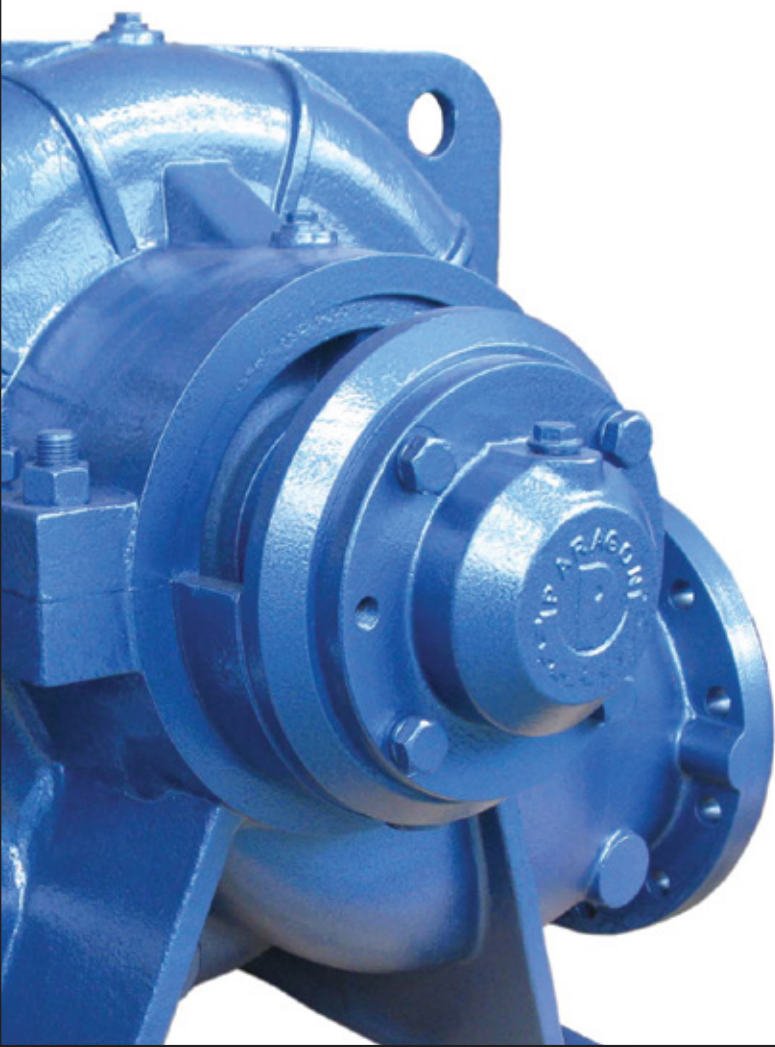




PARAGON PUMPS

SINGLE STAGE DOUBLE SUCTION
SPLIT CASING
CENTRIFUGAL PUMP:
PS & PSV

General Data





APPLICATIONS

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

OPERATING DATA

Discharge Diameter	50-350mm
Max Capacity	950 l/s
Max Head	190m
Max Pressure	16 Bar Standard, 25 Bar (On Request)
Max Temperature	85°C, 105°C (On Request)

MODEL CODE

Series	PS
Vertical Type	V
Suction (mm)	200
Discharge (mm)	-125
Nominal Impeller Diameter (mm)	-290

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 DIN2501/PN16 with options for flanges drilled to ISO, BS or ANSI standards.

