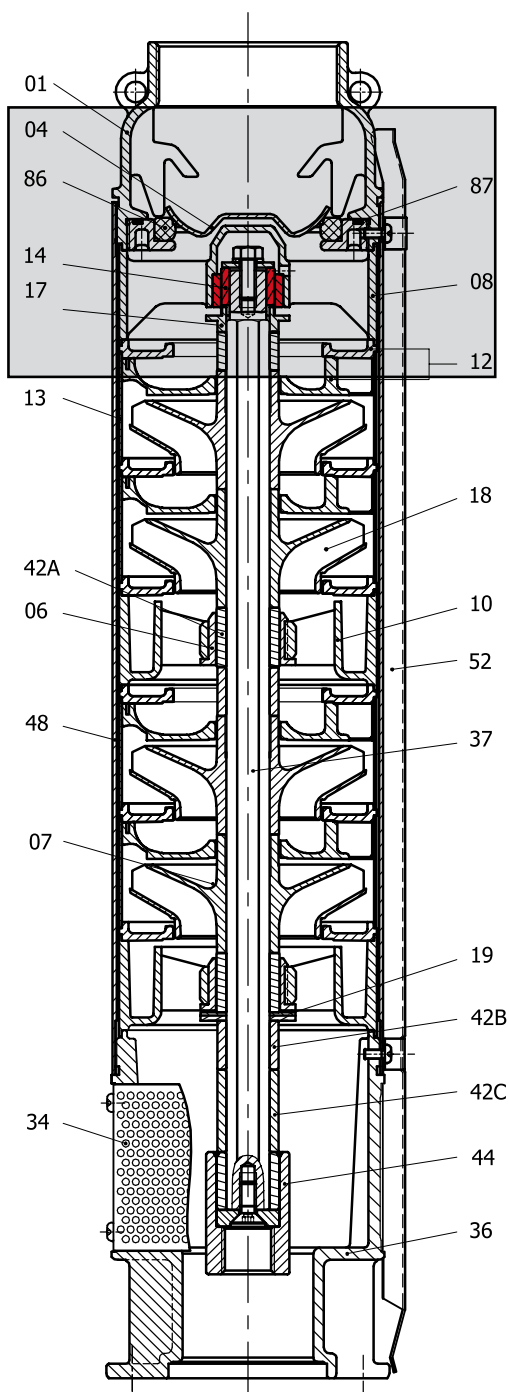
APPLICATIONS

- Water Supply
- Irrigation
- Pressure Boosting

GENERAL SPECIFICATIONS PUMP

- Delivery: up to 60 m³/h at 2850 rpm
- Head: up to 466 m at 2850 rpm
- Maximum permissible quantity of sand: 50g/m³
- PX-50 / PX-75 / PX-135 / PX-180 / PX-220 models 3" discharge.



