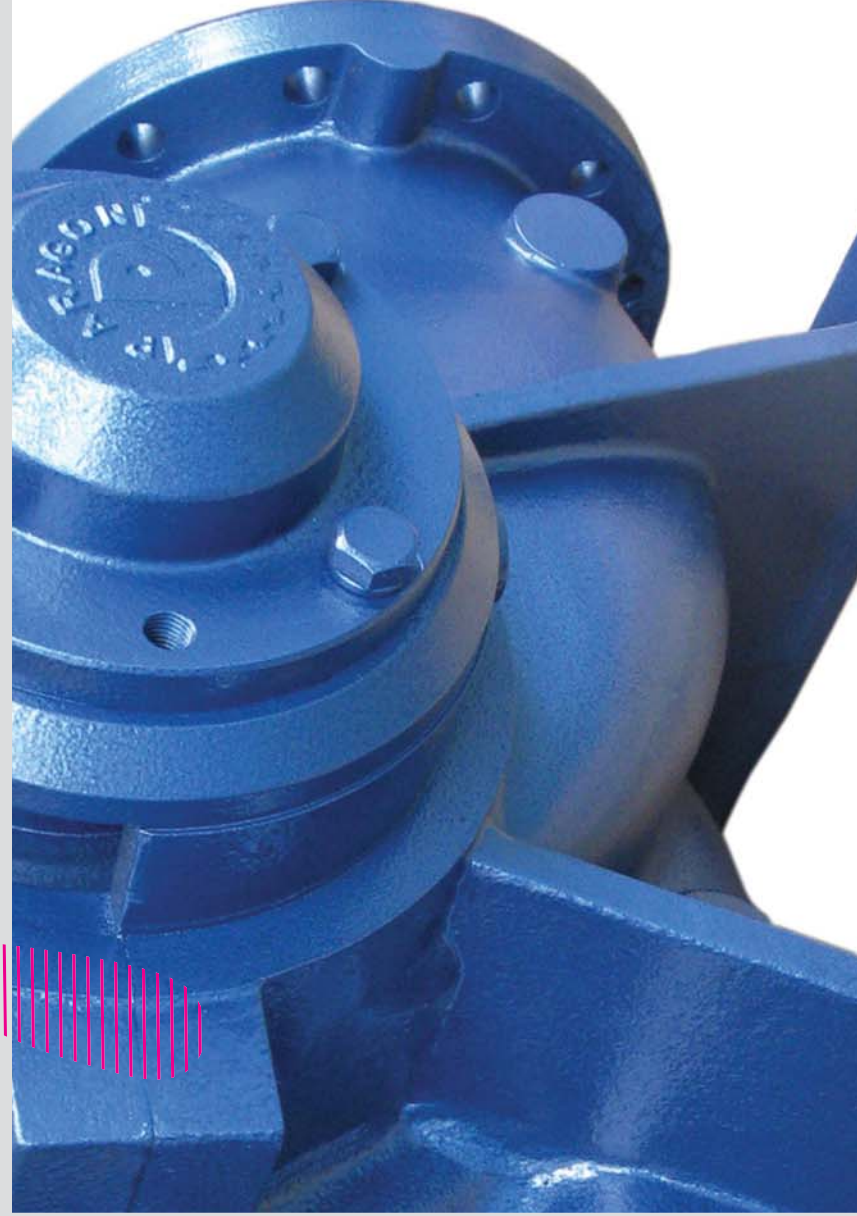
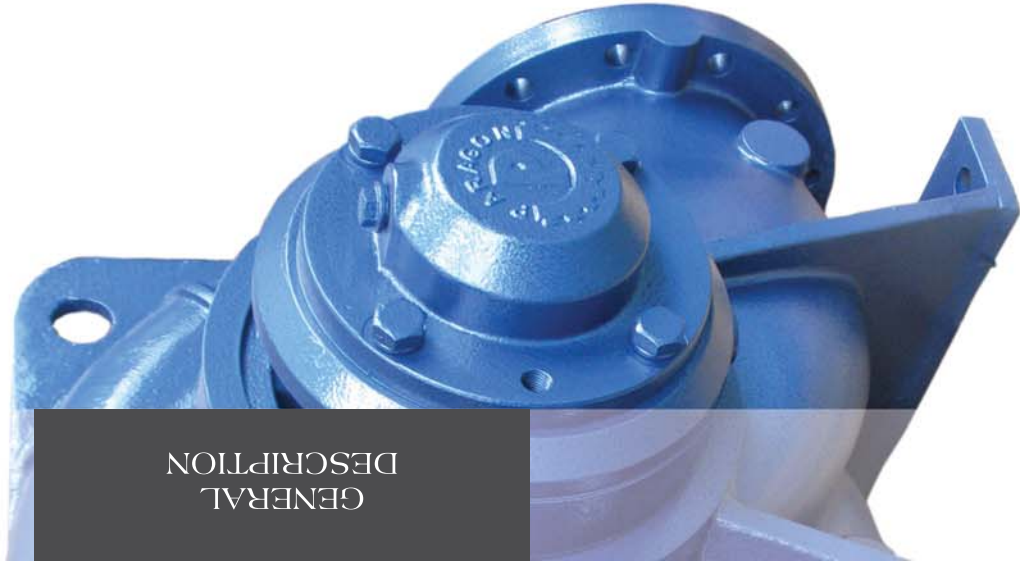