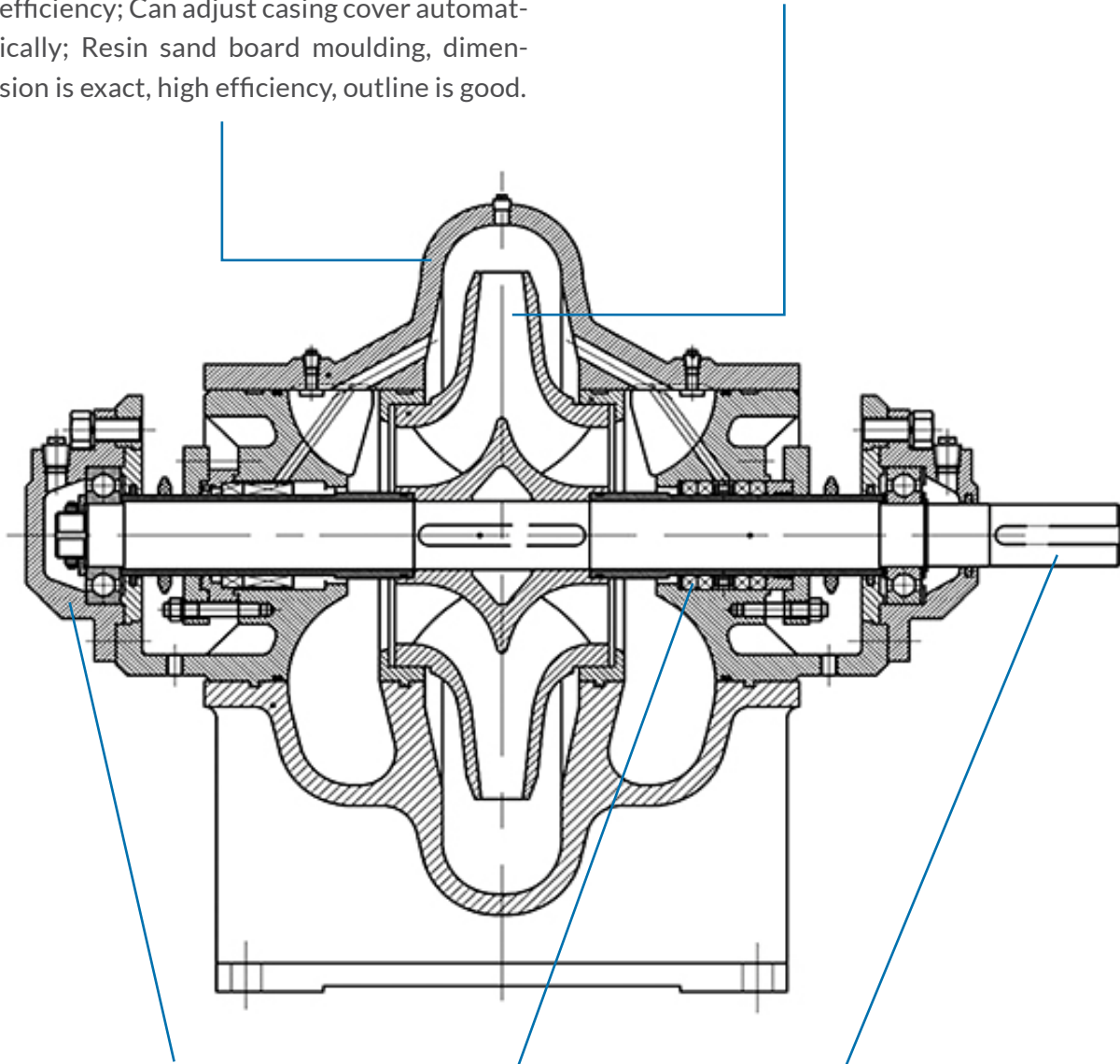
	STANDARD BRONZE FITTED	STANDARD CAST IRON FITTED	STAINLESS STEEL CONSTRUCTION
Casing	Cast Iron	Cast Iron	304/316 SS
Impeller	Bronze	Cast Iron	304/316 SS
Shaft	420SS	420SS	304/316 SS
Shaft Seal	Single Unloaded Mech Seal		

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.