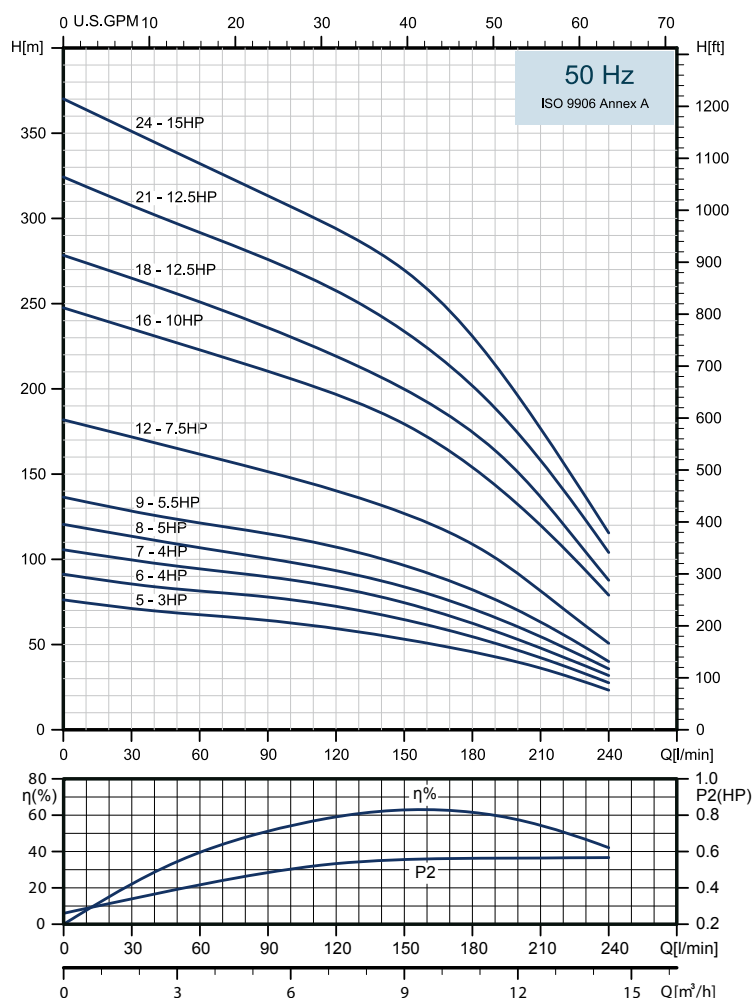


High rigidity **Silicon-Carbide(SiC) Bearing** ensure high corrosion resistance and provide long and dependable service life.

Pos.	Part Name	Material
01	Discharge	AISI 304
04	Valve cone	AISI 304
06	Bearing	POM+PTFE
07	Bearing	Bronze
08	Upper bearing spider	AISI 304 + Silicon carbide
10	Bearing Spider	Noryl
12	Diffuser	Glass Filled Polycarbonate
13	Diffuser casing	AISI 304
14	Bearing ring	Silicon carbide
17	Sleeve for baffle	AISI 304
18	Impeller	Noryl
19	Counter thrust bearing plate	Carbon fiber + PTFE
34	Strainer	AISI 304
36	Suction interconnector	AISI 304
37	Pump shaft	AISI 304
42A	Shaft sleeve	AISI 304
42B	Shaft sleeve	Noryl
42C	Shaft sleeve	Noryl
44	Coupling	AISI 304
48	Pump casing	AISI 304
52	Cable guard	AISI 304
86	Valve Seat	AISI 304 + NBR
87	O-ring	NBR

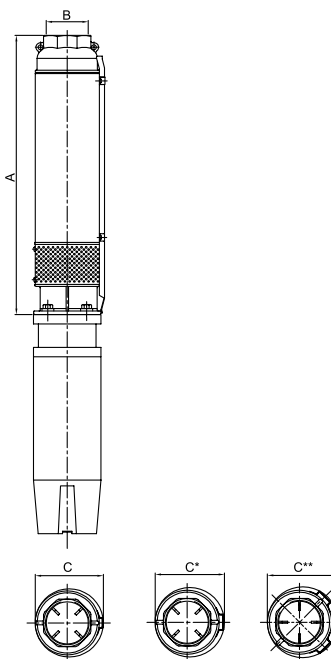
6" PX-50

6" PX-50



Product data

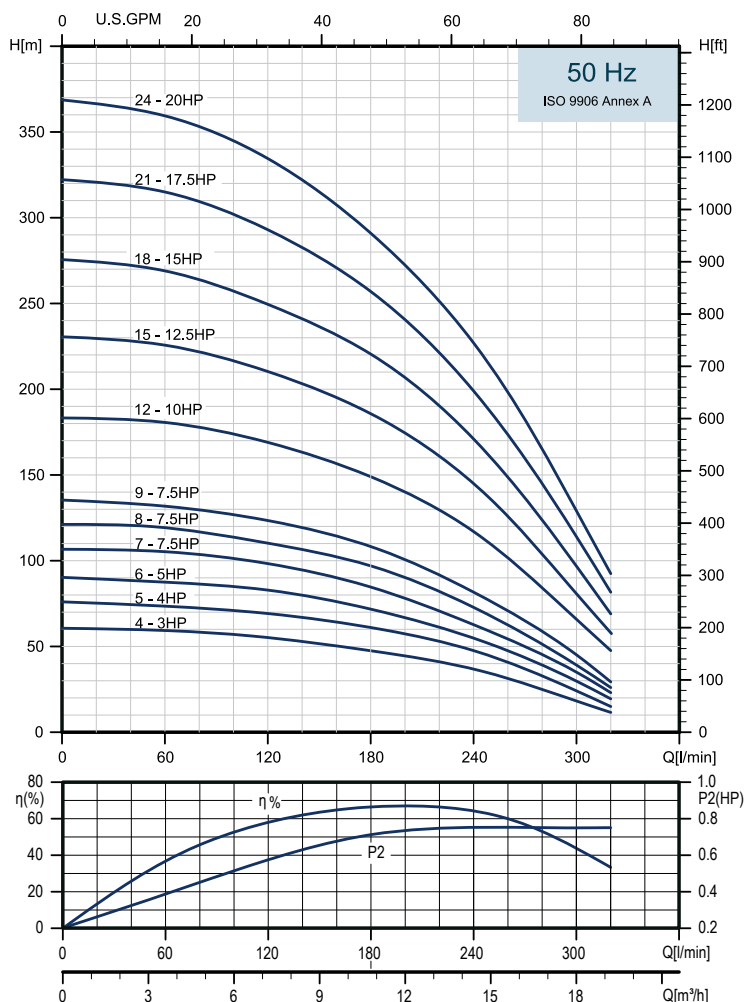
Pump Type	HP	Q(m³/h)	H(m)	Hmax(m)
6PX-50-05	3	9.5	52	77
6PX-50-06	4	9.5	62	92
6PX-50-07	4	9.5	72	106
6PX-50-08	5	9.5	81	121
6PX-50-09	5.5	9.5	93	137
6PX-50-12	7.5	9.5	123	182
6PX-50-16	10	9.5	174	248
6PX-50-18	12.5	9.5	194	279
6PX-50-21	12.5	9.5	226	325
6PX-50-24	15	9.5	261	371



Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power	Power	Type	A	B	C	C*	C**	
6PX-50-05	2.2	3	4"	539	NPT3" RP3"	138			10.3
6PX-50-06	3	4	4"	577		138			11.1
6PX-50-07	3	4	4"	615		138			11.8
6PX-50-08	3.7	5	4"	653		138			12.5
6PX-50-09	4	5.5	4"	691		138			13.1
6PX-50-12	5.5	7.5	4"	805		138			15
6PX-50-16	7.5	10	4"	957		138			17.7
6PX-50-12	5.5	7.5	6"	819			141	144	15.9
6PX-50-16	7.5	10	6"	971			141	144	18.7
6PX-50-18	9.3	12.5	6"	1047			141	144	20
6PX-50-21	9.3	12.5	6"	1161			141	144	21.9
6PX-50-24	11	15	6"	1275			141	144	24

6" PX-75

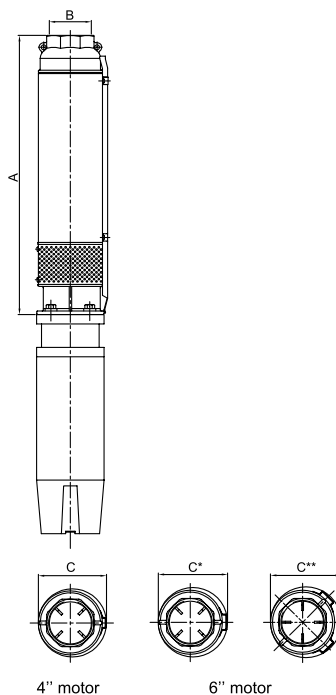


Product data

Pump Type	HP	Q(m³/h)	H(m)	Hmax(m)
6PX-75-04	3	14	39	61
6PX-75-05	4	14	50	77
6PX-75-06	5	14	57	91
6PX-75-07	7.5	14	66	107
6PX-75-08	7.5	14	76	122
6PX-75-09	7.5	14	86	136
6PX-75-12	10	14	122	184
6PX-75-15	12.5	14	151	231
6PX-75-18	15	14	178	276
6PX-75-21	17.5	14	207	323
6PX-75-24	20	14	236	369

Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type						
	kW	HP		A	B	C	C*	C**	Pump
6PX-75-04	2.2	3	4"	501	NPT3" RP3"	138			9.6
6PX-75-05	3	4	4"	539		138			10.3
6PX-75-06	3.7	5	4"	577		138			11
6PX-75-07	5.5	7.5	4"	615		138			11.7
6PX-75-08	5.5	7.5	4"	653		138			12.5
6PX-75-09	5.5	7.5	4"	691		138			13.1
6PX-75-12	7.5	10	4"	805		138			15
6PX-75-07	5.5	7.5	6"	629			141	144	12.5
6PX-75-08	5.5	7.5	6"	667			141	144	13.2
6PX-75-09	5.5	7.5	6"	705			141	144	13.9
6PX-75-12	7.5	10	6"	819			141	144	15.8
6PX-75-15	9.3	12.5	6"	933			141	144	17.8
6PX-75-18	11	15	6"	1047			141	144	19.9
6PX-75-21	13	17.5	6"	1161			141	144	21.8
6PX-75-24	15	20	6"	1275			141	144	23.8