PS SERIES

SINGLE STAGE DOUBLE SUCTION
SPLIT CASING CENTRIFUGAL PUMP





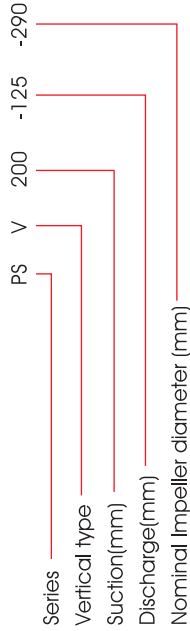
APPLICATIONS

Waterworks, Irrigation, Air-Conditioning Systems, Drainage pumping stations, Power stations, Industrial water supply systems & Fire fighting applications in refineries.

OPERATING DATA

Discharge Diameter	80 ~ 600mm
Max Capacity	2000l/s
Max Head	170m
Max Pressure	16 Bar Standard, 25 Bar on Request
Max Temperature	105°C

MODEL CODE



PUMP CASING

The casing is axially split, which permits removal of the complete rotor without disturbing either piping or the motor.

Pumps generating high heads have double volutes to reduce radial forces, ensuring minimal shaft deflection and low bearing loads.

Replaceable wear rings protect the casing at the impeller running clearances. High head pumps are also fitted with replaceable impeller wear rings.

Flanges drilled to DIN PN10 with options for flanges drilled to ISO, BS or ANSI standards.

IMPELLER

The closed impellers have double curved vanes. The double suction design gives practically zero axial forces. Each impeller is statically and dynamically balanced according to ISO 1940.

BEARINGS

Both sides are grease lubricated deep groove ball bearings, sealed for life. Oil lubrication are also available as optional.

SHAFT SEAL

Uncooled soft-packed stuffing box or uncooled single acting. Unbalanced mechanical seal. According to DIN 24960, independent of direction of rotation.

Optional : Balanced mechanical seal available for operating pressure higher than 16 bar.

MATERIALS

	Standard Bronze Fitted	Standard Cast Iron Fitted	Stainless Steel Construction
Casing	Cast Iron	Cast Iron	304/316 SS
Impeller	Bronze	Cast Iron	304/316 SS
Shaft	420 SS	420 SS	304/316 SS
Shaft Seal	Single Unloaded Mech Seal		

