

SAP ANSI B 73.1M STANDARD PROCESS PUMP



APPLICATIONS

- Industrial Process
- Petrochemical Industry
- Chemical Process
- Petroleum refineries

MATERIAL

- Cast Iron
- Stainless Steel (304, 316, 316L)
- Carbon Steel
- Duplex, Super Duplex

STANDARD SPECIFICATION

- Capacity : Max. 1000 m³/hr
- Total Head : Max. 200 mH
- Temperature : Max. 150°C
- Impeller type : Open (special : reverse-yane)
- Bore : 25Φ ~250Φ
- Rotaion : CW (View from drive end)

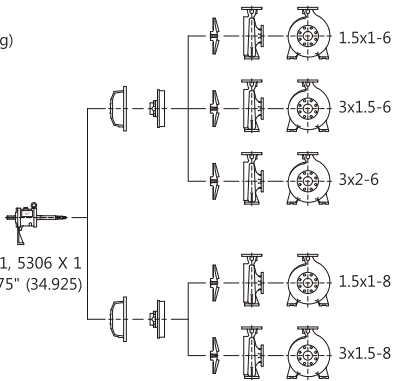
FEATURES

- Full compliance with ANSI B73.1M standard
- High efficiency over a wide range
- Heavy Duty Design
- low NPSHre with Open impeller
- Easy assembly with BACK PULL-OUT structure

INTERCHANGEABILITY CHART

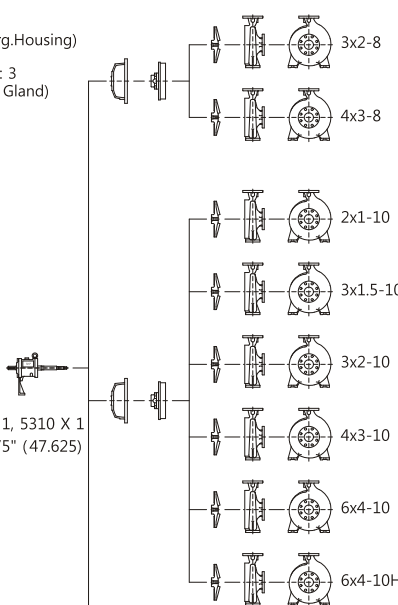
I-GROUP

- POWER END : 1
(Shaft, Sleeve, Brg.Housing)
- ADAPTER : 2
- CASING COVER : 2
(Seal & Packing, Gland)



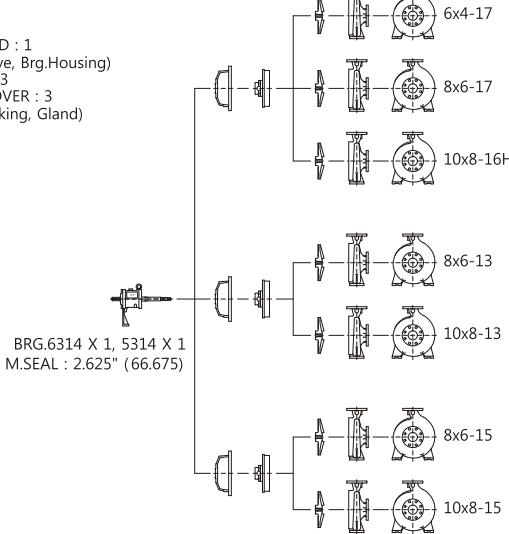
II-GROUP

- POWER END : 1
(Shaft, Sleeve, Brg.Housing)
- ADAPTER : 3
- CASING COVER : 3
(Seal & Packing, Gland)