BEARING HOUSING AND BEARING

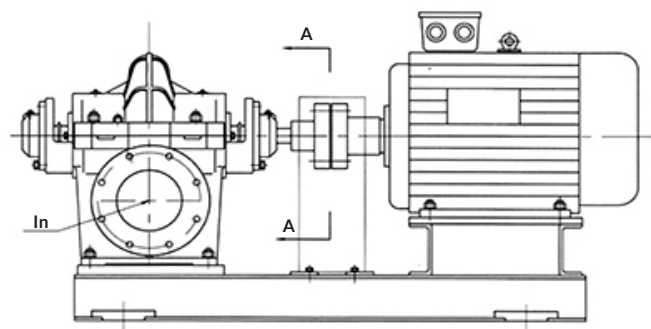
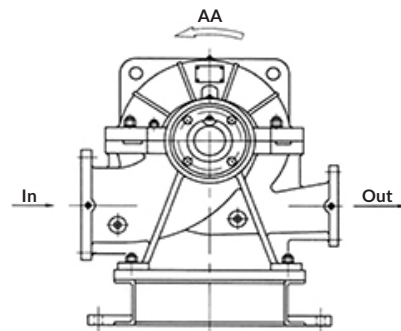
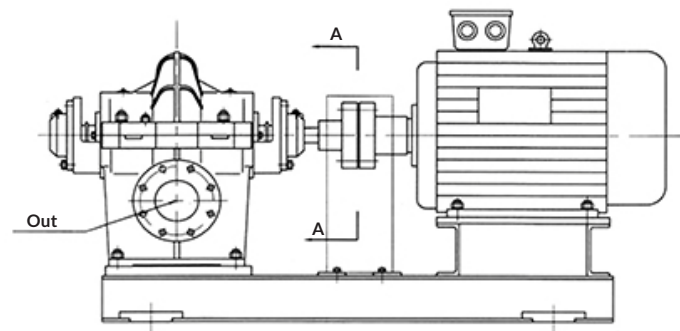
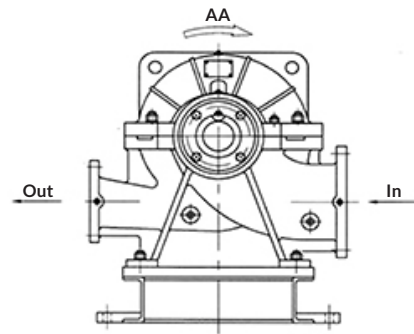
Dismantling is convenient, has enough space to maintain and repair; Casing, casing cover, seal chamber and bearing body are of integrated mass, good appearance.

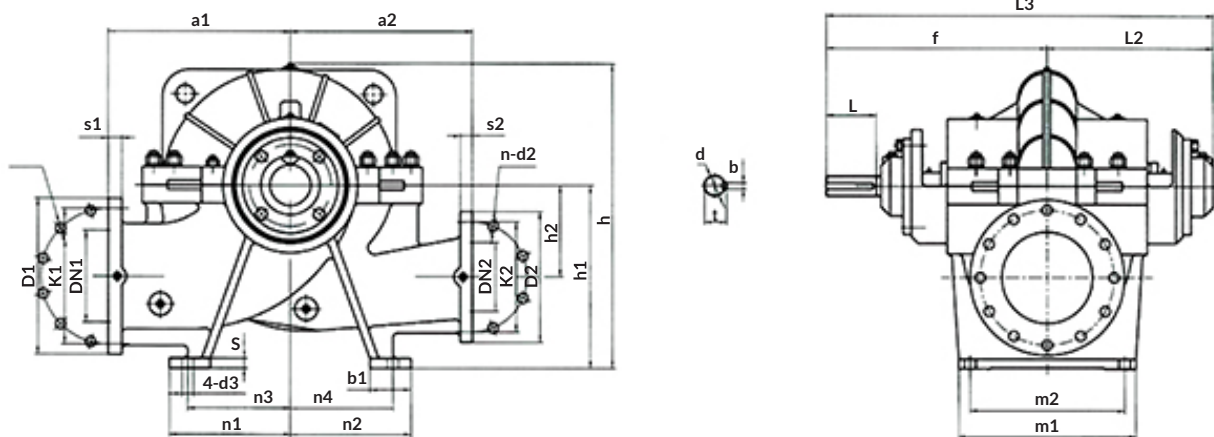
SEALING SYSTEM

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.