PUMP CASING, CASING COVER

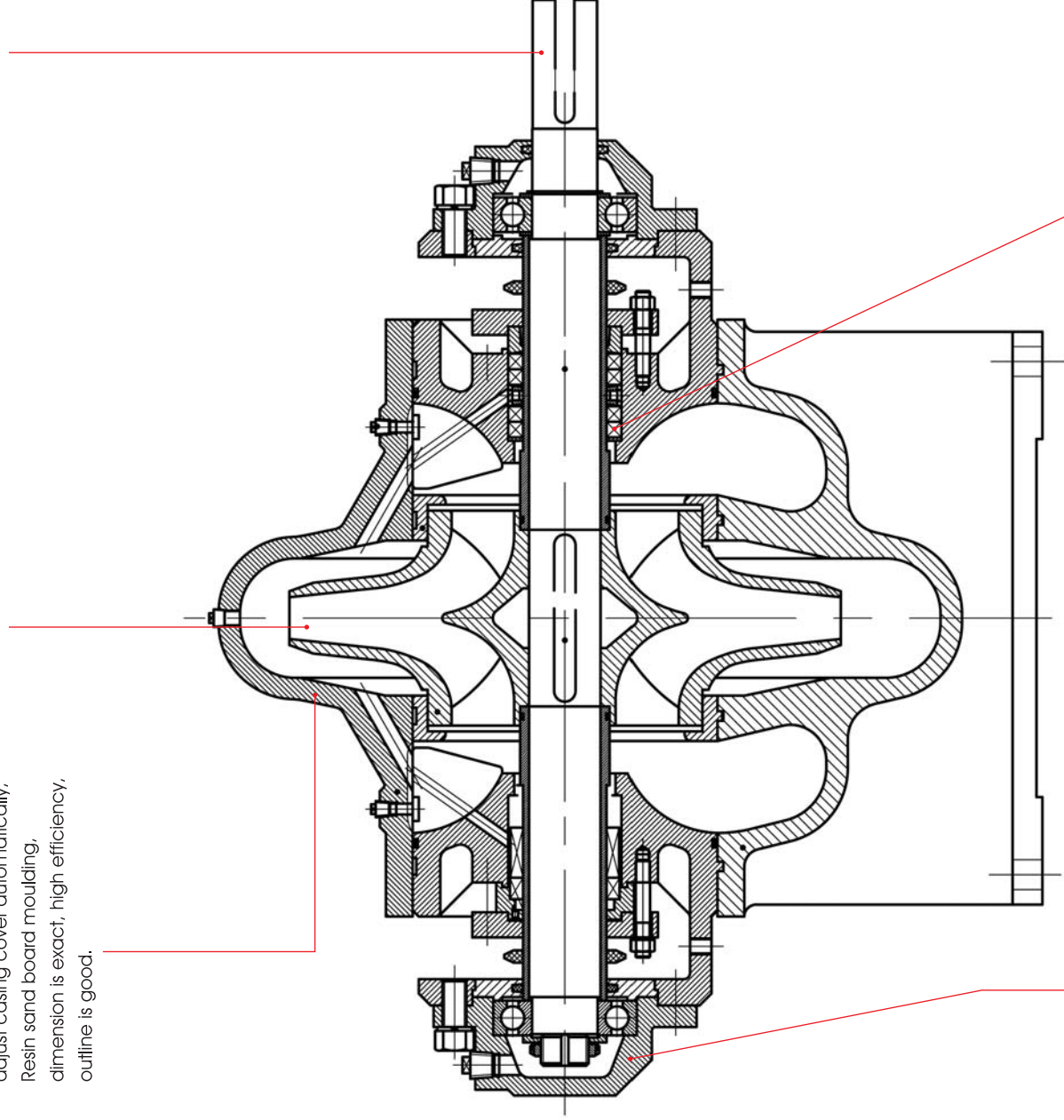
Linearity designed and attached with strengthening rib, appearance is fine; Supporting distance between two ends is short, and its shaft is also short; Most part of casing adopts double-passage design, high efficiency; Can adjust casing cover automatically; Resin sand board moulding, dimension is exact, high efficiency, outline is good.

IMPELLER

Resin sand board moulding, dimension is accurate, high efficiency; Serial efficiency is 3-5% higher than common double-suction pump; It is dynamically balanced, operation is even, low noise.

SHAFT

Shorten the shaft distance between bearings to lengthen the life of bearing and mechanical seals; Fully sealed, don't contact to medium, no erosion; Needn't adjust when assemble; Serial design, high interchangeability.

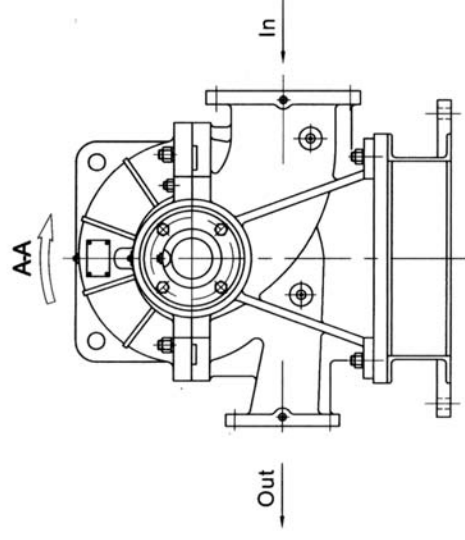


BEARING HOUSING AND BEARING

Dismantling is convenient, has enough space to maintain and repair; Casing, casing cover, seal chamber and bearing body are of integrated mass, good appearance.

