

ISO Standard Process Pumps



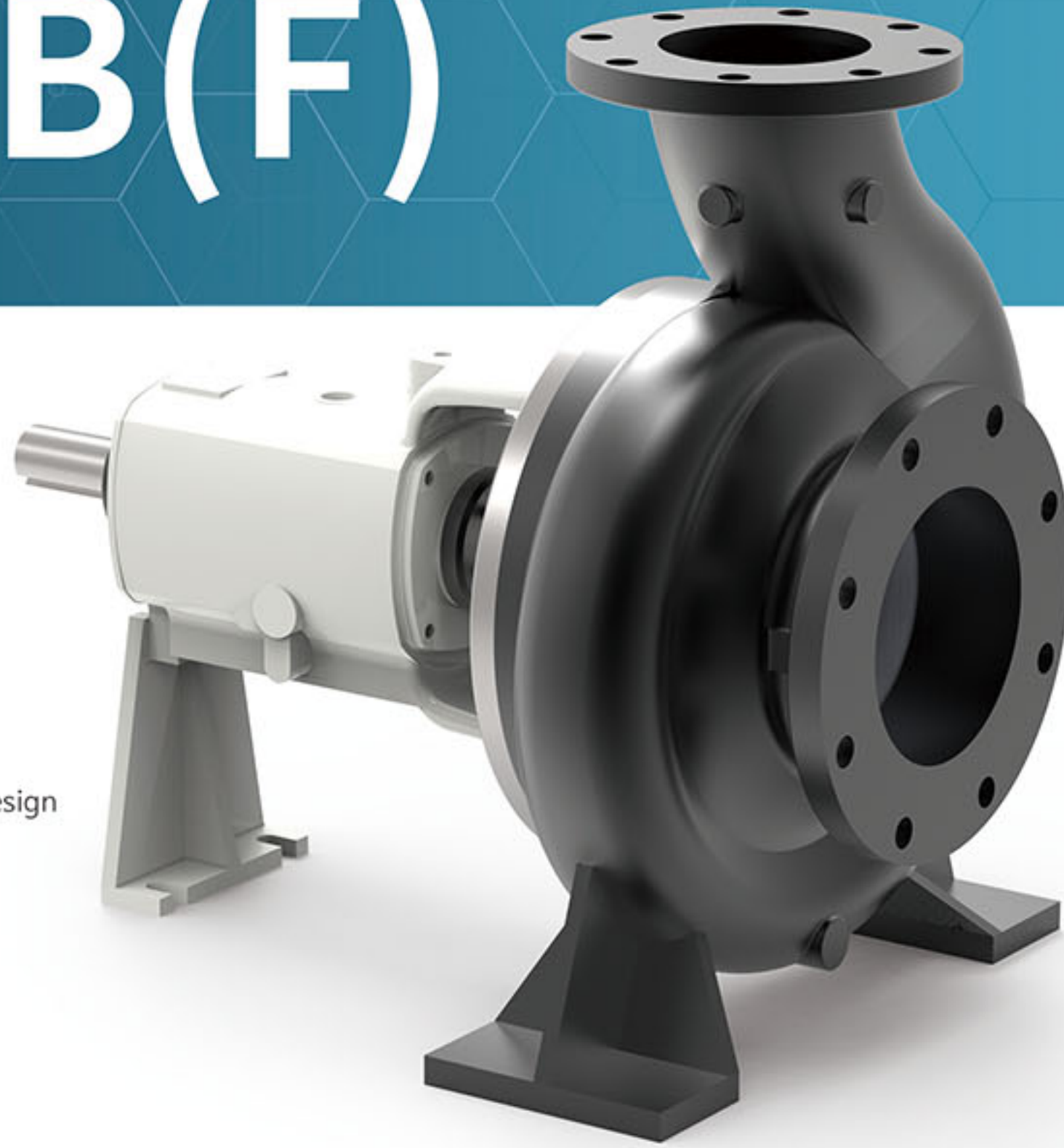
# IS/ISB(F)

