

SUBMERSIBLE BOREHOLE PUMPS

Incorporating PL06/PL08
High Efficiency Hydraulics





“ For more than 140 years SPP Pumps has been a leading manufacturer of centrifugal pumps and associated systems, a global principal in design, supply and servicing of pumps, fire pump packages and equipment for a wide range of applications and industry sectors. ”

SPP PUMPS

The Leading Centrifugal Pump Manufacturer

MAJOR SPP PUMPS APPLICATIONS

As a UK based pump manufacturer, SPP's precision engineered pumps and associated systems are installed both in the UK and globally, providing valuable high integrity services for diverse industries, such as oil and gas onshore and offshore applications, water distribution, water and wastewater treatment, power generation, construction, mining and industrial applications.

Our pumps are utilised globally in key applications where quality and engineering matters most. Some example applications include critical on-shore and off-shore fire protection, storm & waste water transmission, mobile flood protection and dewatering for the rental sectors and potable water treatment & supply where our low life cycle cost series of pumps reduces the total cost of ownership and offers environmental benefits through reduced power consumption.

TEST FACILITIES AND ISO ACCREDITATIONS

With over 500 staff worldwide, SPP Pumps has its main research and development (R&D), pump manufacturing and test facilities in a centrally located modern UK facility based in Coleford, Gloucestershire. Other global key local sites operate in the USA, France, South Africa, Singapore and Dubai.

All operations are ISO 9001 accredited, and SPP Pumps commits to the ISO 9001:2015 goals of continual improvement for customer satisfaction.

SPP PUMPS AFTER SALES SERVICING SUPPORT

All SPP Pumps products are supported by our tailored and bespoke after-sales service division that provides complete global customer care in field service, planned maintenance, regional pump repair, and valve spares supply and repair through strategically located UK service centres.

QUALITY POLICY

SPP is committed to delivering defect-free quality products on-time to meet or exceed our customers' and stakeholders' requirements. We are dedicated to the continual improvement of our customer service, products, and processes.

A REPUTATION YOU CAN RELY ON

SPP Pumps has extensive knowledge and expertise with 140 years of industrial pump experience. With some of the world's most prestigious projects to date, the quality, value and reputation of SPP continues to evolve and grow. For more information or the latest brochure please contact water@spppumps.com

PLEUGER INDUSTRIES

Performance Engineering and Design for the Water Industry

PLEUGER has supplied over 13,000 specialist submersible pumps to the global water industry in the last 20 years. The water industry recognises PLEUGER as some of the most reliable, efficient and durable units you can buy. Submersible pumps and motors are relied upon worldwide for Municipal water supply, Agricultural irrigation, Flood control & Groundwater management, Desalination and Geothermal applications.

Our 4" to 40" diameter standardised pump range is designed for ultra-low maintenance and reliability. Hand-built, they feature a best-in-class service life of 30+ years. These are readily available to rapidly deploy anywhere in the world.

PLEUGER's engineered-to-order solutions can be up to 50" diameter and engineered to specific performance capabilities with different materials based on the application and budget.

PLEUGER submersible asynchronous induction motors are highly reliable and efficient, available in 6" - 50" diameter with output capabilities between 0.37kW to 5 MW.

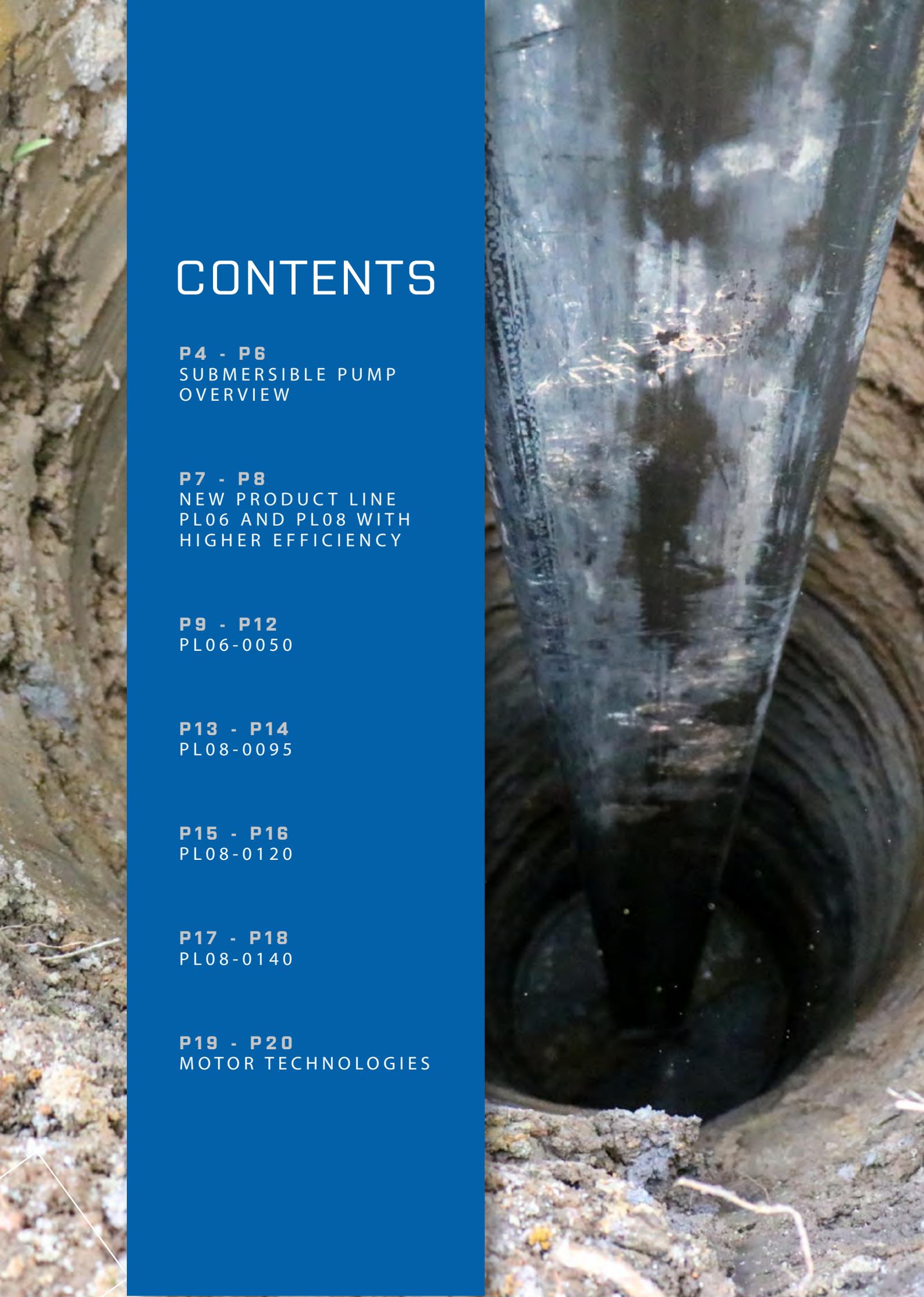
Our range of 6" - 8" synchronous Permanent Magnet Motors are fitted with VFD capabilities, designed for even greater efficiency and capable of reducing energy consumption by 14 percentage points when compared to other options.

PLEUGER products are designed and hand built at our Centre of Excellence in Hamburg, Germany. PLEUGER sales and support facilities are located throughout the world, and backed by a network of accredited service partners to ensure a PLEUGER specialist is always on hand and nearby.

- 90+ YEARS OF EXPERIENCE, QUALITY ENGINEERING FROM GERMANY
- RELIABLE, DURABLE, VERY LOW MAINTENANCE SOLUTIONS
- DEDICATED AFTER MARKET AND GLOBAL SUPPORT SOLUTIONS

Since 1929, PLEUGER have designed and developed submersible pumps and motors, reciprocating pumps and marine propulsion systems to the highest of industry standards. PLEUGER solutions are used throughout the world in water supply systems, offshore and seawater desalination plants, refineries and district heating systems.





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PLEUGER SUBMERSIBLE PUMPS

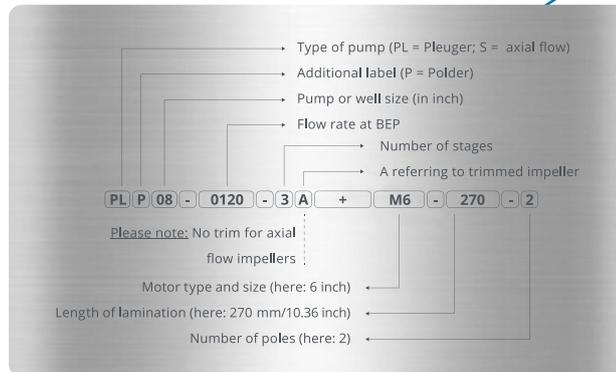
PLEUGER pumps come in sizes from 4" to 40" as single- or multi-stage pumps to fit all specifications. The water industry recognises them as some of the most reliable, efficient and durable units you can buy.

Our reliability engineers design, manufacture and test to ensure our products perform reliably and safely across a range of water applications. We use a variety of materials, from cast iron, bronze and NiAlBz, to stainless steel 316 and super duplex stainless steel.