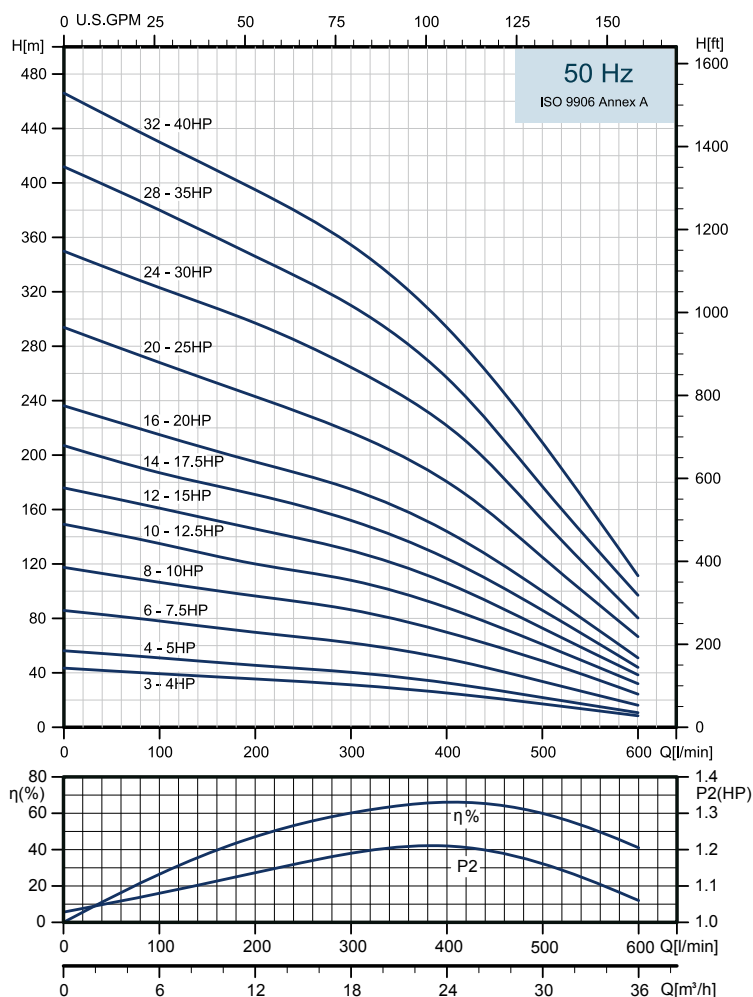


4" motor

6" motor

6" PX-135

6" PX-135

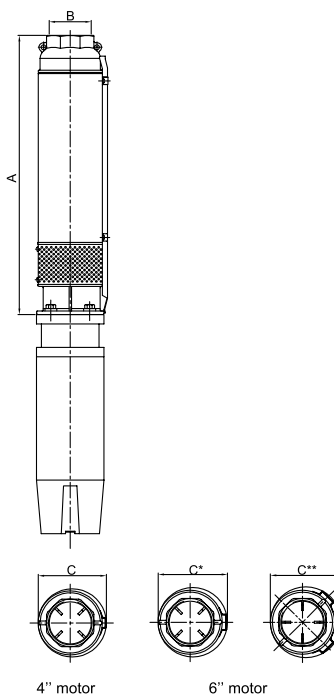


Product data

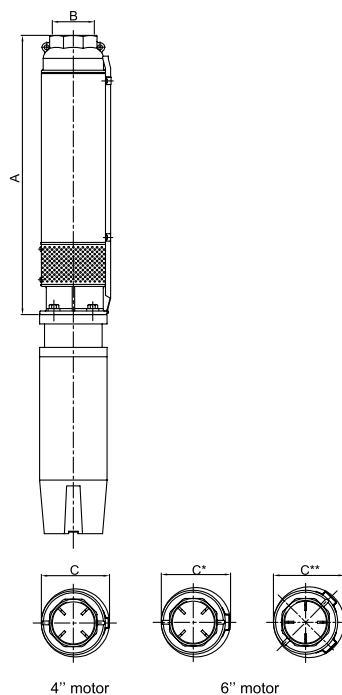
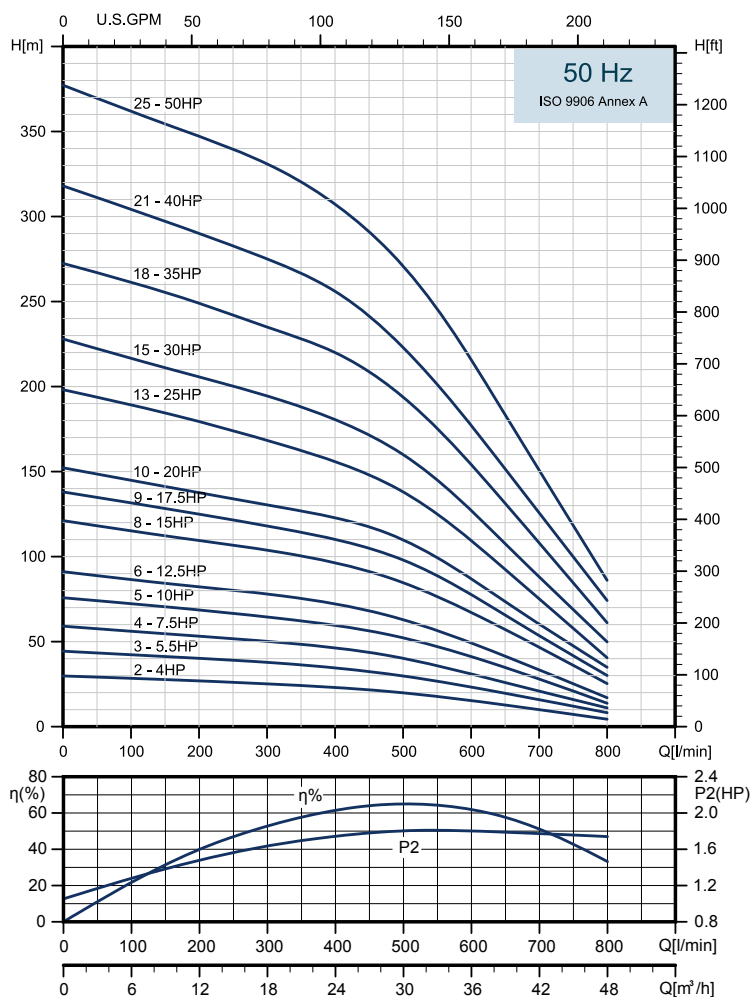
Pump Type	HP	Q(m³/h)	H(m)	Hmax(m)
6PX-135-03	4	25	24	44
6PX-135-04	5	25	31	57
6PX-135-06	7.5	25	48	86
6PX-135-08	10	25	67	118
6PX-135-10	12.5	25	84	150
6PX-135-12	15	25	101	176
6PX-135-14	17.5	25	119	207
6PX-135-16	20	25	138	237
6PX-135-20	25	25	173	294
6PX-135-24	30	25	213	350
6PX-135-28	35	25	246	412
6PX-135-32	40	25	282	466

Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power		Type	A	B	C	C*	C**	
6PX-135-03	3	4	4"	520	NPT3" RP3"	138			9.9
6PX-135-04	3.7	5	4"	577		138			10.8
6PX-135-06	5.5	7.5	4"	691		138			12.6
6PX-135-08	7.5	10	4"	805		138			14.3
6PX-135-06	5.5	7.5	6"	705			141	144	13.5
6PX-135-08	7.5	10	6"	819			141	144	15.2
6PX-135-10	9.3	12.5	6"	933			141	144	17
6PX-135-12	11	15	6"	1047			141	144	18.9
6PX-135-14	13	17.5	6"	1161			141	144	20.7
6PX-135-16	15	20	6"	1275			141	144	22.6
6PX-135-20	18.5	25	6"	1555			141	144	27
6PX-135-24	22	30	6"	1783			141	144	30.7
6PX-135-28	26	35	6"	2063			141	144	35.1
6PX-135-32	30	40	6"	2291			141	144	38.9