● Applications

- Chemical industry
- Petroleum refinery
- Petrochemical industry
- Other various industries

● Feature

- ☑ Foot support and back pull-out design
- ☑ Heavy and sturdy construction
- ☑ Compliance with ISO 2858
- ☑ High interchangeability
- ☑ Low 'NPSHr'
- ☑ Good efficiency
- ☑ Completely standardization for wide application



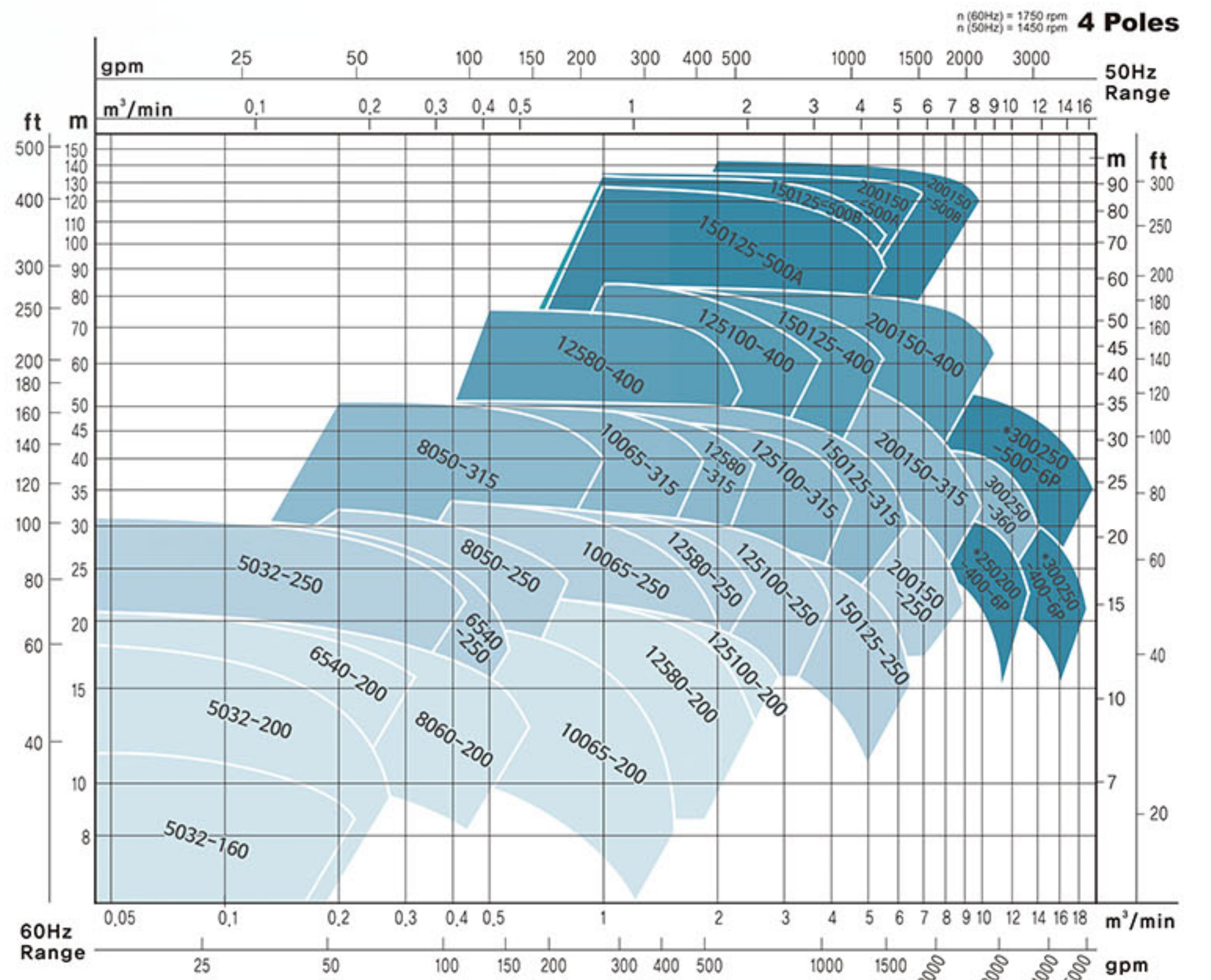
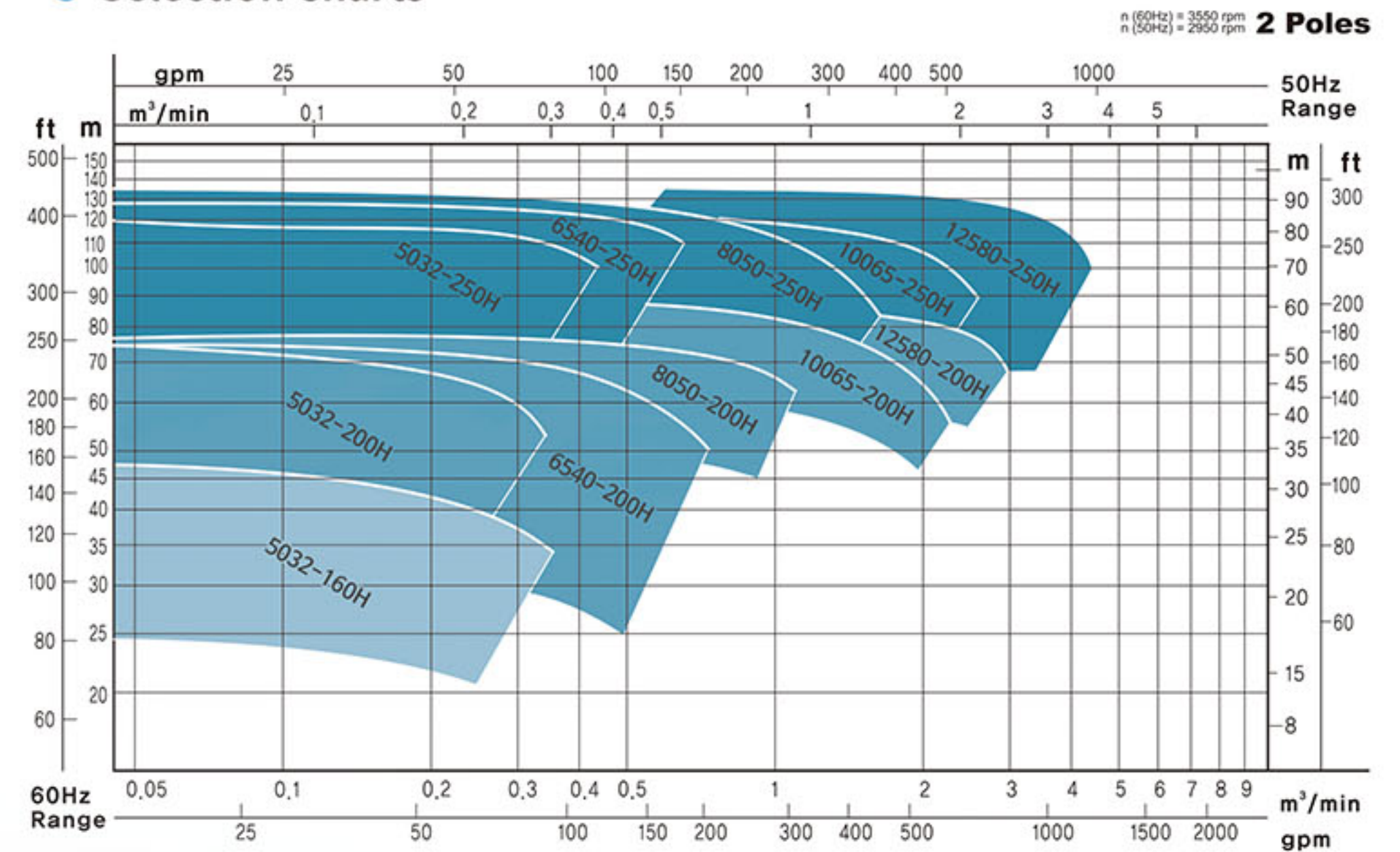
● Ratings