- Highly efficient motors and pump hydraulics
- Highly reliable with ultra-low maintenance
- Cost-effective lifecycle ownership
- Drinking water safe
- Space-efficient installation in wells
- Flood-proof, Freeze-proof
- Reduced noise and vibration
- Range of material grades
- Optional installation accessories
- Optional Permanent Magnet Motor (PMM) technology

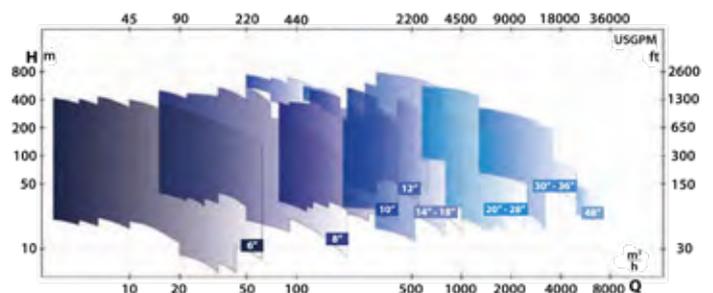
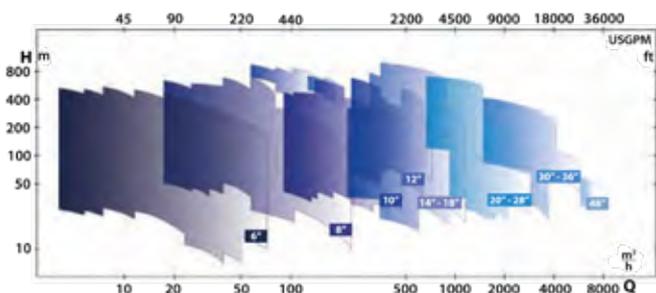


The ID-Codes on each of Pleuger's submersible pumps help you select a unit for your specifications:



RADIAL & SEMI-AXIAL IMPELLER WORKING RANGES (60 HZ)

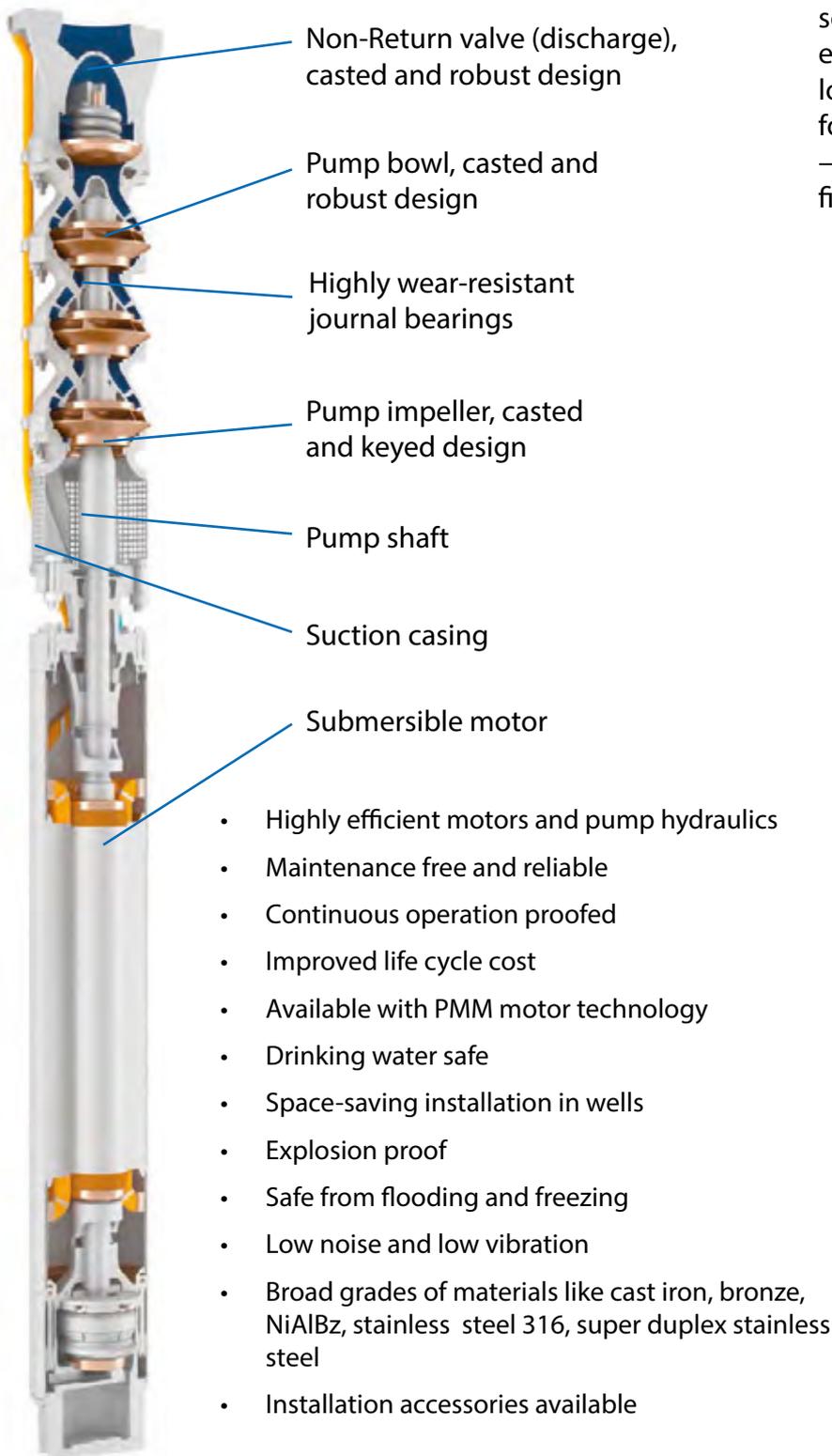
RADIAL & SEMI-AXIAL IMPELLER WORKING RANGES (50 HZ)



SUBMERSIBLE PUMP TYPES

DEEP WELL OR BORE WELL

Our single- and multi-stage centrifugal pumps use standard water-filled motors as standard, or oil-filled motors on request. For these middle intake pump units, we assemble the suction in-between the motor (below) and the hydraulic (above). Motor sizes are available from 4" to 50".



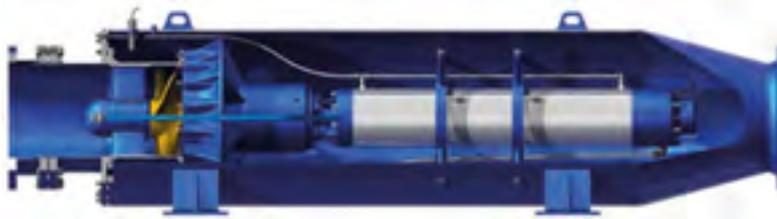
BOTTOM INTAKE PUMP

Our MAP units (motor above the pump) are single and multi-stage centrifugal bottom intake pumps using water-filled motors. The intake is in the unit's lower part, so the pump continues to operate even when the water line reaches low levels. These pumps are used for vertical or inclined installation – PLEUGER can customise them to fit your required specifications.



BOOSTER PUMP

The casings on our booster pump units double up as pressure shrouds and can be integrated either horizontally or vertically into the pump system to increase pressure in the pipeline networks. Booster pumps come as standard or engineered units – call us for advice on the best solution for your project.

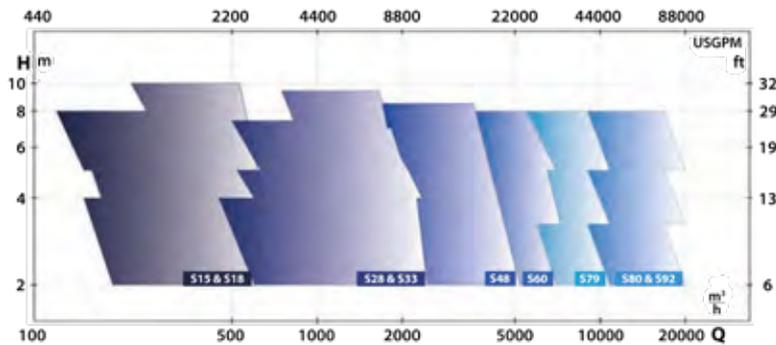


FLOOD PUMP

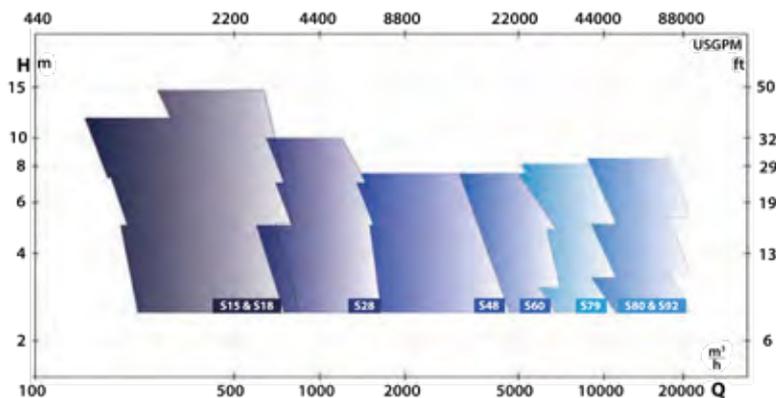
Our single- and multi-stage flood pumps operate with axial hydraulic designs and water-filled motors. These units are designed to process large volumes of water at low pressures. They can cover flow rates from 100 m³/h to 90,000 m³/h (440 USGPM to 396,258 USGPM).



AXIAL FLOW - WORKING RANGES (50 HZ)



AXIAL FLOW - WORKING RANGES (60 HZ)



NEW PRODUCT LINE PL06 AND PL08

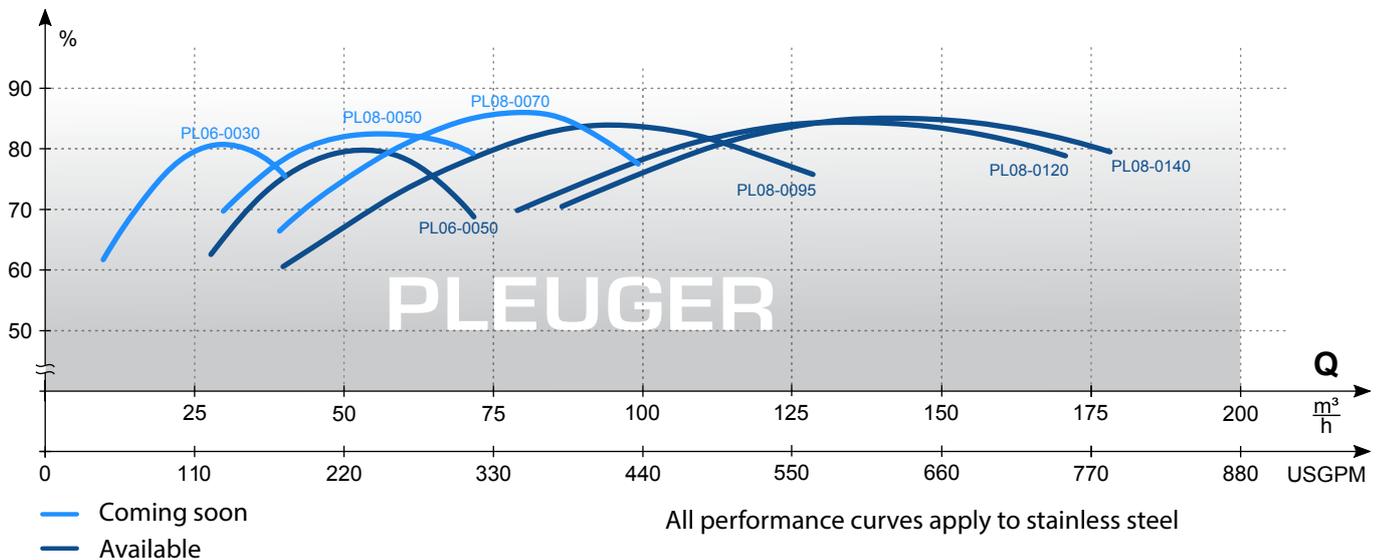
WITH HIGHER EFFICIENCY

With newly developed pumps, PLEUGER Industries is expanding its range of submersible motor pumps, which is highly regarded in the global market and is thus setting another milestone in the "PLEUGER" success story of over 90 years.