SHAFT

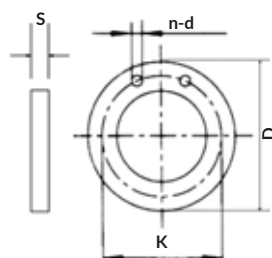
Shorten the shaft distance between bearings to lengthen the life of bearing and mechanical seals; Fully sealed, don't contact to medium, no erosion; Needn't adjust when assemble; Serial design, high interchangeability.



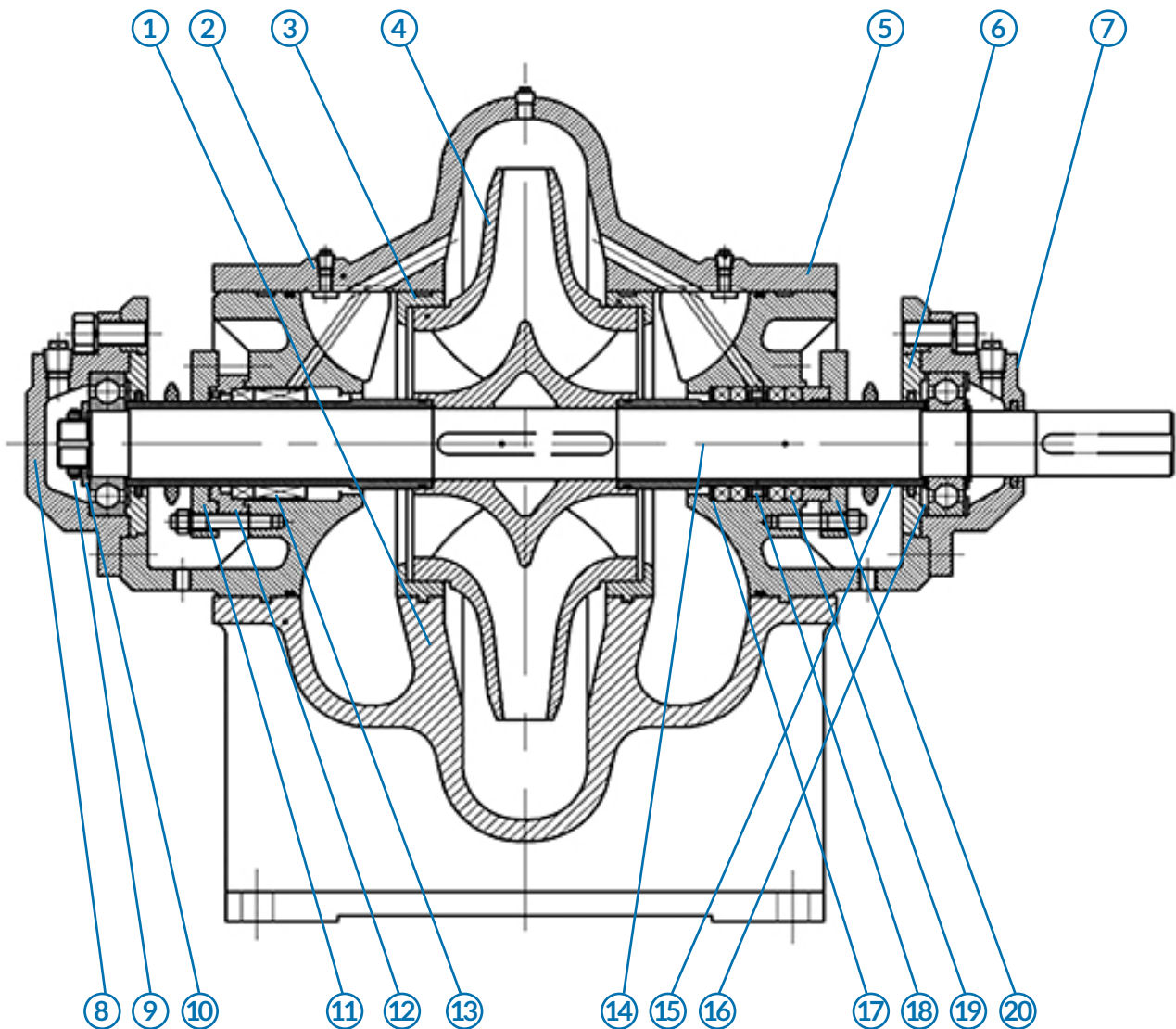


PUMP DIMENSION

MODEL													FOOT						
	DN1	DN2	a1	a2	f	L2	L3	h	h1	h2	m1	m2	n1	n2	n3	n4	b1	d3	s
PS 65 x 50 - 242	65	50	216	216	305	237	542	345	178	89	222	178	152.5	152.5	130	130	60	ø19	16
PS 65 x 50 - 340	65	50	254	254	305	237	542	433	216	127	222	178	152.5	152.5	130	130	60	ø19	16
PS 125 x 80 - 210	125	80	300	300	385	300	685	490	315	140	320	270	205	205	170	170	80	ø25	22
PS 125 x 80 - 270	125	80	300	300	385	300	685	528	315	140	320	270	205	205	170	170	80	ø25	22
PS 125 x 80 - 370	125	80	330	330	385	300	685	558	315	140	320	270	205	235	170	170	75	ø25	22
PS 150 x 100 - 250	150	100	330	330	385	300	685	570	355	170	320	270	235	235	200	200	80	ø25	22
PS 150 x 100 - 310	150	100	330	330	385	300	685	605	355	170	320	270	235	235	200	200	80	ø25	22
PS 150 x 100 - 375	150	100	370	370	385	300	685	620	355	170	320	270	235	235	200	200	75	ø25	22
PS 150 x 100 - 310G	150	100	330	330	385	320	705	605	355	170	320	270	235	235	200	200	80	ø25	22
PS 150 x 100 - 375G	150	100	370	370	385	320	705	620	355	170	320	270	235	235	200	200	75	ø25	22
PS 200 x 125 - 230	200	125	370	370	485	365	850	620	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 125 - 290	200	125	370	370	485	365	850	635	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 125 - 365	200	125	370	370	485	365	850	665	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 125 - 290G	200	125	370	370	485	390	875	635	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 125 - 365G	200	125	370	370	485	390	875	665	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 125 - 500	200	125	450	450	485	365	850	720	400	200	390	340	320	320	280	280	85	ø25	26
PS 200 x 150 - 290	200	150	400	400	485	365	850	660	400	210	390	340	265	265	225	225	90	ø25	22