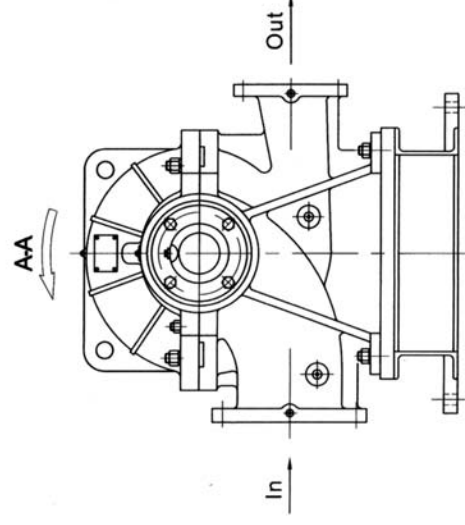
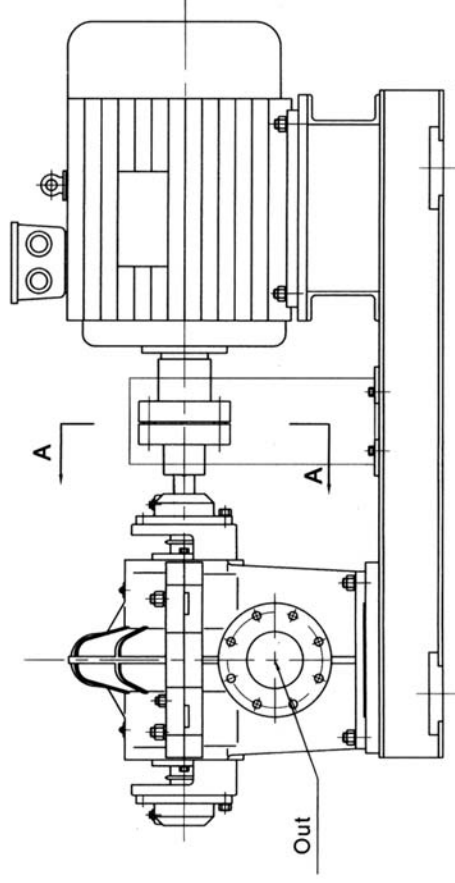
SEALING SYSTEM

Inside seal, the lubrication and flushing of seal system by closed circulating water are more direct, efficient; Inside seal and lubrication structure makes the whole frame of pump to be an integrated mass.