Capacity	Up to 50 m <sup>3</sup> /min (13,209 US GPM)
Head	Up to 140 m (460 ft)
Discharge Pressure	Up to 16 kgf/cm <sup>2</sup> (227 PSIG)
Allowable Suction Pressure	Up to 9 kgf/cm <sup>2</sup> (128 PSIG)
Revolution 60Hz (50Hz)	1750 OR 3550 min <sup>-1</sup> (1450 or 2950 min <sup>-1</sup> )
Rotation	Clockwise viewed from coupling end
Stainless Steel Temp.	-50°C ~ 177°C (-58°F ~ 350°F)
Cast Iron Temp.	-20°C ~ 150°C (-4°F ~ 302°F)
Nozzle-Raing	Steel : ANSI CLASS150, Iron : ANSI CLASS150
Nozzle-Facing	Steel : RF Iron : FF
Nozzle-Location	End Suction : Top Discharge
Seals	Conventional Packing or Mechanical Seal

● IS Type Model.



● Selection Charts

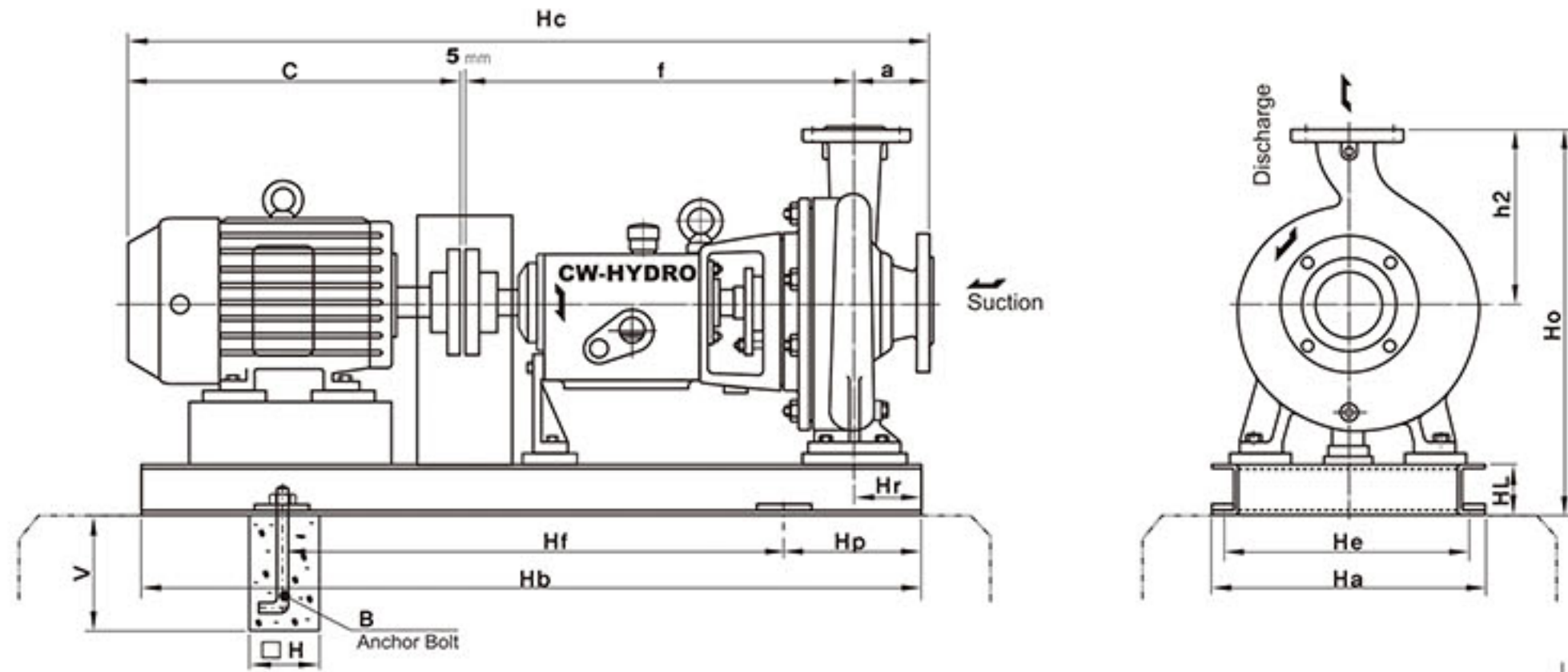


Note: \*. Performance ranges shown on these charts are preliminary selection only.