The range offers a number of advantages and benefits to the end user as detailed below.

SIGNIFICANT SAVINGS IN ENERGY COSTS

- high-performance pumps with increased efficiency of up to 85% (average $\eta_{opt} > 83\%$)
- Stable and flat efficiency curve between $20\text{m}^3/\text{h}$ and $150\text{m}^3/\text{h}$ (88 and 660.4 USGPM), exhibiting high efficiency for a wide range of operation



50 Hz	PL06-0050	PL08-0095	PL08-0120	PL08-0140
Efficiency	80,50	83.50	85,00	85,00
Material Design	Maximum head in m/feet			
Grey cast iron	520 / 1705	429 / 1407	410 / 1345	410 / 1344
Stainless steel	529 / 1735	486 / 1596	476 / 1562	478 / 1568
Super Duplex	621 / 2038	649 / 2128	575 / 1888	565 / 1853



FURTHER DESIGN BENEFITS CONTRIBUTE TO THE LOWEST LIFE CYCLE COST FOR A COMPLETE INSTALLATION



DESIGNED FOR RELIABILITY - LONGER LIFETIME

- The pump bowls are made of durable, robust, and wear-resistant grey cast iron or stainless steel investment casting (not sheet metal).
- Pump impellers made of highly durable, wear-resistant injection-molded resin or stainless steel investment casting (not sheet metal).
- Durable and wear-resistant radial bearings made of a proprietary synthetic material.
- Stainless-steel 316 quality or higher (Cr-Ni-Mo-steel), no 304 quality.

REDUCTION OF SERVICE COSTS - EASY TO INSTALL AND MAINTAIN

- Pump bowls with flange bolting (instead of screwed housing).
- Only positive connections (feather key) of impeller and pump shaft, no friction connections like clamp sleeves.

SIMPLIFIED PRODUCT LINE - EASIER INVENTORY AND MAINTENANCE

- The new PL06 and PL08 pumps are replacing the previous five models of the 6" range (PN6 and QN6) and the seven models of the 8" range (PN8, QN8, and QT8 pumps).
- Reduction to three material types.

MATERIAL DESIGNS

- Grey cast iron (+ plastic injection-molded impeller)
- Stainless steel A4 (PL06 temporarily in NiAlBz)
- Super Duplex

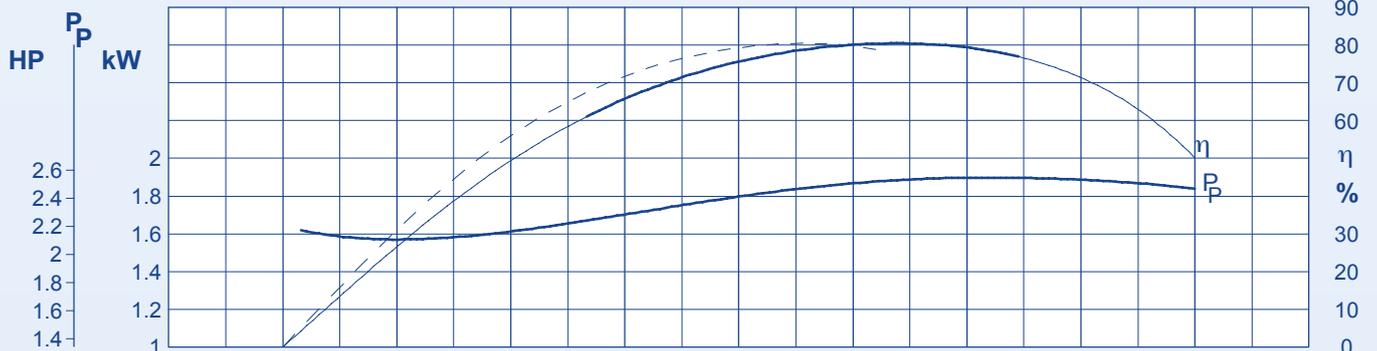
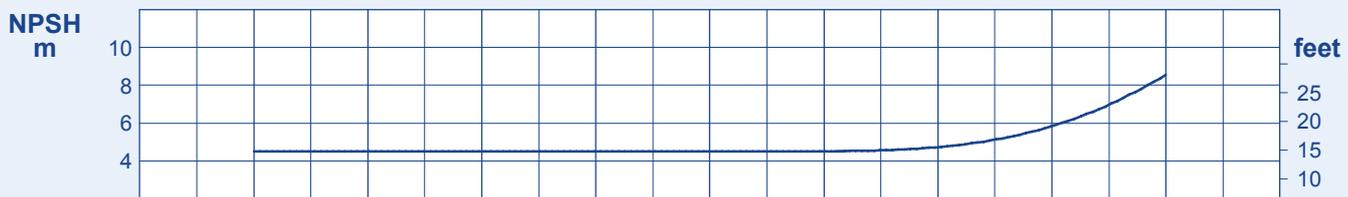
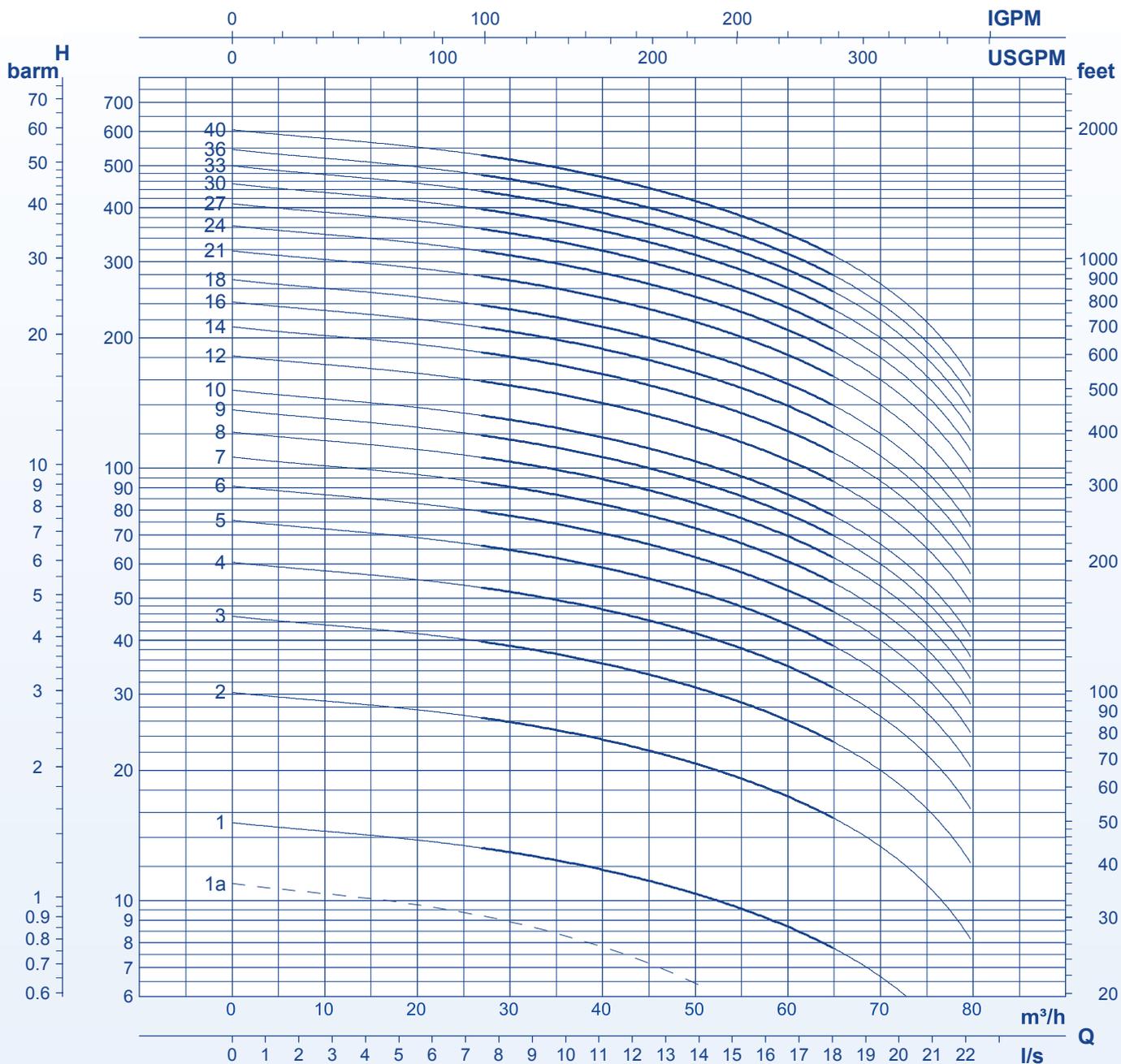
PMM-UPGRADE

Reduce the pump running cost significantly throughout the pump's life with the PLEUGER Permanent Magnet Motor upgrade. This upgrade increases motor efficiency up to 94%.

Customer benefit: Substantial reduction in life-cycle costs of the pump unit, as the energy costs amount to 90% of the total cost of ownership.