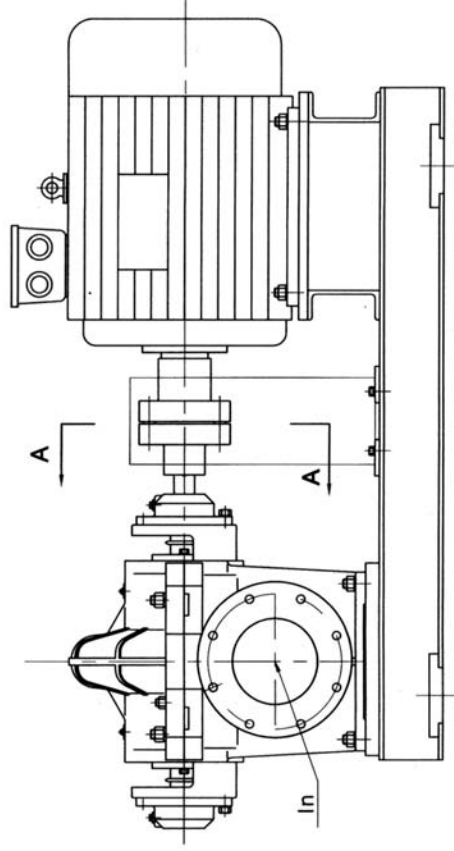
ROTATION STANDARD TYPE

Clockwise viewing from the drive side

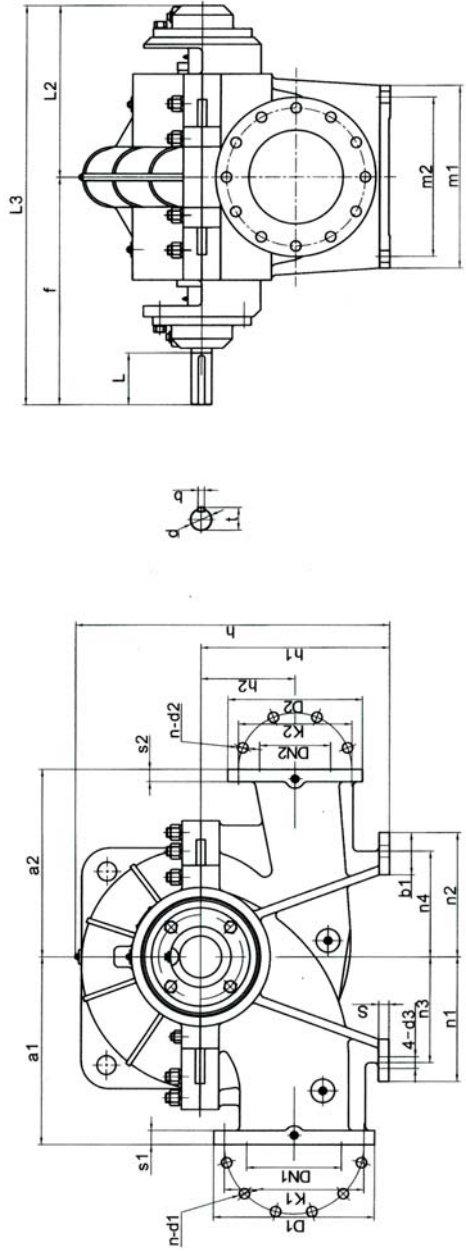


SPECIAL TYPE

Counter-clockwise viewing from the drive side

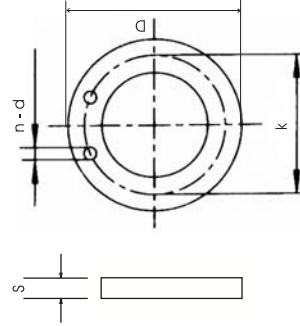


ES OUTLINE DRAWING & INSTALLING DIMENSIONS

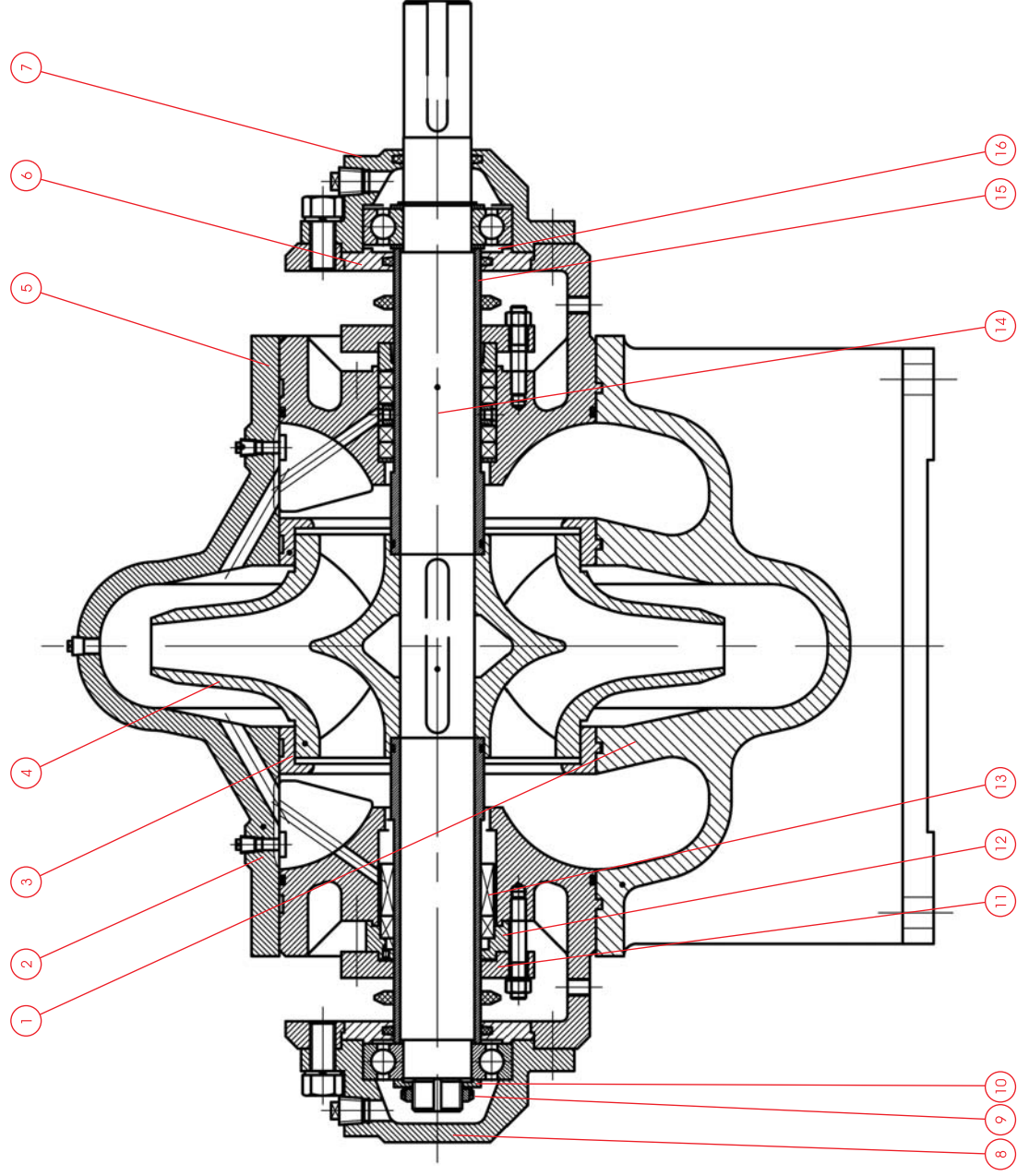


PUMP DIMENSION

PUMP MODEL	Flange		a1	a2	f	L2	L3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s	d	b	l
	DN1	DN2																				
PS 125 x 80 - 210	125	80	300	300			480	315	140		320	270	205	205	170	170	80			ø34	10	80
PS 125 x 80 - 270							505	540														
PS 125 x 80 - 370			330	330	385	300	685	545					235	235	200	200	75	ø25	22			
PS 150 x 100 - 250	150	100					585	355	170													
PS 150 x 100 - 310							610															
PS 150 x 100 - 375							620															
PS 200 x 125 - 230			370	370			635						265	265	225	225	90					
PS 200 x 125 - 365					485	365	850	400	200		390	340	320	320	280	280	85			ø44	12	
PS 200 x 125 - 500			450	450			715															
PS 200 x 150 - 290			400	400			655						265	265	225	225	90					
PS 200 x 150 - 360			450	450			670						315	315	280	280	75					
PS 200 x 150 - 605			600	500			885		300				390	390	350	350	95					
PS 250 x 200 - 250			450	450	520	400	820	780	500	240	480	430	315	315	280	280	85	ø25	25	ø54	16	
PS 250 x 200 - 320			500	500			800						330	330			100					
PS 250 x 200 - 420	250	200	600	600			920		350	300	490						110	ø28	28			
PS 250 x 200 - 520			650	550	614	464	1078	1000	630	300	500	400	400	400	350	350	100	ø30	35	ø64	18	140
PS 250 x 200 - 670							940			300	480											
PS 300 x 250 - 280			500	500			1070	945	600				400	400	350	350	100	ø30	28			
PS 300 x 250 - 370	300	250	550	550	695	515	1210	950			600	520					110		32	ø74	20	170
PS 300 x 250 - 480			650	550			1050	630	350													
