

PUMPS

KEUMDUK



PRODUCT & SERVICE GUIDE



KEUMDUK
PUMP INDUSTRIAL



KEUMDUK PUMP INDUSTRIAL

COMPANY HISTORY

1998

- 08 • Founded (Banghwadong, Gangseo-gu, Seoul)
- 09 • Registered Hyundai Mobis Co., Ltd.
Hynix Semiconductor / Daewoo E&C

2000

- 01 • Incorporated Keumduk Pump Industrial co.,Ltd
- 05 • Registered Hyundai Heavy Industries

2002

- 01 • Commendation of excellent agency from
Keum-Jung Industry Co., Ltd.
- 10 • Expansion and transfer of office building to
Banghwa 3-dong, Gangseo-gu

2007

- 01 • Remove to Bucheon Si Wonmi-gu, Gyeonggi-Do
- 06 • Took over of Keum-Jung Industry A/S Distributor
- 07 • Registered Hyundai Engineering Co., Ltd. /
Hyundai Engineering & Construction Co., Ltd. /
Hanwha Construction Co., Ltd.

2008

- 03 • Registered SK E&C / GS E&C
• Registered SK Energy Co., Ltd.

2009

- 01 • Commendation of excellent agency from
Keum-Jung Industry Co., Ltd.

2010

- 05 • Grundfos Korea agent registration

2011

- 05 • Completion GIMPO Factory,
Land centrifugal pump planning and production
- 10 • Acquired R & D Department Certificate
• Acquired ISO9001 Quality System Certificate
- 11 • Moved headquarters
(Tongjin-eup, Gimpo-si, Gyeonggi-do)



2012

- 11 • Registered SK Innovation Co., Ltd.
- 12 • The Korea Chamber of Commerce & Industry award

2013

- 01 • Registered KOREA SOUTH-EAST POWER CO.
 - Acquired GL Certificate (Germanischer Lloyd) (High-Ballast Pump)
- 04 • Registered KOREA SOUTHERN POWER CO.
 - Registered KOREA WESTERN POWER CO.
- 05 • Acquired CE Certificate (Communaute Europeenne)[KDW, KVS]

2014

- 07 • Acquired CE Certificate (Communaute Europeenne)[KAP8x6-13]
- 10 • Expanded Factory
 - Expanded Test Site and Set up Painting Booth
 - Started Construction of new Dormitory

2015

- 04 • Completed construction of Gimpo factory
- 09 • Received Korea Management Innovation Grand Prize 2015
 - Acquired a risk assessment certificate
 - Received Citation by the member of the National Assembly
- 12 • Export tower of 5 million dollars Award
 - Received Prize by Minister of Industry & Commerce
 - Received Prize by President of Korea International Trade Association
 - Gyeonggi Small and Medium Business Administration Award
 - Received Grand Prize of Gimpo Small & Medium Business
 - Acquired OHSAS18001 Certificate, ISO14001 Certificate

2016

- 01 • Acquired CE Certificate (6 Pump, 5 LCP)
- 02 • Acquired Manufacturing certificate
 - Acquired PPS Participation Certificate
 - Registered as a member of KITA
 - Joined Korea Pump Industry Cooperative
- 06 • Selected as an Excellent Job Creation Company in Gyeonggi-do
- 07 • Acquired CE Certificate(4type of LCP)
- 10 • Selected as an Promising Small and Medium Enterprise in Gyeonggi-do

KEUMDUK PUMP CONTENTS

PUMP TYPE	MODEL	APPLICATIONS	RATING	PAGE
	KAP	ANSI B 73.1M STANDARD PROCESS PUMP • Industrial Process • Chemical Process • Petrochemical Industry • Petroleum refineries	Capacity : Max.1000 m3/hr Total Head : Max.230mH	10 - 12p
	KIP	ISO5199/2858 STANDARD PROCESS PUMP • Industrial Process • Chemical Process • Water treatment & Drainage	Capacity : ~1200 m3/hr Total Head : ~150mH	13 - 14p
	KAPI	API610 STANDARD PROCESS PUMP • Petroleum Refinery • Petrochemical Industry • Other Chemical • High temperature and high pressure Service	Capacity : ~ 1500m3/hr Total Head : ~200m H	15 - 16p
	KDR	DOUBLE SUCTION CENTRIFUGAL PUMP • Industrial Process • Water delivery and irrigation • Cooling water supply • Circulation water	Capacity : ~10000 m3/hr Total Head : ~200mH	17 - 19p