● 6 Poles Models



● Installation Dimension

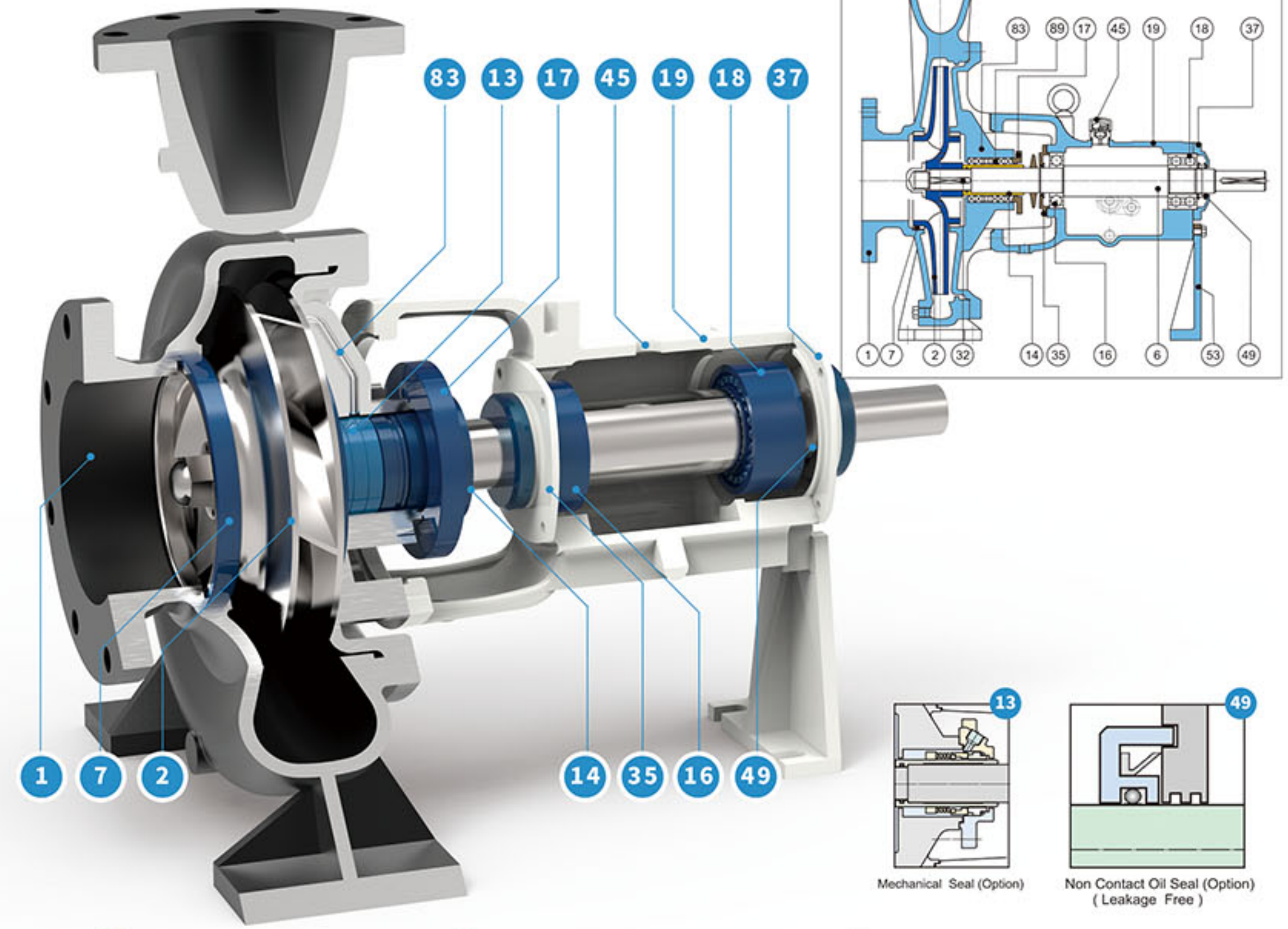


Unit : mm (inch)

Model Size	Power			Baseplate Size											Anchor Bolts			weight (Kg) (Lbs)			
	Frame	Kw	HP	a	f	h2	Hc	C	Hp	Hf	Hb	Hr	He	Ha	HL	Ho	B	H	V	Pump	Total
50 32-160	90	1.5	2	80	385	160	807	337	130	490	750	70	290	320	75	382	4-M12x200L	120	200	36	95
50 32-200	90	1.5	2	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	40	108
50 32-250	132S	5.5	7.5	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	68	176
65 40-200	100L	2.2	3	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	49	117
65 40-250	132S	5.5	7.5	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	72	176
80 50-200	112M	3.7	5	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	58	133
80 50-250	132M	7.5	10	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	75	217
80 50-315	160L	15	20	125	280	1262	632	195	760	1150	1000	85	320	350	75	495	4-M16x250L	150	250	90	321
100 65-200	132S	5.5	7.5	100	500	225	1047	442	160	630	950	85	320	350	75	495	4-M12x200L	120	200	70	201
100 65-250	160L	15	20	125	280	1262	632	195	760	1150	1000	85	320	350	75	495	4-M16x250L	150	250	79	293
100 65-315	180M	22	30	140	530	280	1307	647	205	790	1200	100	390	430	100	570	4-M16x250L	150	250	119	375
125 65-200	160M	11	15	100	500	250	1218	588	190	720	1100	85	340	380	75	550	4-M12x200L	120	200	85	264
125 80-250	160L	15	20	125	280	1262	632	195	760	1150	1000	85	320	350	75	495	4-M12x200L	120	200	95	332
125 80-315	180L	30	40	140	530	315	1366	706	205	790	1200	100	390	430	100	570	4-M16x250L	150	250	120	428
125 80-400	200L	45	60	160	670	355	1591	791	250	950	1450	100	430	480	125	780	4-M20x315L	180	315	130	567
125 100-200	160M	11	15	100	500	250	1218	588	190	720	1100	85	340	380	75	550	4-M16x250L	150	250	100	305