III-GROUP

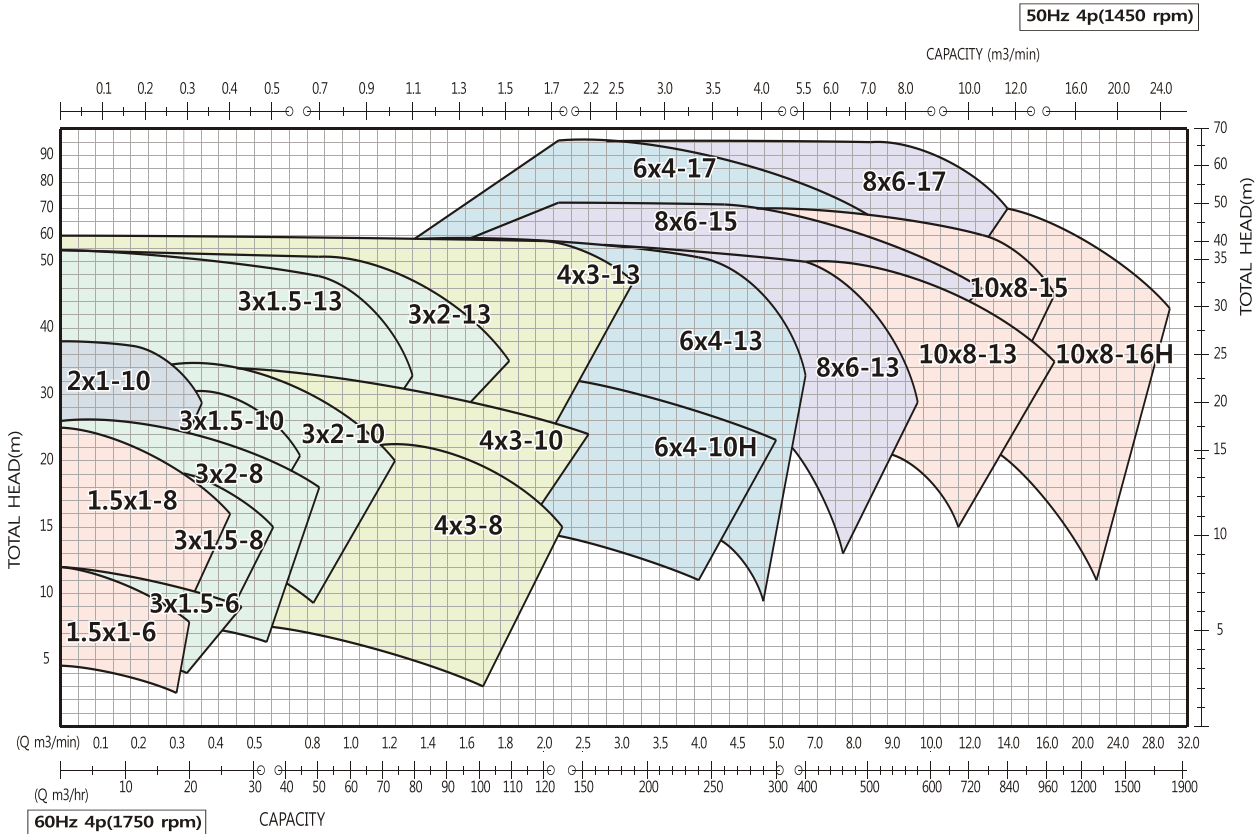
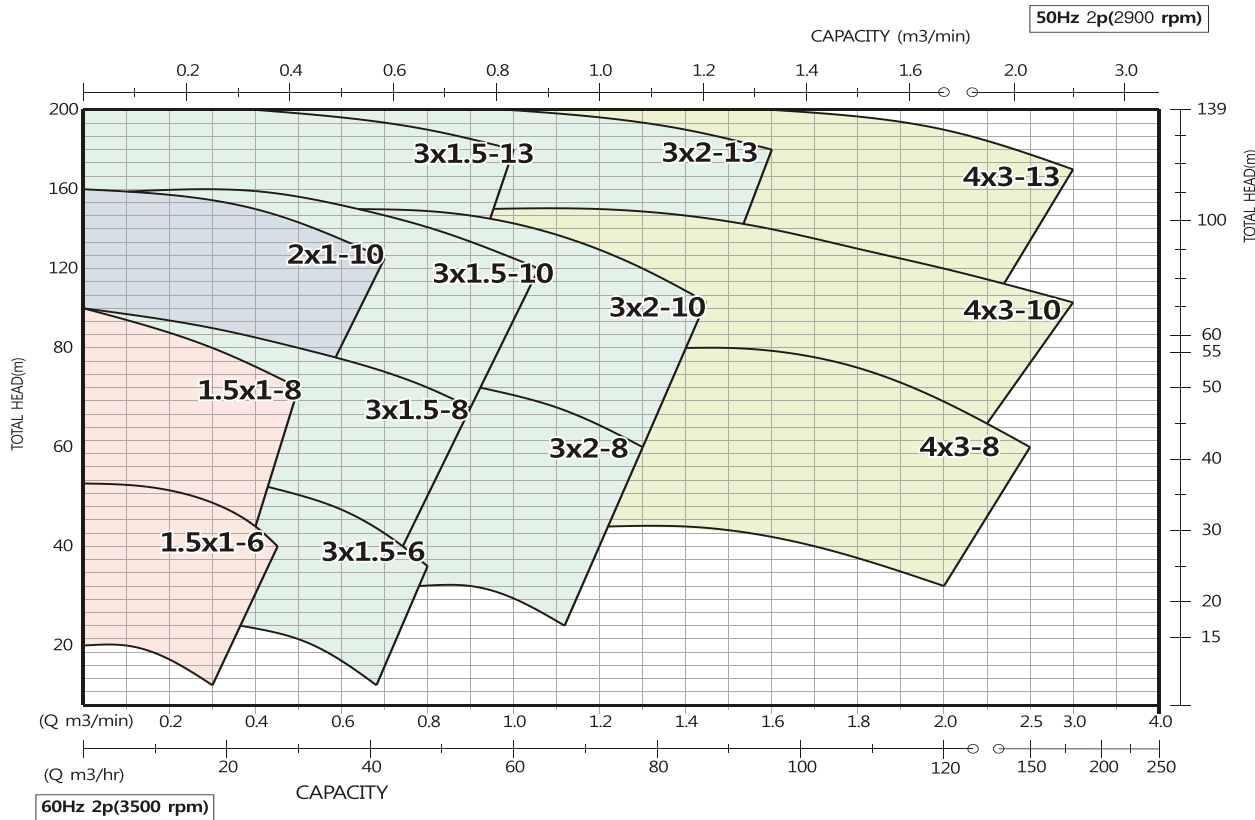
- POWER END : 1
(Shaft, Sleeve, Brg.Housing)
- ADAPTER : 3
- CASING COVER : 3
(Seal & Packing, Gland)