PUMP TYPE	MODEL	APPLICATIONS	RATING	PAGE
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KDRV

**VERTICAL DOUBLE
SUCTION PUMP**

- General Industrial Application
- Cooling Water Supply
- Circulating Water
- Irrigation
- Water Supply and Industrial Application

Capacity : 350~3,200 m3/hr
Total Head : 15~90mH

20 - 21p



KMS

MULTI-STAGE PUMP

- Boiler feed water
- High Pressure Services
- Hydraulic Press Operation

Capacity : 3~500 m3/hr
Total Head : 32~150mH

22 - 23p



KMT

**HIGH PRESSURE
MULTI-STAGE TURBINE PUMP**

- Water Supply
- Industrial Water Supply
- Water Supply for Boiler
- Pressurization
- City Water Supply
- Firefighting

Capacity : 3~500 m3/hr
Total Head : 32~1000mH

24 - 25p



KVP
(Metal)

**VERTICAL SUMP
PROCESS PUMP**

- Industrial Process
- Chemical Process
- Water treatment and other industry
- Circulation pump for scrubber

Capacity : Max.600 m3/hr
Total Head : Max.80 mH

26 - 28p



KVMT

VERTICAL MULTI-STAGE PUMP

- Pipeline Boosting
- Refinery Blending
- Chemical Transfer
- Condensate

Capacity : 7.2~200m3/hr
Total Head : 11.5~250 mH

29p

**KVMF****VERTICAL MIXED-FLOW PUMP**

Capacity : 90~10,000m³/hr
Total Head : 3~130 mH

30p

- General Industrial
- Factory drainage
- Rainwater drainage
- Agriculture

**KVMC****VERTICAL CANNED PUMP**

Capacity : 7.2~200m³/hr
Total Head : 11.5~250 mH

31p

- Pipeline Boosting (Low NPSH)
- Refinery Blending
- Chemical Transfer
- Condensate

**KSP**
(Metal)**KSF**
(FRP)**SELF-PRIMING
PROCESS PUMP**

Capacity : Max.800 m³/hr
Total Head : Max.100 mH

32 - 33p

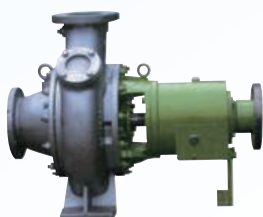
- Industrial Process
- Chemical Process
- Drainage and other various industries, etc

**KIL****IN-LINE PUMP**

Capacity : 5~900m³/hr
Total Head : 5~90 mH

34 - 35p

- Water Supply
- Heating, Cooling
- Industrial Processes

**KSW****NON-CLOG SCREW
CENTRIFUGAL PUMP**

- Sewage, wastewater treatment plant
- Pulp & Paper transportation
- High-density slurry transportation for various industries

Capacity : ~2000 m³/hr
Total Head : ~40mH

36 - 37p

**KWM
KMR
KWV
KWVR****NON-CLOG ABRASIVE
SLURRY PUMP**

- Thermoelectric Power Plant
- Picking up & sand & gravel
- Bottom Boiler Fly Ash
- Paper and Pulp

Capacity : Max. 600 m³/hr
Total Head : ~80mH

38p

**KFP****FRP
(Fiberglass Reinforced Plastics)
PROCESS PUMP**

- Industrial & Chemical Process
- Petrochemical Industry
- Transportation of various chemicals (HCl, NaOCl, HF, Seawater etc.)

Capacity : Max. 600 m³/hr
Total Head : Max. 60 mH

39 - 40p

**KVF
(FRP)****VERTICAL FRP SUMP
PROCESS PUMP**

- Industrial Process
- Chemical Process
- Water treatment and other industry
- Circulation pump for scrubber