125 100-250	180M	19	25	140	530	280	1322	647	205	790	1200	100	390	430	100	570	4-M16x250L	150	250	110	378
125 100-315	200L	45	60	160	670	315	1466	791	220	860	1300	100	440	480	125	780	4-M20x315L	180	315	135	533
125 100-400	225S	55	75	180	670	355	1630	815	255	990	1500	120	480	530	125	780	4-M20x315L	180	315	160	660
150 125-250	180L	30	40	140	530	355	1381	706	210	830	1250	100	390	430	100	725	4-M16x250L	150	250	145	443
150 125-315	225S	55	75	180	670	355	1490	815	230	890	1350	120	490	530	125	780	4-M16x250L	150	250	155	650
150 125-400	250S	75	100	200	820	400	1759	939	265	1020	1550	120	480	530	125	780	4-M20x315L	180	315	195	845
150 125-500A	280M	132	175	200	820	450	1923	1068	280	1090	1650	120	480	530	125	780	4-M20x315L	180	315	265	1310
150 125-500B	280M	132	175	200	820	450	1923	1068	280	1090	1650	120	480	530	125	780	4-M20x315L	180	315	265	1310
200 150-250	225S	55	75	180	670	375	1510	815	230	890	1350	120	490	530	125	780	4-M16x250L	150	250	235	720
200 150-315	250M	90	120	200	820	400	1774	939	265	1020	1550	120	480	530	125	780	4-M20x315L	180	315	245	1010
200 150-400	280M	132	175	200	820	450	1923	1068	280	1090	1650	120	480	530	125	780	4-M20x315L	180	315	265	1270
200 150-500A	315L	180	240	200	820	560	2465	1290	360	1430	2250	170	750	810	200	1215	6-M24x400L	230	400	315	2640
200 150-500B	355L	315	420	200	820	560	2632	1430	360	1430	2400	170	750	810	200	1215	6-M24x400L	230	400	315	2690
250 200-400	250S	75	100	200	820	560	1964	939	290	1120	1700	160	600	660	150	1120	4-M20x315L	180	315	310	1160
300 250-360	280S	110	150	230	855	520	2158	1068	315	1220	1850	155	750	810	120	1088	4-M20x315L	180	315	485	1540
300 250-400	250M	90	120	200	830	600	1974	939	305	1190	1800	180	830	890	120	1220	4-M20x315L	180	315	594	1524
300 250-500	280L	160	220	230	855	520	2158	1068	315	1220	1850	155	750	810	120	1088	4-M24x400L	230	400	602	1937