PS 200 x 150 - 290G	200	150	400	400	485	390	875	660	400	210	390	340	265	265	225	225	90	ø25	22
PS 200 x 150 - 360	200	150	400	400	485	365	850	670	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 150 - 360G	200	150	400	400	485	387	872	670	400	200	390	340	265	265	225	225	90	ø25	22
PS 200 x 150 - 460	200	150	450	450	540	420	960	710	400	200	480	430	315	315	280	280	75	ø25	25
PS 200 x 150 - 605	200	150	600	500	540	420	960	885	500	500	480	430	390	390	350	350	95	ø30	35
PS 250 x 200 - 250	250	200	450	450	540	420	960	793	500	240	480	430	315	315	280	280	85	ø25	25
PS 250 x 200 - 320	250	200	450	450	540	420	960	805	500	240	480	430	315	315	280	280	85	ø25	25
PS 250 x 200 - 420	250	200	500	500	540	420	960	830	500	240	480	430	330	330	280	280	100	ø25	25
PS 250 x 200 - 520	250	200	600	500	629	479	1108	925	560	300	490	430	400	400	350	350	100	ø28	28
PS 250 x 200 - 670	250	200	650	550	629	479	1108	1055	600	350	500	400	400	400	350	350	100	ø30	35
PS 300 x 250 - 280	300	250	500	500	629	479	1108	955	600	300	480	400	400	400	350	350	100	ø30	28
PS 300 x 250 - 370	300	250	500	500	629	479	1108	975	600	300	480	400	400	400	350	350	100	ø30	28
PS 300 x 250 - 480	300	250	550	550	695	515	1210	985	600	330	600	520	400	400	350	350	100	ø30	32
PS 300 x 250 - 600	300	250	650	550	695	515	1210	1060	630	350	600	520	400	400	350	350	110	ø30	35
PS 350 x 300 - 300	350	300	550	500	629	479	1108	1010	630	300	500	400	400	400	350	350	100	ø30	30
PS 400 x 300 - 435	400	300	650	550	695	515	1210	1072	670	333	600	520	400	400	350	350	100	ø30	32
PS 400 x 300 - 560	400	300	700	650	785	605	1390	1140	710	350	620	520	525	525	475	475	100	ø30	35
PS 400 x 300 - 700	400	300	750	650	785	605	1390	1255	750	400	620	520	530	530	475	475	120	ø30	16
PS 400 x 350 - 360	400	350	650	550	695	515	1210	1100	670	350	600	520	400	400	350	350	100	ø30	32
PS 450 x 350 - 430	450	350	750	650	785	605	1390	1200	750	400	600	520	530	530	475	475	120	ø30	35
PS 400 x 350 - 510	400	350	700	650	785	605	1390	1200	750	400	620	520	525	525	475	475	110	ø30	40
PS 400 x 350 - 575	400	350	750	750	853	667	1520	1400	900	420	780	630	560	560	485	485	150	ø35	35