Capacity : Max. 600 m³/hr
Total Head : Max. 80 mH

41 - 42p

SUBMERSIBLE PUMP CONTENTS

PUMP TYPE	MODEL	APPLICATIONS	RATING
	KDO KDBO	DRAIN PUMP FOR CIVIL ENGINEERING SITE • Construction site drainage / portable drainage • Emergency drainage / raw water intake	Capacity : ~ 8 m ³ /min Head : ~ 30m
	KDE KDH	HIGH HEAD PUMP FOR CIVIL ENGINEERING SITE • Construction site drainage / portable drainage • Emergency drainage / raw water intake	Capacity : ~ 3 m ³ /min Head : ~ 110m
	KDW KDW-S KDW-EX	WASTE WATER & EFFLUENT PUMP • Residential, commercial and industrial • Wastewater and sight drainage • S : sand delivery pump • EX : Explosion-proof (ATEX, Exd IIC T4)	Capacity : ~ 3 m ³ /min Head : ~ 50m"
	KDV KDSV KDV-EX KDSV-EX	SEWAGE AND WASTE WATER VORTEX PUMP • Transfer sludge at piggery farm • Transfer waste water from septic tank • EX : Explosion-proof (ATEX, Exd IIC T4)	Capacity : ~ 4 m ³ /min Head : ~ 30m
	KDAO	SAND AND GRAVEL PUMP • Sand delivery / Gravel and Sand • Transfer waste water from septic tank	Capacity : ~ 8 m ³ /min Head : ~ 35m

PUMP TYPE	MODEL	APPLICATIONS	RATING
	KDS KDS-EX	LARGE CAPACITY PUMP • Supply factory with industrial water • Fountain, decorative waterfall • EX : Explosion-proof (ATEX, Exd IIC T4)	Capacity : ~ 30 m ³ /min Head : ~ 50m
	KDG KDG-EX	GRINDER PUMP • Grinder type • Draining waste and waste water of a cattle shed and kitchen • Moving wastes and excretion • EX : Explosion-proof (ATEX, Exd IIC T4)	Capacity : ~ 1.2 m ³ /min Head : ~ 30m
	KDM KDM-EX	MIXER • Sewage, waste-water or drainage disposal plant : Sewage sediment and various liquid of piled object • EX : Explosion-proof (IECEX Exd IIC T4)	Max.tank vol(m ³) : 800 Max.Mixing Range(m) : 70
	KDPL	PROPELLER PUMP • Protection from flood, heavy rain • Drain large quantity for irrigation	Capacity : ~ 600 m ³ /min Head : ~ 10m
	KDWM	MIXED FLOW PUMP • Middle head, large water supply • Flood control measure • Industrial water for large capacity	Capacity : ~ 600 m ³ /min Head : ~ 25m
	KDSA	AQUARATOR • Air supply to the sewage & waste water treatment plant • Sludge holding and maintenance	Max.200kg02Hr Head : 35 m ³ /Hr-min

KAP

ANSI B 73.1M STANDARD PROCESS PUMP

APPLICATIONS

- Industrial Process
- Chemical Process
- Petrochemical Industry
- Petroleum Refineries

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex
- Special Alloy (Alloy - 20 Hastelloy, Titanium)



■ STANDARD SPECIFICATION

Capacity	Max. 1000 m3/hr
Total Head	Max. 230 mH
Temperature	Max. 150°C
Impeller Type	Open (Special : Revers-vane)
Bore	25A ~ 250A
Rotation	CW (View from drive end)

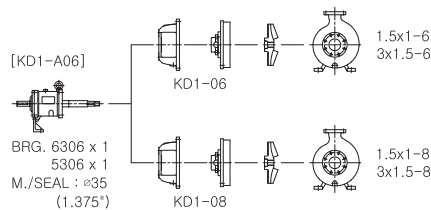
■ FEATURES

- Full Compliance with ANSI B73.1M standard
- High efficiency over a wide range
- Heavy Duty Design
- Low NPSHr with open impeller
- Easy assembly with BACK PULL-OUT structure

■ INTERCHANGEABILITY CHART

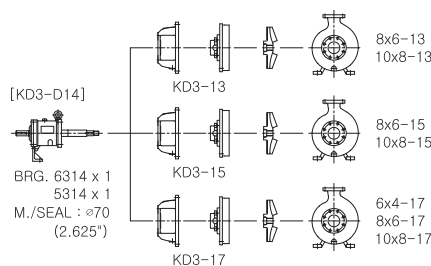
I-GROUP

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



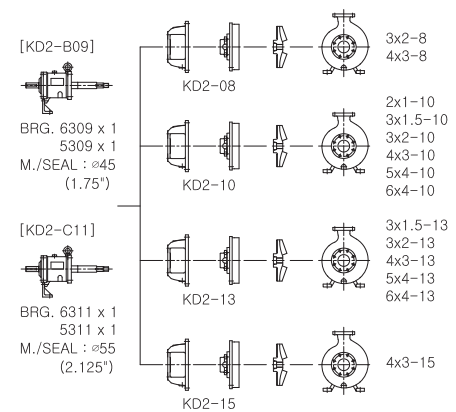
III-GROUP

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



II-GROUP

- ▶ POWER END : 2
(Shaft, Sleeve, Brg.Housing)
- ▶ ADAPTER : 4
- ▶ CASING COVER : 4
(Seal & Packing, Gland)