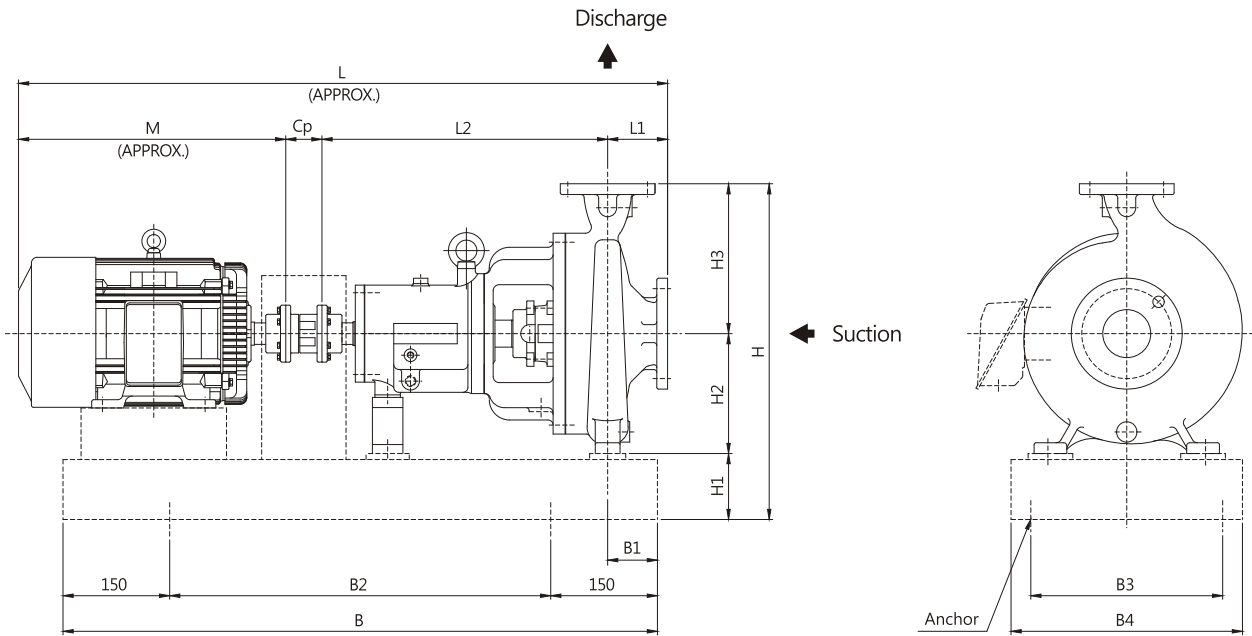
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SELECTION CHART