PLEUGER QUALITY

Manufactured in Germany and built for efficiency and reliability, the robust and durable PLEUGER design of the new PL06 and PL08 pumps meet the highest industrial standards. Used to optimize performance and energy efficiency in various applications, the pumps are available in three different material types depending on customer requirements.



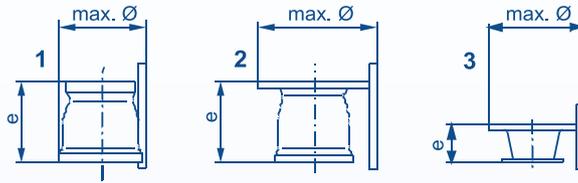
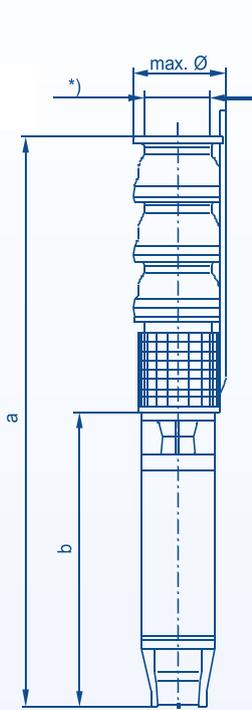
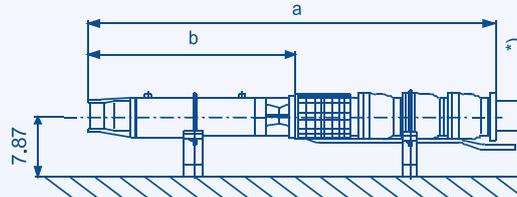


Figure	Piping connection		e mm	max. Ø at 400 V		Weight kg	Installation
	Non-Return Valve	Taper		d.o.l. mm	YΔ mm		
1	G3, 3"NPT		179	147	140	7.2	v
1		G3, 3"NPT	123	147	140	4.5	h+v
3		DN80; PN10, 16	26	207	201	4.2	h+v
2	G3, 3"NPT	DN80; PN10, 16	259	207	201	13	v
3		DN80; PN40	26	207	201	5.2	h+v
3		DN100; PN10,16	29	227	221	5.9	h+v
2	G3, 3"NPT	DN100; PN10,16	264	227	221	14	v
3		DN100; PN40	45	242	236	7.8	h+v
				1)	1)		

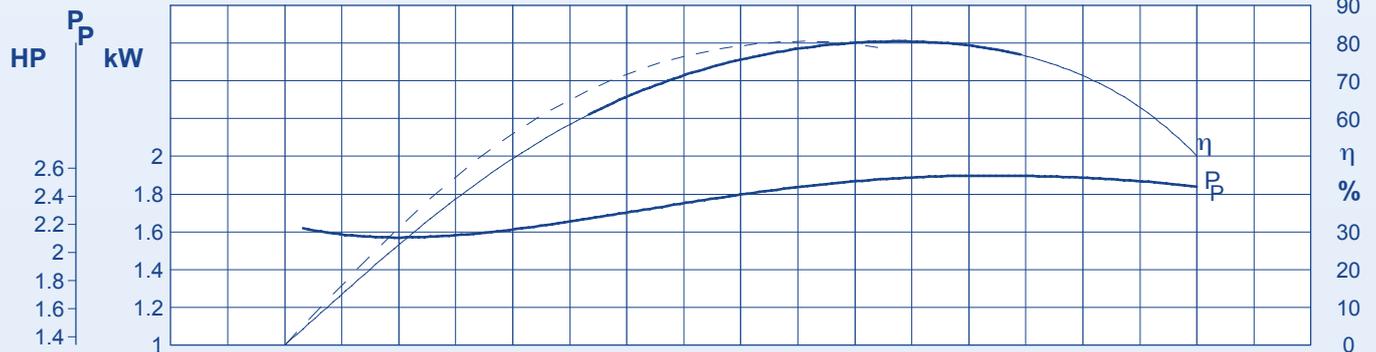
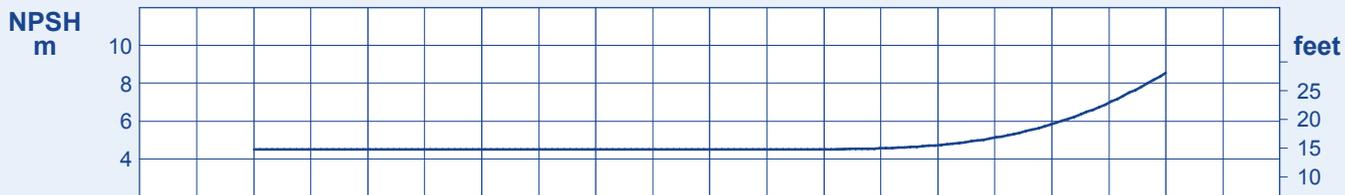
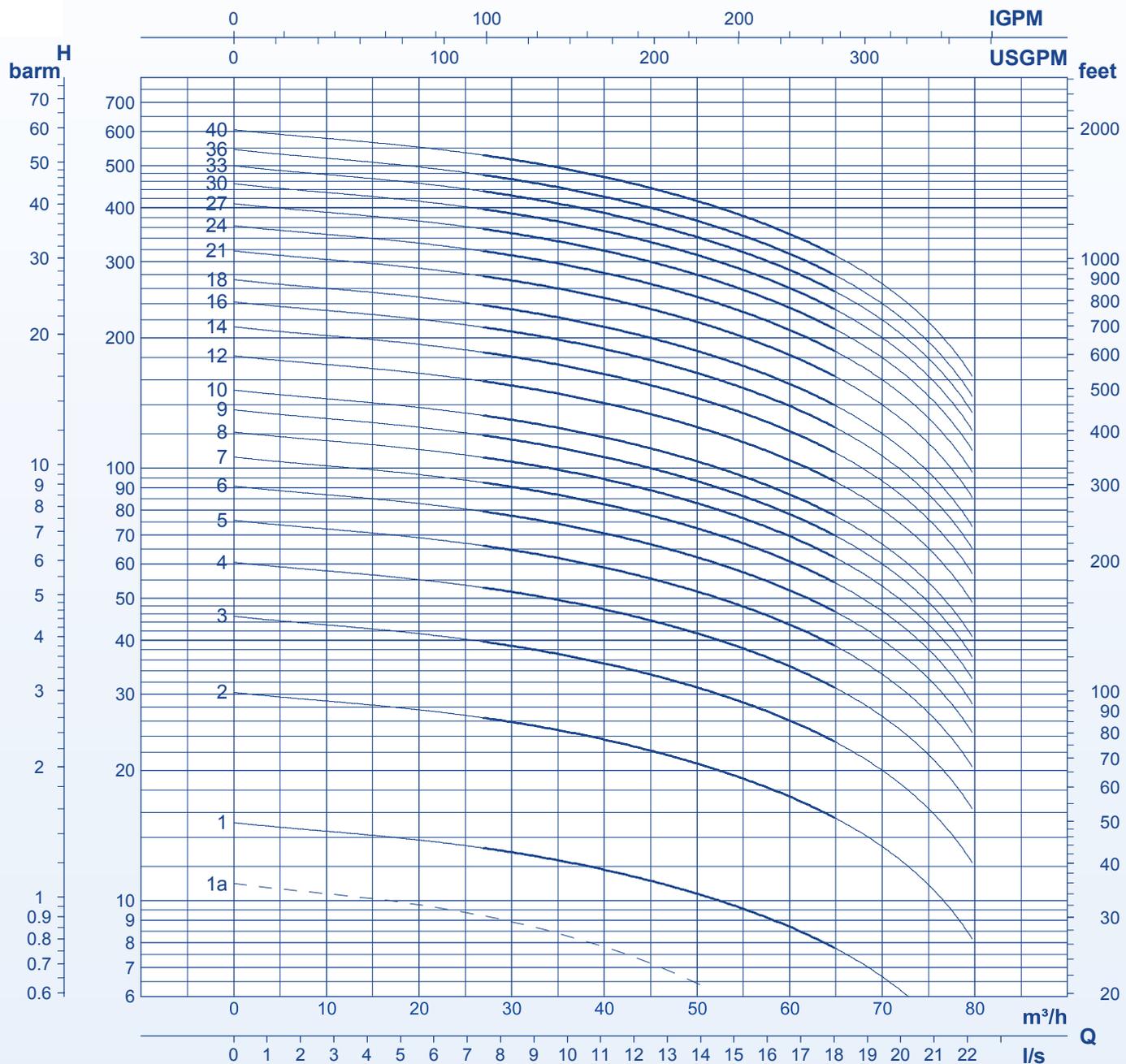


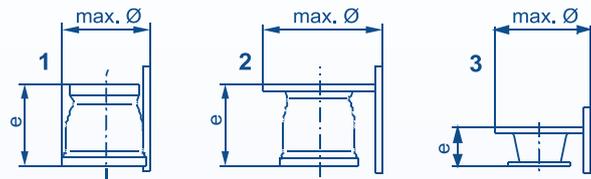
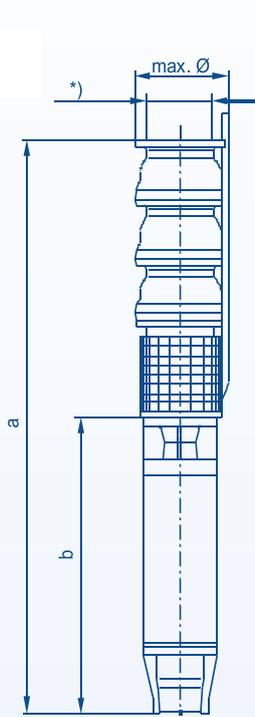
*) No standard flange