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	160	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	8x17.5	8x17.5	8x17.5	8x22	12x22	12x26	12x26	16x26	16x30	20x33	20x36	24x36

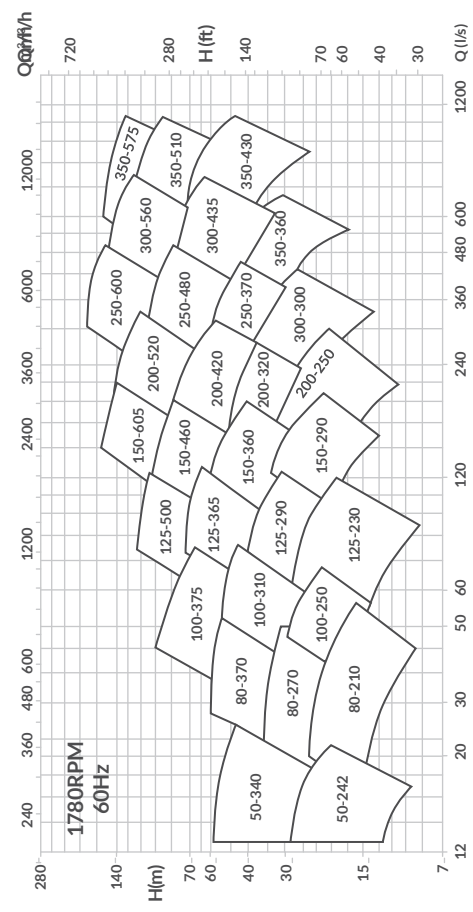
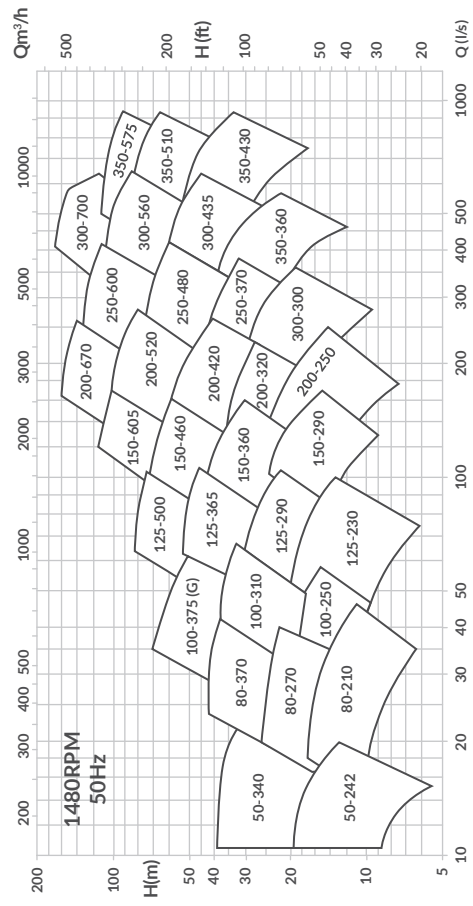
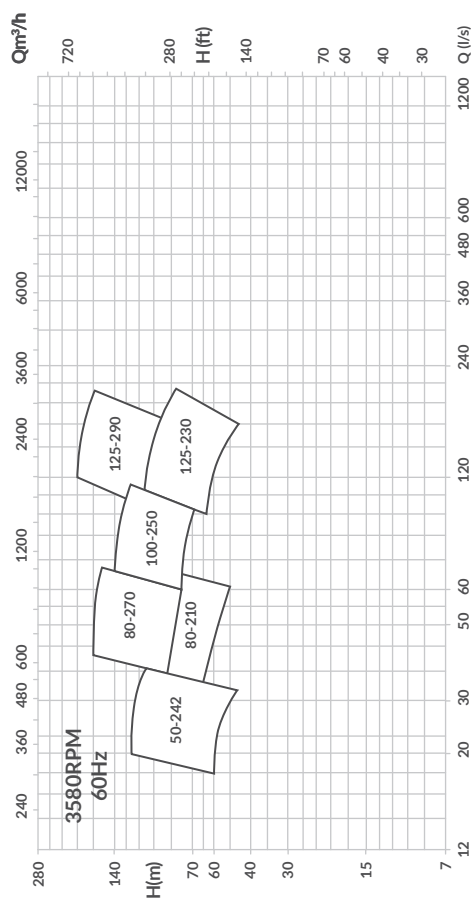