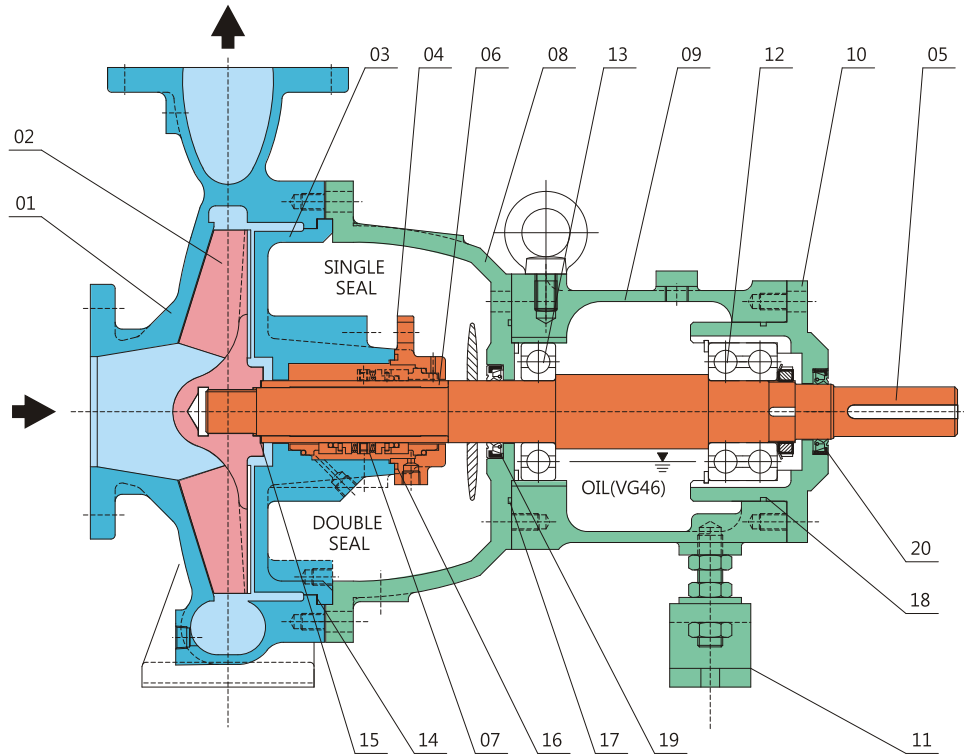


OUTLINE DIMENSION



MODEL	MODEL		MOTOR (KW)	PUMP & MOTOR									BED							WEIGHT(kg)		
	SUC.	DIS.		M	L1	L2	L	CP	H	H	H2	H3	B	B1	B2	B3	B4	Anch.	PUMP	BED	MOTOR	
1.5x1-6	40	25	1.5	320	102	343	854	89	383	85	133	165	800	70	500	230	260	4-Φ15	40	26	20	
1.5x1-8	40	25	2.2	368	102	343	902	89	418	120	133	165	800	70	500	230	260	4-Φ15	45	28	38	
3x1.5-6	80	40	2.2	368	102	343	902	89	383	85	133	165	800	70	500	230	260	4-Φ15	45	27	38	
3x1.5-8	80	40	3.7	382	102	343	916	89	418	120	133	165	800	70	500	230	260	4-Φ15	50	28	42	
2x1-10	50	25	5.5	459	102	495	1145	89	511	85	210	216	1100	85	800	300	330	4-Φ19	90	35	67	
3x1.5-10	80	40	7.5	497	102	495	1183	89	511	85	210	216	1100	85	800	300	330	4-Φ19	100	37	70	
3x1.5-13	80	40	15	640	102	495	1326	89	631	110	254	267	1200	85	900	310	350	4-Φ19	110	55	135	
3x2-8	80	50	5.5	459	102	495	1145	89	537	85	210	242	1100	85	800	300	330	4-Φ19	90	35	67	
3x2-10	80	50	15	640	102	495	1326	89	562	110	210	242	1200	85	900	310	350	4-Φ19	110	51	135	
3x2-13	80	50	22	659	102	495	1345	89	656	110	254	292	1200	85	900	360	400	4-Φ19	125	56	177	
4x3-8	100	80	11	596	102	495	1282	89	600	110	210	280	1200	85	900	310	350	4-Φ19	100	50	117	
4x3-10	100	80	15	640	102	495	1326	89	600	110	210	280	1200	85	900	310	350	4-Φ19	120	51	135	
4x3-13	100	80	30	697	102	495	1383	89	682	110	254	318	1300	85	1000	360	400	4-Φ19	150	58	181	
6x4-10H	150	100	30	659	102	495	1367	111	707	110	254	343	1300	85	1000	360	400	4-Φ19	135	59	181	
6x4-13	150	100	45	851	102	495	1559	111	737	140	254	343	1400	85	1100	400	450	4-Φ19	180	84	297	