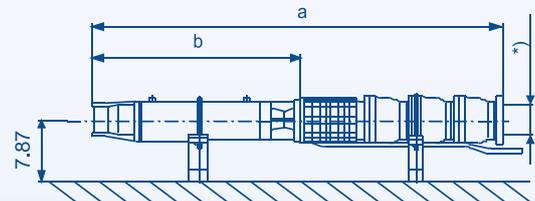
Curve	Pump + Motor d.o.l.	Motor YΔ star-delta	Motor		max. Ø 400 V		Unit		Weight kg	Installation	Motor leads	
			P kW	I 400 V A	direct mm	YΔ mm	Length a mm	b mm			d.o.l.	YΔ star-delta
1	PL06-0050- 1 + M6-160-2		5.5	13.4	147		835	555	49	h+v	1FI 4x2,5	
1	PL06-0050- 1 +	M6-200-2	7.5	17.2		147	875	595	53	h+v		2FI 3/4x2,5
2	PL06-0050- 2 + M6-160-2		5.5	13.4	147		950	555	54	h+v	1FI 4x2,5	
2	PL06-0050- 2 +	M6-200-2	7.5	17.2		147	990	595	58	h+v		2FI 3/4x2,5
3	PL06-0050- 3 + M6-200-2	M6-200-2	7.5	17.2	147	147	1105	595	64	h+v	1FI 4x2,5	2FI 3/4x2,5
4	PL06-0050- 4 + M6-240-2	M6-240-2	9.2	20.5	147	147	1260	635	74	h+v	1FI 4x2,5	2FI 3/4x2,5
5	PL06-0050- 5 + M6-270-2	M6-270-2	11	24	147	147	1405	665	83	h+v	1FI 4x2,5	2FI 3/4x2,5
6	PL06-0050- 6 + M6-305-2	M6-305-2	13	28.5	147	147	1555	700	92	h+v	1FI 4x2,5	2FI 3/4x2,5
7	PL06-0050- 7 + M6-340-2	M6-340-2	15	32	148	147	1705	735	102	h+v	1FI 4x4	2FI 3/4x2,5
8	PL06-0050- 8 + M6-400-2	M6-400-2	18.5	39	148	147	1880	795	115	h+v	1FI 4x4	2FI 3/4x2,5
9	PL06-0050- 9 + M6-400-2	M6-400-2	18.5	39	148	147	1995	795	120	h+v	1FI 4x4	2FI 3/4x2,5
10	PL06-0050-10 + M6-460-2	M6-460-2	22	46.5	149	147	2195	875	133	h+v	1FI 4x6	2FI 3/4x2,5
	PL06-0050-11 + M6-460-2	M6-460-2	22	46.5	149	147	2310	875	139	h+v	1FI 4x6	2FI 3/4x2,5
12	PL06-0050-12 + M6-530-2	M6-530-2	26	54	149	147	2495	945	152	h+v	1FI 4x6	2FI 3/4x2,5
	PL06-0050-13 + M6-530-2	M6-530-2	26	54	149	147	2610	945	158	h+v	1FI 4x6	2FI 3/4x2,5
14	PL06-0050-14 + M6-600-2	M6-600-2	30	62	153	148	2795	1015	172	h+v	1FI 4x10	2FI 3/4x4
	PL06-0050-15 + M6-600-2	M6-600-2	30	62	153	148	2910	1015	178	h+v	1FI 4x10	2FI 3/4x4
16	PL06-0050-16 + M6-650-2	M6-650-2	33	68	153	148	3080	1065	189	h+v	1FI 4x10	2FI 3/4x4
	PL06-0050-17 + M6-650-2	M6-650-2	33	68	153	148	3195	1065	195	h+v	1FI 4x10	2FI 3/4x4
18	PL06-0050-18 + M6-720-2	M6-720-2	37	76	153	148	3380	1135	208	h+v	1FI 4x10	2FI 3/4x4
	PL06-0050-19 + M6-720-2	M6-720-2	37	76	153	148	3495	1135	213	h+v	1FI 4x10	2FI 3/4x4
	PL06-0050-20 + M8-410-2	M8-410-2	40	79	186	186	3615	1120	353	h+v	1FI 4x16	2FI 3/4x6

Dimensions according to standard construction
 Motor leads must be submerged
 Motor select. for water temp. ≤ 20 °C and velocity at motor surf. ≥ 0,2 m/s
 Max. diameter incl. largest motor leads of the motor M6





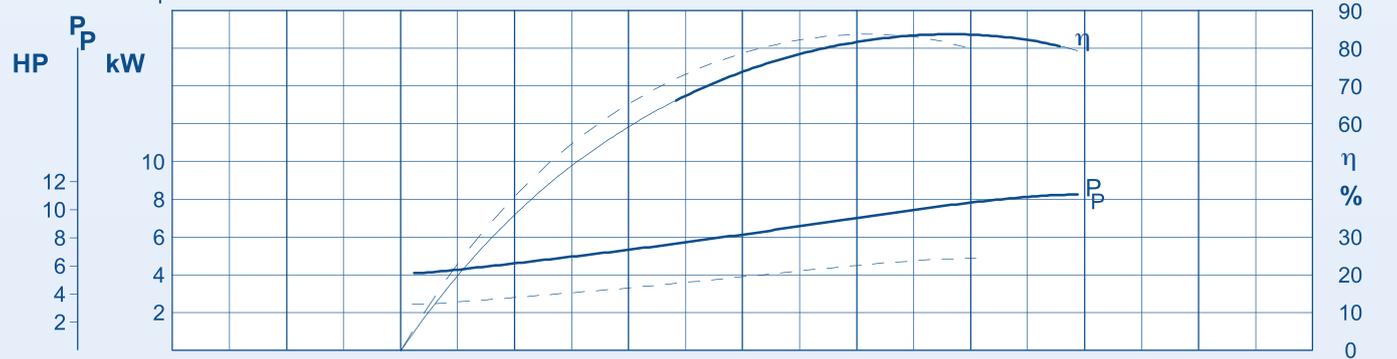
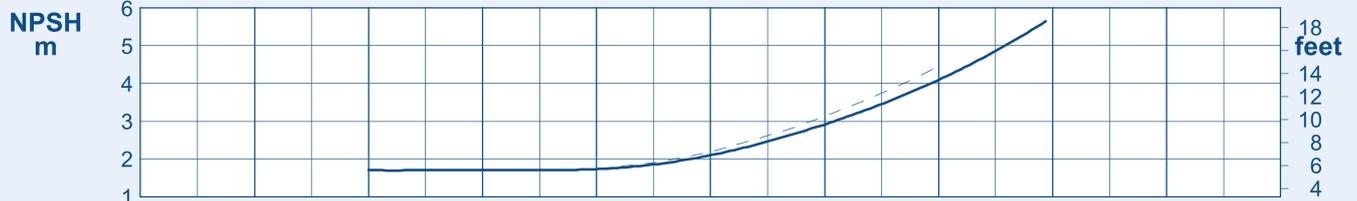
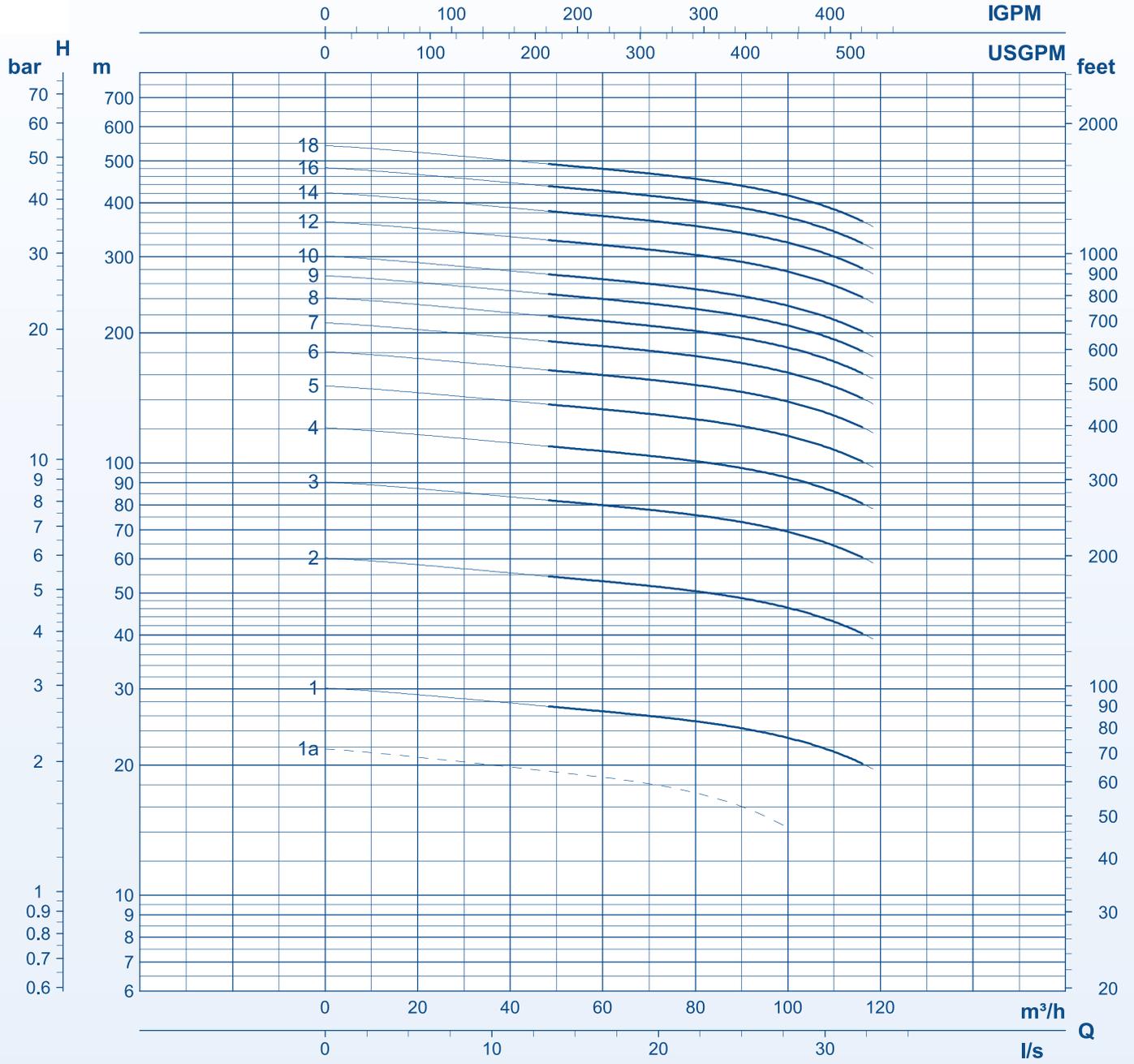
Piping connection							
Figure	Non-Return Valve	Taper	e mm	max. Ø at 400 V d.o.l. mm YΔ mm		Weight kg	Installation
1	G3, 3"NPT		179	164	148	7.2	v
1		G3, 3"NPT	123	164	148	4.5	h+v
3		DN80; PN10, 16	26	224	210	4.2	h+v
2	G3, 3"NPT	DN80; PN10, 16	259	224	210	13	v
3		DN80; PN40	26	224	210	5.2	h+v
3		DN100; PN10,16	29	244	230	5.9	h+v
2	G3, 3"NPT	DN100; PN10,16	264	244	230	14	v
3		DN100; PN40	45	259	249	7.8	h+v
				1)	1)		