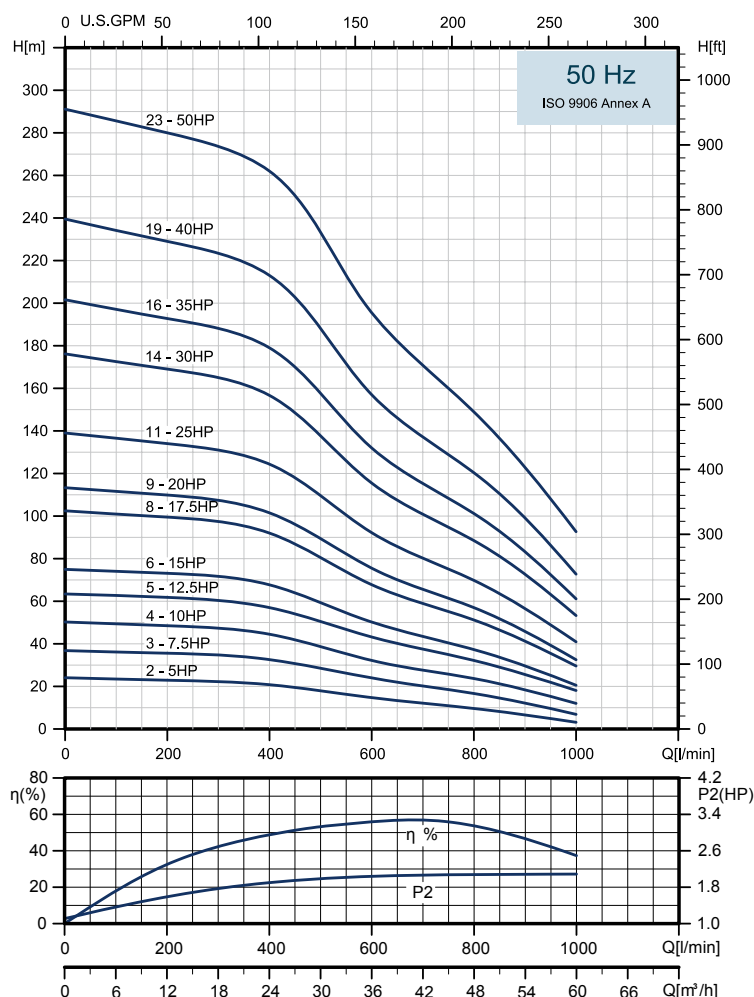


6" PX-180



6" PX-220

6" PX-220

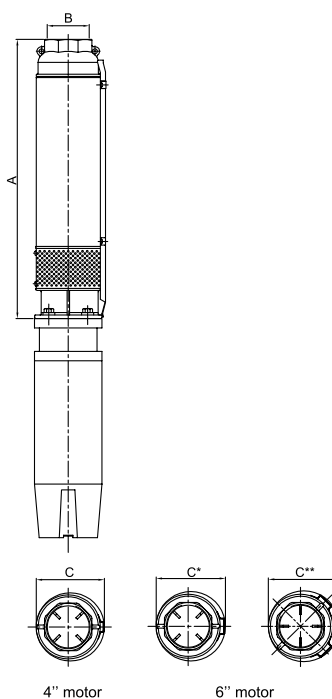


Product data

Pump Type	HP	Q(m³/h)	H(m)	Hmax(m)
6PX-220-02	5	42	13	25
6PX-220-03	7.5	42	21	37
6PX-220-04	10	42	28	51
6PX-220-05	12.5	42	38	64
6PX-220-06	15	42	44	75
6PX-220-08	17.5	42	59	103
6PX-220-09	20	42	66	114
6PX-220-11	25	42	81	139
6PX-220-14	30	42	101	177
6PX-220-16	35	42	116	202
6PX-220-19	40	42	138	240
6PX-220-23	50	42	171	292

Dimensions and weights

Pump type	Motor			Dimensions(mm)					Weight(kg)
	Power	HP	Type	A	B	C	C*	C**	
6PX-220-02	3.7	5	4"	469	NPT3" RP3"	138			8.9
6PX-220-03	5.5	7.5	4"	529		138			9.9
6PX-220-04	7.5	10	4"	589		138			10.8
6PX-220-03	5.5	7.5	6"	543			141	144	10.7
6PX-220-04	7.5	10	6"	603			141	144	11.7
6PX-220-05	9.3	12.5	6"	663			141	144	12.6
6PX-220-06	11	15	6"	723			141	144	13.6
6PX-220-08	13	17.5	6"	843			141	144	15.5
6PX-220-09	15	20	6"	903			141	144	16.5
6PX-220-11	18.5	25	6"	1023			141	144	18.5
6PX-220-14	22	30	6"	1203			141	144	21.5
6PX-220-16	26	35	6"	1323			141	144	23.6
6PX-220-19	30	40	6"	1555			141	144	27.6
6PX-220-23	37	50	6"	1795			141	144	31.3







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