6x4-17	150	100	55	854	152	708	1866	152	914	140	368	406	1700	100	1400	500	550	6-Φ23	300	110	380	
8x6-13	200	150	45	801	152	708	1813	152	914	140	368	406	1600	100	1300	500	550	6-Φ23	250	110	260	
8x6-15	200	150	45	801	152	708	1813	152	965	140	368	457	1700	100	1400	500	550	6-Φ23	310	115	260	
8x6-17	200	150	75	957	152	708	1969	152	965	140	368	457	1700	100	1400	500	550	6-Φ23	330	115	500	
10x8-13	200	200	55	854	152	708	1892	178	965	140	368	457	1700	100	1400	500	550	6-Φ23	300	111	380	
10x8-15	250	200	75	957	152	708	1995	178	1021	170	368	483	1700	100	1400	500	550	6-Φ23	330	115	500	
10x8-16H	250	200	110	1102	152	724	2156	178	1122	170	406	546	1900	100	1600	650	700	6-Φ23	430	170	730	

SELECTION DRAWING



No.	PART NAME	Q'ty	MATERIAL					
			Casr Iron	SS 304	SS316(L)	ALLOY	HASTELLOY	TITANIUM
1	CASING	1	GCD450	SSC13	SSC14 (16)	ALLOY-20	HASTELLOY-C(B)	TITANIUM
2	IMPELLER	1	GC200	SSC13	SSC14 (16)	ALLOY-20	HASTELLOY-C(B)	TITANIUM
2-1	IMPELLER NUT	1	STS304	STS304	STS304	ALLOY-20	HASTELLOY-C(B)	TITANIUM
3	C-COVER	1	GC200	SSC13	SSC14 (16)	ALLOY-20	HASTELLOY-C(B)	TITANIUM
4	SEAL GRAND	1	GC200	SSC13	SSC14 (16)	ALLOY-20	HASTELLOY-C(B)	TITANIUM
5	SHAFT	1	SM45C	STS304	STS316(L)	STS316(L)	STS316(L)	STS316(L)
6	SLEEVE	1	STS304	STS304	STS316(L)	ALLOY-20	HASTELLOY-C(B)	TITANIUM
	O-RING(접액부)	1	NBR	VITON				
7	M./SEAL	1						
8	ADAPTER	1	GC200					
9	BRG.HOUSING	1	GC200					
10	BRG.COVER	1	GC200					
11	SUPPORT	1	GC200					
12	BEARING(T)	1 St	STB2					
13	BEARING(R)	1	STB2					