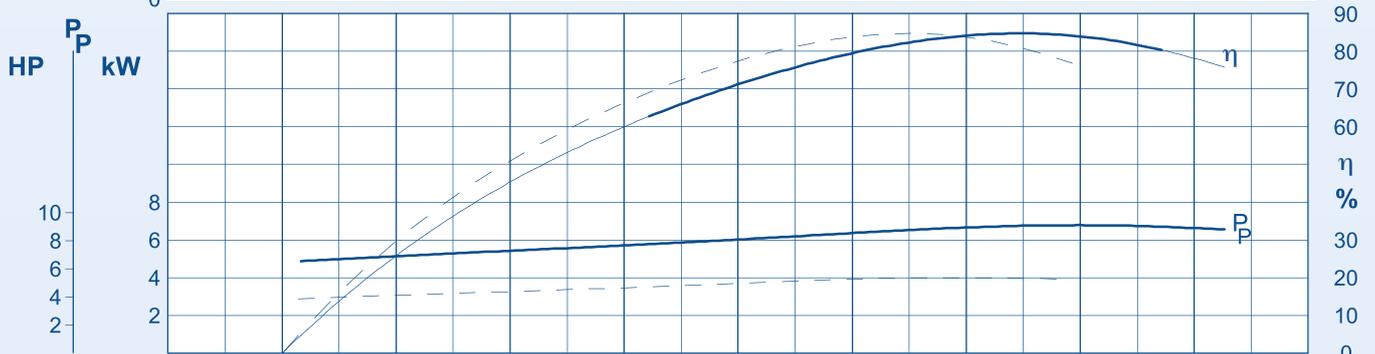
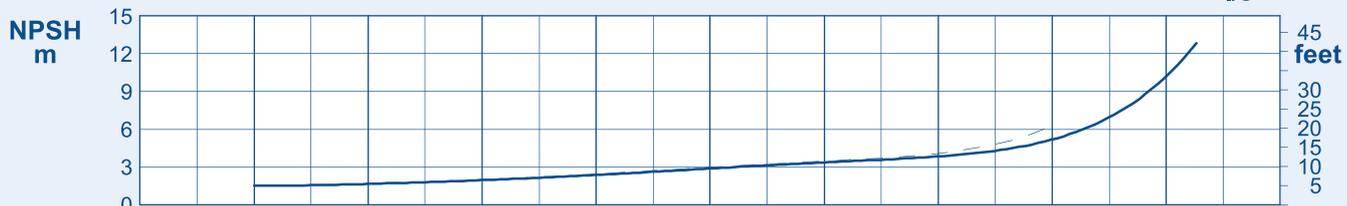
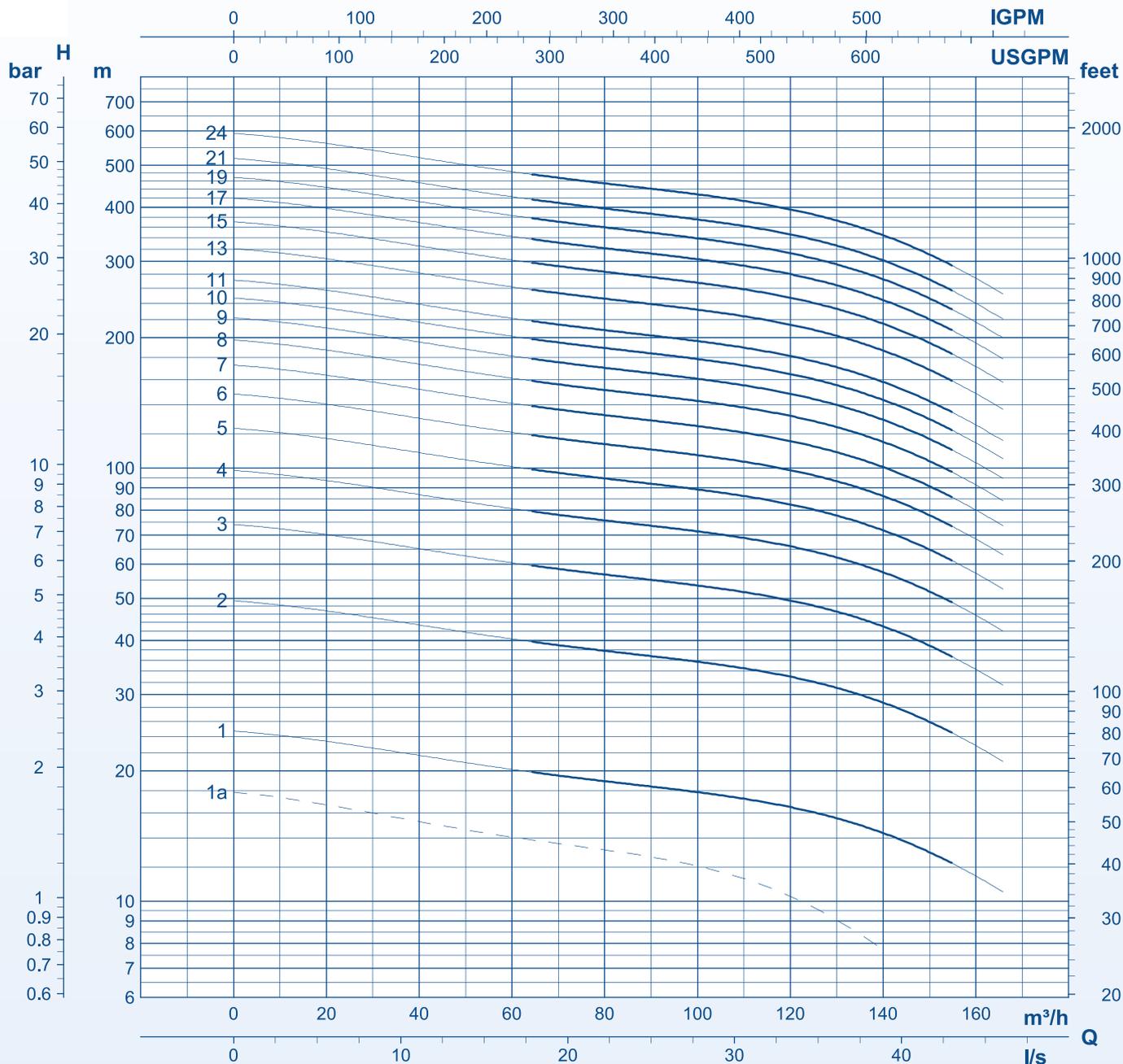


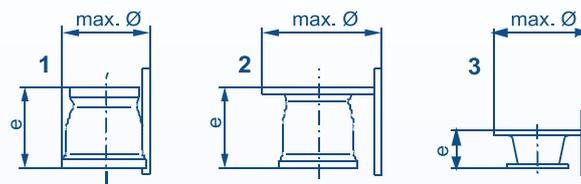
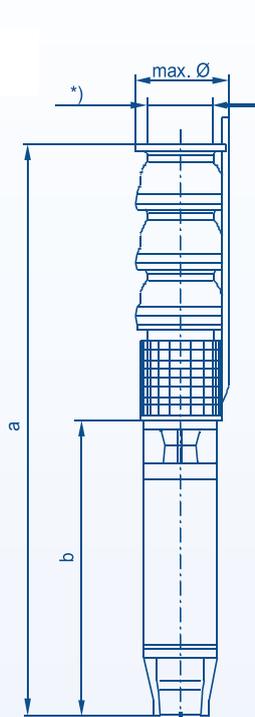
Curve	Pump + Motor d.o.l.	Motor YΔ star-delta	Motor		max. Ø 400 V		Unit Length		Weight kg	Installation	Motor leads	
			P kW	I 400 V A	direct mm	YΔ mm	a mm	b mm			d.o.l.	YΔ star-delta
21	PL06-0050-21 + M8-410-2	M8-410-2	40	79	186	186	3730	1120	363	h+v	1FI 4x16	2FI 3/4x6
	PL06-0050-22 + M8-480-2	M8-480-2	46	90	186	186	3915	1190	388	h+v	1FI 4x16	2FI 3/4x6
	PL06-0050-23 + M8-480-2	M8-480-2	46	90	186	186	4030	1190	398	h+v	1FI 4x16	2FI 3/4x6
24	PL06-0050-24 + M8-480-2	M8-480-2	46	90	186	186	4145	1190	408	h+v	1FI 4x16	2FI 3/4x6
	PL06-0050-25 + M8-530-2	M8-530-2	50	96	186	186	4310	1240	428	h+v	1FI 4x16	2FI 3/4x6
	PL06-0050-26 + M8-530-2	M8-530-2	50	96	186	186	4425	1240	438	h+v	1FI 4x16	2FI 3/4x6
27	PL06-0050-27 + M8-580-2	M8-580-2	55	105	193	186	4590	1290	459	h+v	1Rd 4x25	2FI 3/4x10
	PL06-0050-28 + M8-580-2	M8-580-2	55	105	193	186	4705	1290	469	h+v	1Rd 4x25	2FI 3/4x10
	PL06-0050-29 + M8-580-2	M8-580-2	55	105	193	186	4820	1290	479	h+v	1Rd 4x25	2FI 3/4x10
30	PL06-0050-30 + M8-650-2	M8-650-2	60	115	193	186	5005	1360	504	h+v	1Rd 4x25	2FI 3/4x10
	PL06-0050-31 + M8-650-2	M8-650-2	60	115	193	186	5120	1360	514	h+v	1Rd 4x25	2FI 3/4x10
	PL06-0050-32 + M8-710-2	M8-710-2	68	130	193	186	5295	1420	536	h+v	1Rd 4x25	2FI 3/4x10
33	PL06-0050-33 + M8-710-2	M8-710-2	68	130	193	186	5410	1420	546	h+v	1Rd 4x25	2FI 3/4x10
	PL06-0050-34 + M8-710-2	M8-710-2	68	130	193	186	5525	1420	556	h+v	1Rd 4x25	2FI 3/4x10
	PL06-0050-35 + M8-710-2	M8-710-2	68	130	193	186	5640	1420	566	h+v	1Rd 4x25	2FI 3/4x10
36	PL06-0050-36 + M8-820-2	M8-820-2	75	143	186	186	5865	1530	599	v	4Rd 1x16P	2FI 3/4x16
	PL06-0050-37 + M8-820-2	M8-820-2	75	143	186	186	5980	1530	609	v	4Rd 1x16P	2FI 3/4x16
	PL06-0050-38 + M8-820-2	M8-820-2	75	143	186	186	6095	1530	619	v	4Rd 1x16P	2FI 3/4x16
	PL06-0050-39 + M8-820-2	M8-820-2	75	143	186	186	6210	1530	629	v	4Rd 1x16P	2FI 3/4x16
40	PL06-0050-40 + M8-930-2	M8-930-2	83	158	186	186	6435	1640	663	v	4Rd 1x25P	2FI 3/4x16