PS 350 x 250 - 300	350	300	550	500	614	464	1078	1000	630	300	500	400	400	400	350	350	100		30	ø64	18	140
PS 400 x 300 - 435			650	550	695	515	1210	1050	670	350	600								32	ø74	20	
PS 400 x 300 - 560			700	650	765	585	1350	1135	710				525	525	475	475	110		35	ø84	22	
PS 400 x 300 - 700			750	650			1235	750	400		620		530	530	440	440	120		40			
PS 400 x 350 - 305			650	550	695	515	1060	670	350		600		400	400	350	350	100	ø30	32	ø74	20	
PS 400 x 350 - 360							1090															
PS 450 x 350 - 430	450	350	750	750			1165	750					530	530			120		35			170
PS 400 x 350 - 510	400		700	650	765	585	1350	1185					525	525	475	475	110			ø84	22	
PS 450 x 350 - 660	450		750	750			1255	780	400		620		530	530					40			
PS 500 x 400 - 410			700	550	840	655	1495	1205					420	420	370	370				ø75	20	
PS 500 x 400 - 460			650				1225						550	550	500	500						
PS 500 x 400 - 520			750	650	765	585	1350	1380	900	450	700	600	500	500	440	440		ø33	45	ø84	22	
PS 500 x 400 - 680					895	670	1565	1390	850		720		500	500					40	ø95	25	210
PS 600 x 500 - 510			850	750	940	755	1695	1490	950	475	900	780	560	560	500	500				ø85	22	170
PS 600 x 500 - 640																						
PS 600 x 500 - 700	600	500	850	850	935	710	1645	1630	1050	550	790	660	720	720	660	660				ø105	28	210
PS 600 x 500 - 790			1000	900			1760	1100	600											ø115	32	220
PS 600 x 500 - 890			1050	950	1078	810	1888	1855	1150	650	1000	900	710	710	650	650	150	ø42				
PS 700 x 600 - 540			1100	900	940	755	1695	1695	1100	560	910	790	705	705						ø85	22	170
PS 700 x 600 - 620			1000	1000	1025	800	1825	1725			950	850	725	725	665	665				ø105	28	210
PS 700 x 600 - 710	700	600	1100	1000	1078	810	1888	1710	1050	545	1020	900	710	710	650	650				ø115	32	220
PS 700 x 600 - 830			1100	1200	1130	855	1985	1850	1150	650	970	820	710	710	650	650				ø125	32	250