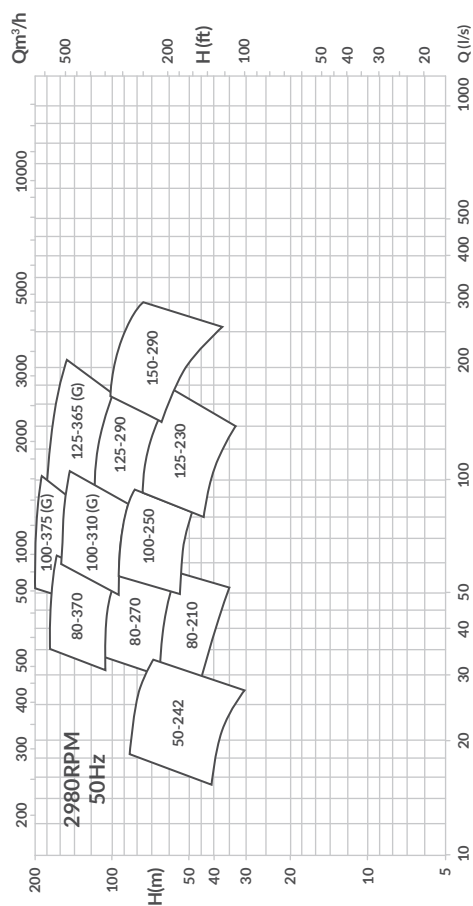


NO. SPARE PART

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 Baffle

NO. SPARE PART

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





PARAGON PUMP (ASIA) PTE LTD

30 Kallang Pudding Road #06-02

Valiant Industrial Building, Singapore 349312

Tel : 6841 2818 Website: www.paragonpumpasia.com