Dimensions according to standard construction
 Motor leads must be submerged
 Motor select. for water temp. ≤ 20 °C and velocity at motor surf. ≥ 0,2 m/s
 Max. diameter incl. largest motor I ads of the motor M6

Subject to alterations



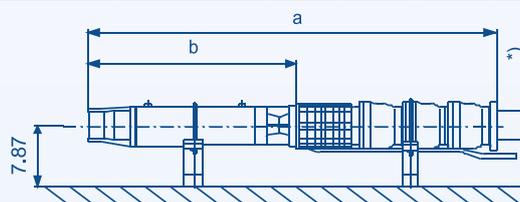




Piping connection							
Figure	Non-Return Valve	Taper	e mm	max. Ø at 400 V		Weight kg	Installation
				d.o.l. mm	YΔ mm		
1	G5, 5"NPT		205	210	206	13	v
1		G5, 5"NPT	120	210	206	7.2	h+v
2	DN125; PN16		205	272	268	19	v
3		DN125; PN16	70	272	268	8	h+v
2	DN125; PN40		205	292	288	22	v
3		DN125; PN40	70	292	288	12	h+v
3		DN125; PN63	90	317	313	18	h+v
				1)	1)		

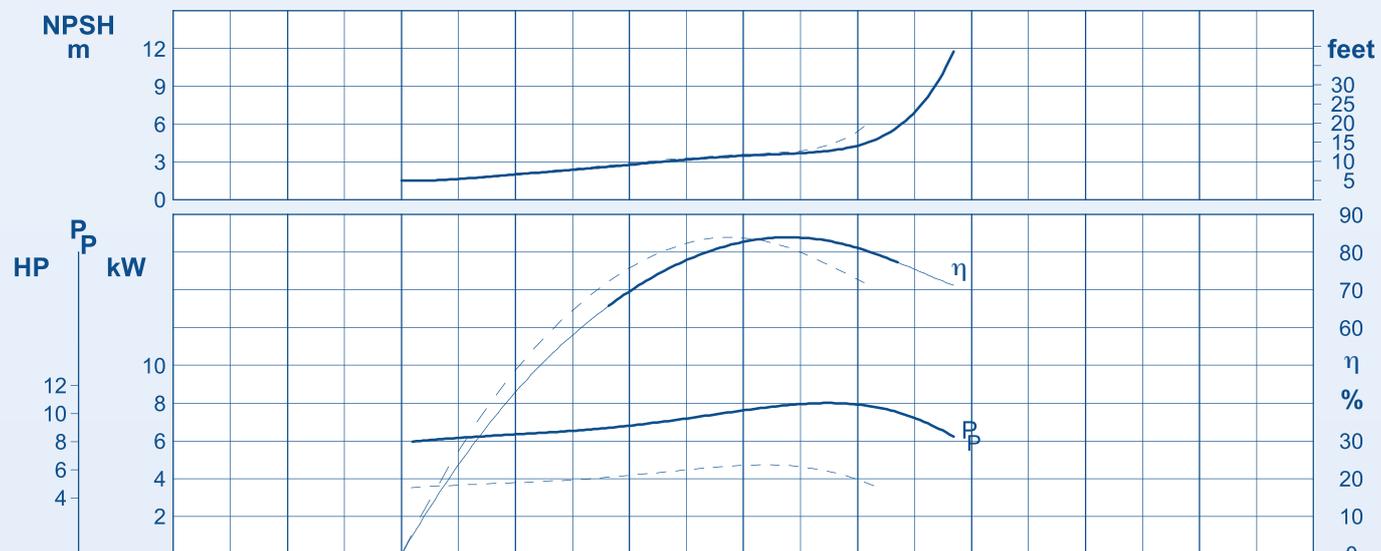
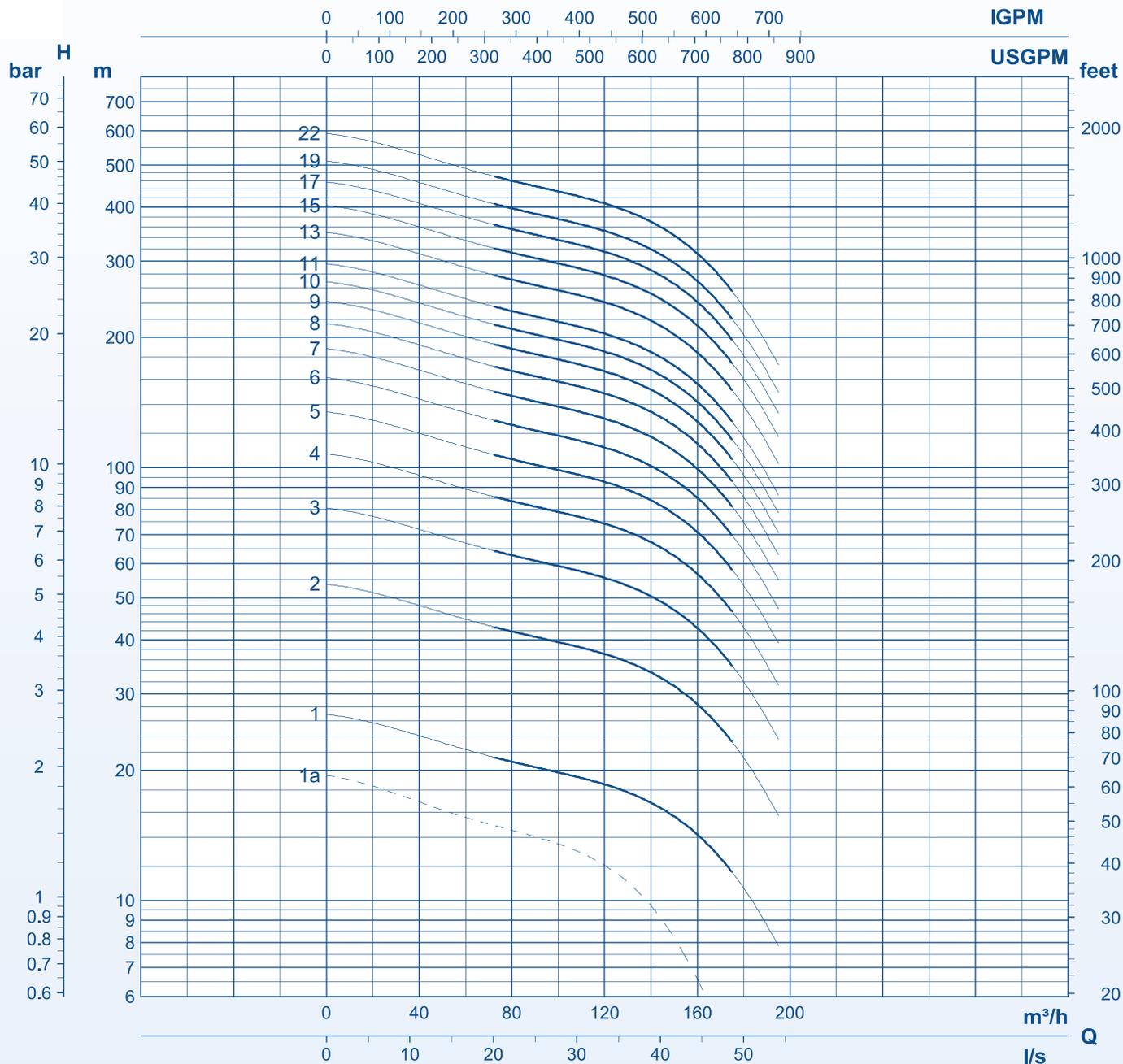