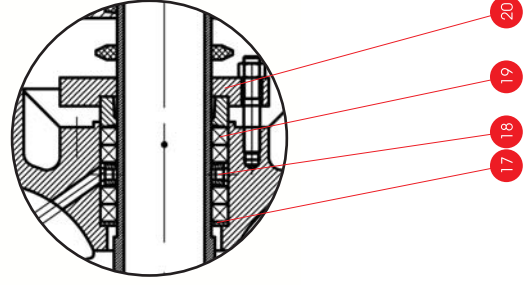


STANDARD	DN 80	DN 100	DN 125	DN 150	DN 200	DN 250	DN 300	DN 350	DN 400	DN 500	DN 600	DN 700
K	160	180	210	240	295	355	410	470	525	650	770	840
D	200	220	250	285	340	405	460	520	580	715	840	910
S	22	24	26	26	30	32	34	38	40	46	54	54
n - d	8 x 17,5	8 x 17,5	8 x 17,5	8 x 22	12 x 22	12 x 26	12 x 26	16 x 26	16 x 30	20 x 33	20 x 36	24 x 36

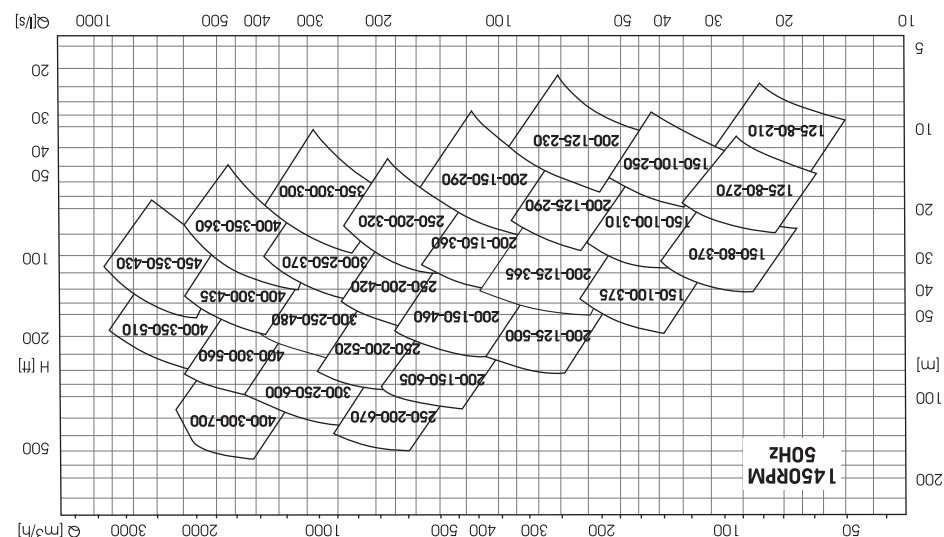
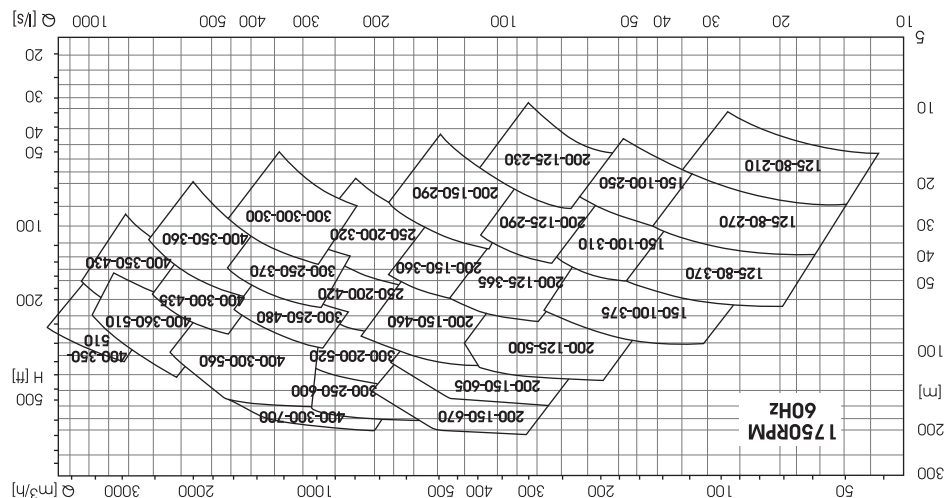
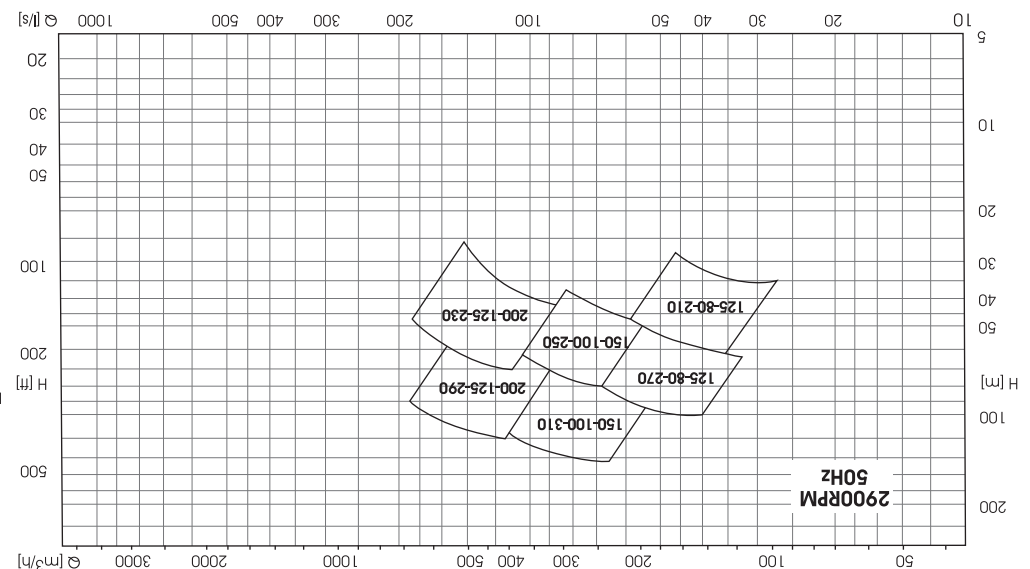
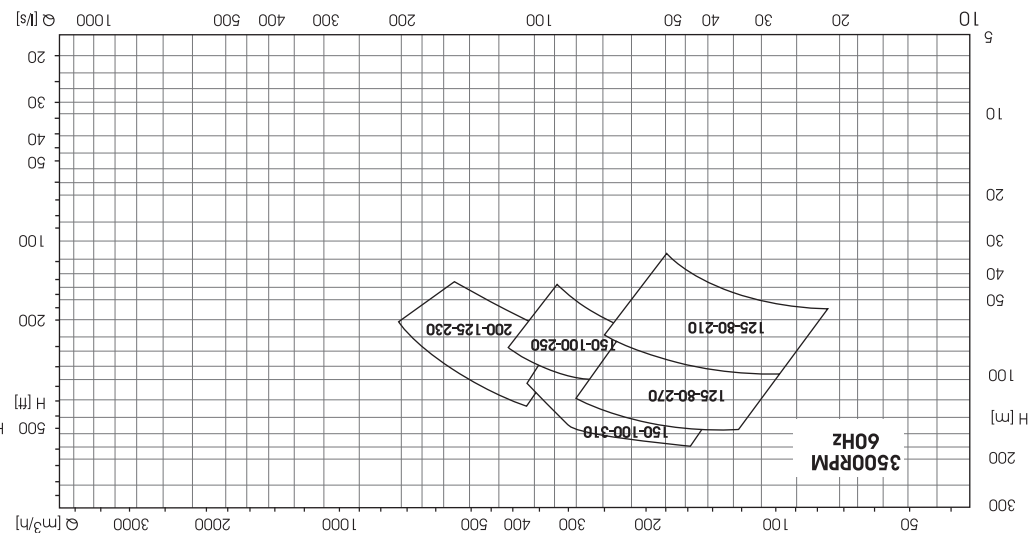


NO. SPARE PART

1. Casing
2. Casing Cover
3. Wear Ring
4. Impeller
5. Seal Housing
6. Bearing Cover
7. Drive End Bearing Housing
8. Non-drive End Bearing Housing
9. Lock Nut
10. Bearing Barfile
11. Seal Plate
12. Seal Cover
13. Mechanical Seal
14. Shaft
15. Shaft Sleeve
16. Bearing Pressing Ring
17. Packing Pressing Ring
18. Seal Cage
19. Gland Packing
20. Gland Cover



General Performance Curve





PARAGON PUMP (ASIA) PTE LTD

37, Kallang Pudding Road, #08-08
Tong Lee Building Block B, Singapore 349315
Tel : 6841 2818 Fax : 6841 5988