● ISF / ISBF Models : Above 400 mm(15.75 in) of Impeller Diameter.  
\* Dimension and frame for motors differ from motor manufacturers in some cases.

● Parts List and Materials



- 1 Casing
- 2 Impeller
- 6 Shaft
- 7 Casing Ring
- 13 Packing
- 14 Sleeve
- 16 Inboard Bearing
- 17 Packing Grand
- 18 Outboard Bearing
- 19 Frame
- 35 Inboard Bearing Cover
- 37 Outboard Bearing Cover
- 45 Oil Cap (Leakage free air vent)
- 49 Oil Seal
- 83 Stuffing Box

Material Code : **Standard**

Name of Parts	MATERIALS								
	IS(F)			ISB(F)					
	KS	JIS	ASTM	KS	JIS	ASTM	KS	JIS	ASTM
1 Casing	GC200	FC20	A 48 CL30	SSC13	SCS13	A743-CF8	SSC14	SCS14	A743-CF8M
2 Impeller	GC200	FC20	A 48 CL30	SSC13	SCS13	A743-CF8	SSC14	SCS14	A743-CF8M
6 Shaft	SM45C	S45C	A576 1045	STS304	SUS304	A276 304	STS316	SUS316	A276 316
7 Casing Ring	BC6	BC6	B584 C836	SSC13	SUS13	A743-CF8	STS14	SUS14	A743-CF8M
14 Sleeve	BC6	BC6	B584 C836	STS304	SUS304	A276 304	STS316	SUS316	A276 316
83 Stuffing Box	GC200	FC20	A 48 CL30	SSC13	SCS13	A743-CF8	SSC14	SCS14	A743-CF8M

Optional Material Code

- API Material class code.  
- Other materials are available on request. ( DCI, SC, 12Cr., SS316L, SCM, A20, Hcr, CD4MCU, etc )