*) No standard flange



Curve	Pump + Motor d.o.l.	Motor YΔ star-delta	Motor		max. Ø 400 V		Unit Length		Weight kg	Installation	Motor leads	
			P kW	I 400 V A	direct mm	YΔ mm	a mm	b mm			d.o.l.	YΔ star-delta
1	PL08-0120- 1 + M6-200-2	M6-200-2	7.5	17.2	189	189	1085	595	72	h+v	1FI 4x2,5	2FI 3/4x2,5
2	PL08-0120- 2 + M6-305-2	M6-305-2	13	28.5	189	189	1330	700	93	h+v	1FI 4x2,5	2FI 3/4x2,5
3	PL08-0120- 3 + M6-400-2	M6-400-2	18.5	39	190	189	1565	795	114	h+v	1FI 4x4	2FI 3/4x2,5
4	PL08-0120- 4 + M6-530-2	M6-530-2	26	54	191	189	1855	945	139	h+v	1FI 4x6	2FI 3/4x2,5
5	PL08-0120- 5 + M6-650-2	M6-650-2	33	68	195	190	2115	1065	163	h+v	1FI 4x10	2FI 3/4x4
6	PL08-0120- 6 + M6-720-2	M6-720-2	37	76	195	190	2325	1135	180	h+v	1FI 4x10	2FI 3/4x4
7	PL08-0120- 7 + M8-480-2	M8-480-2	46	90	198	191	2520	1190	244	h+v	1FI 4x16	2FI 3/4x6
8	PL08-0120- 8 + M8-530-2	M8-530-2	50	96	198	191	2710	1240	264	h+v	1FI 4x16	2FI 3/4x6
9	PL08-0120- 9 + M8-580-2	M8-580-2	55	105	215	195	2900	1290	285	h+v	1Rd 4x25	2FI 3/4x10
10	PL08-0120-10 + M8-710-2	M8-710-2	68	130	215	195	3170	1420	322	h+v	1Rd 4x25	2FI 3/4x10
11	PL08-0120-11 + M8-710-2	M8-710-2	68	130	215	195	3310	1420	332	h+v	1Rd 4x25	2FI 3/4x10
	PL08-0120-12 + M8-820-2	M8-820-2	75	143	200	207	3560	1530	365	v	4Rd 1x16P	2FI 3/4x16
13	PL08-0120-13 + M8-930-2	M8-930-2	83	158	204	207	3810	1640	399	v	4Rd 1x25P	2FI 3/4x16
	PL08-0120-14 + M8-990-2	M8-990-2	90	172	204	207	4010	1700	421	v	4Rd 1x25P	2FI 3/4x16
15	PL08-0120-15 + MI10-600-2	MI10-600-2	110	220	230	246	4015	1535	447	h+v	4Rd 1x35P	3/4Rd 1x16P
	PL08-0120-16 + MI10-600-2	MI10-600-2	110	220	250	246	4155	1535	457	h+v	4Rd 1x35P	3/4Rd 1x16P
17	PL08-0120-17 + MI10-600-2	MI10-600-2	110	220	250	246	4295	1535	467	h+v	4Rd 1x35P	3/4Rd 1x16P
	PL08-0120-18 + MI10-600-2	MI10-600-2	110	220	250	246	4435	1535	477	h+v	4Rd 1x35P	3/4Rd 1x16P
19	PL08-0120-19 + MI10-740-2	MI10-740-2	140	275	252	248	4715	1675	523	h+v	4Rd 1x50P	3/4Rd 1x25P
	PL08-0120-20 + MI10-740-2	MI10-740-2	140	275	252	248	4855	1675	533	h+v	4Rd 1x50P	3/4Rd 1x25P
21	PL08-0120-21 + MI10-740-2	MI10-740-2	140	275	252	248	4995	1675	543	h+v	4Rd 1x50P	3/4Rd 1x25P
	PL08-0120-22 + MI10-740-2	MI10-740-2	140	275	252	248	5135	1675	553	h+v	4Rd 1x50P	3/4Rd 1x25P
	PL08-0120-23 + MI10-740-2	MI10-740-2	140	275	252	248	5275	1675	563	h+v	4Rd 1x50P	3/4Rd 1x25P
24	PL08-0120-24 + MI10-880-2	MI10-880-2	170	330	248	248	5555	1815	608	v	3/4Rd 1x25P	3/4Rd 1x25P

Dimensions according to standard construction
 Motor leads must be submerged
 Motor select. for water temp. ≤ 20 °C and velocity at motor surf. ≥ 0,25 m/s
 Max. diameter incl. largest motor leads of the motor MI10



SPECIALIST MOTOR TECHNOLOGIES

CUSTOMIZED MOTOR SOLUTIONS

High efficiency submersible electric motors, with customized corrosion protection and extended power ranges.

PLEUGER's unique motor designs are manufactured to the highest quality standards in our Centre of Excellence in Germany.

TECHNICAL SPECIFICATIONS:

- Water-filled motors as standard
- Oil-filled motors on request
- Sizes: 4 to 50 inch
- Power output: 0.37 kW to 5 MW (0.5 HP to 6,700 HP)
- 230V to 6.6kV
- 3PH - 50Hz & 60Hz
- 2 pole (standard) to 12 pole available
- Suitable for VFD operation
- Operating temperature up to 100°C (212°F)

STANDARDS:

- Design Standards: ANSI / ASTM / DIN / ISO / Hydraulic Institute / CE marking / API 610
- Hydraulic Standards: ANSI/HI / EN ISO / API610 / NFPA20
- Electrical Standards: NEMA / IEC / IEEE
- Certifications: DNV GL / ABS / CSA / ATEX
- Approvals: ISO 9001

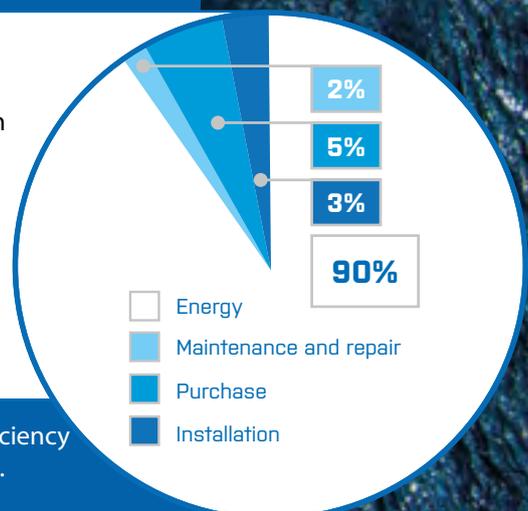
LIFE-CYCLE COST SOLUTIONS

Typically, 90% of the total life-cycle cost (LCC) of a pumping system is accumulated after the equipment is purchased and installed.

PLEUGER has created an extensive suite of solutions to provide unprecedented value and cost savings to customers throughout the lifespan of the pumping system.

These solutions account for all facets of the life-cycle, including capital and operating costs.

PLEUGER's Permanent Magnet Motor technology (PMM) and high efficiency hydraulics are driving down the cost of owning and operating pumps.



MOTOR FEATURES AND BENEFITS

Designed for performance and built for reliability, PLEUGER motors reduce life-cycle costs and won't let you down.

FLAT OR ROUND CABLE

Space-saving cable design for installation with limited space

NEMA FLANGE CONNECTION

Offers easy connection to standard hydraulics

MOTOR HOUSING

Robustly designed cast housing ensures reliable strength, rigidity, corrosion resistance and durability

INDUCTION MOTOR: SQUIRREL CAGE ROTOR FOR ASYNCHRONOUS MOTOR

or

PERMANENT MAGNET MOTOR: ROTOR EQUIPPED WITH PERMANENT MAGNETS FOR SYNCHRONOUS MOTOR

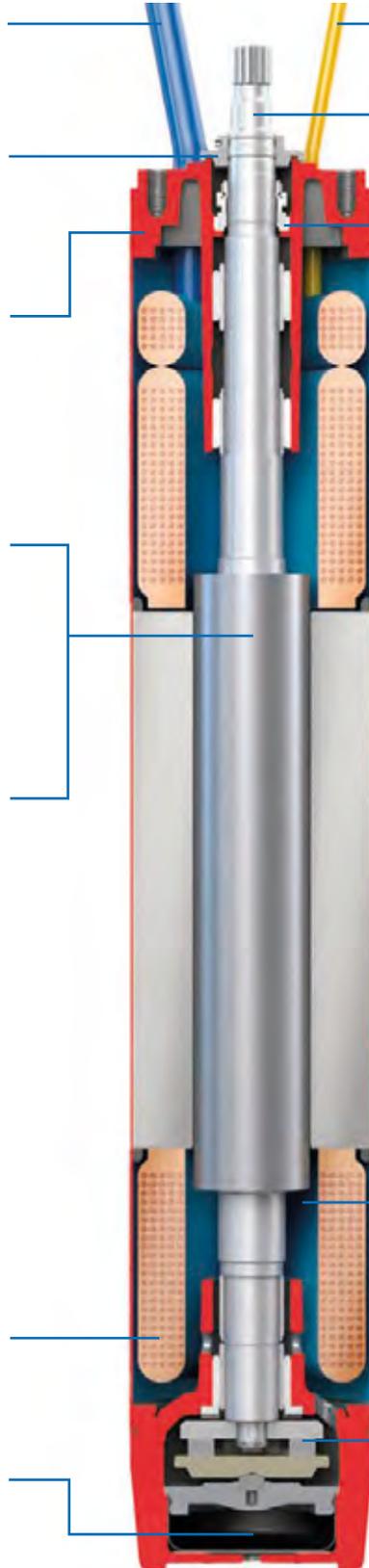
- Up to 14 % points higher motor efficiency compared to asynchronous motors, through reduction in copper loss
- Hermetically sealed rotor ensures protection of magnets against corrosion and mechanical damage
- Up to 200 kW (268 HP) available

REWINDABLE WINDING

Provides maintenance cost savings, PE insulation as standard

RUBBER DIAPHRAGM

Guarantees pressure and volume compensation of liquid inside and outside the motor to extend mechanical seal and O-ring service life



SIGNAL CABLE (OPTIONAL)

Combined with the PT100 temperature sensor for monitoring motor temperature

MOTOR SHAFT END

Standard duplex stainless-steel construction provides the best combination of corrosion resistance, mechanical strength and rigidity. Special materials available on request

MECHANICAL SEAL

High-grade SIC/SIC/Viton® as standard ensures wear resistance and ultra-low maintenance operation

STATOR TUBE

Standard 316 stainless-steel construction offers excellent corrosion resistance over the service life. Special materials available on request

MOTOR FILLING

Prefilled and tested with water/glycol mixture or potable water on request

THRUST BEARING

Heavy-duty, ultra-low maintenance design to ensure extraordinary motor lifetime, developed by PLEUGER



DELIVERING PERFORMANCE

ACROSS THE WORLD



TOTAL COMMITMENT

At SPP Pumps we are committed to providing the very best in customer service support, it's what we pride ourselves upon. Customer support is our business. We have built our reputation by providing a fast, cost effective service whilst maintaining continually high standards of workmanship and quality. Available to you 24 hours a day, 365 days a year, we are only a phone call away.

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PLEUGER
INDUSTRIES

SPP

PUMPS

PROTECTING LIFE. IMPROVING LIVES.

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