■ SPECIAL TYPE

LOW FLOW PUMP



- Use in the low capacity
- 1.5x1-6L
 - 2x1-10L
 - 3x1.5-13L

■ EXPELLER TYPE

STUFFING BOX COVER

REPELLER

REPELLER PLATE

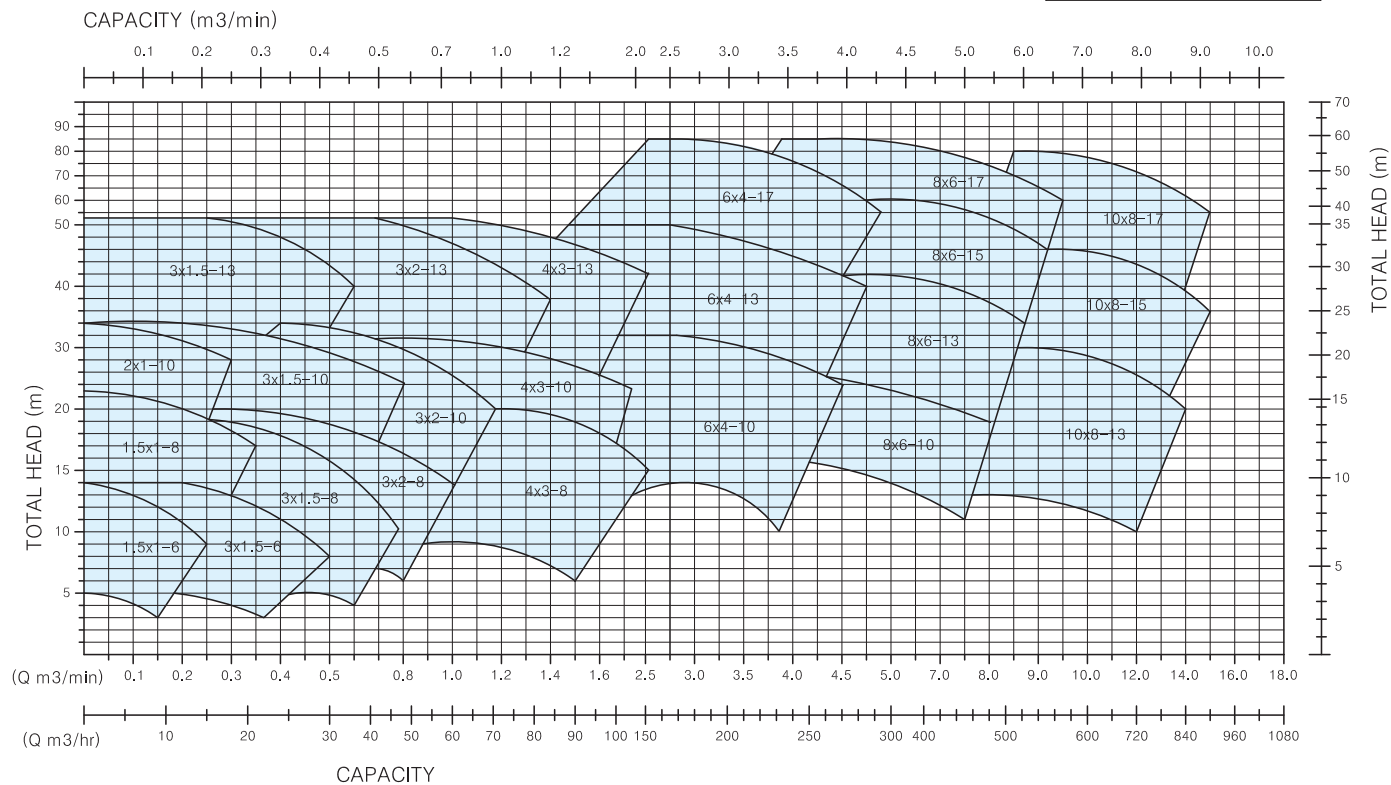


GROUP	SEAL	BRG.(R)	BRG.(Th)
KD1 - A06	1.375"(35)	6207 X 1	5306 X 1
KD2 - B09	1.75"(45)	6309 X 1	5309 X 1
KD2 - C11	2.125"(54)	6311 X 1	5311 X 1
KD3 - D14	2.625"(66.7)	6314 X 1	5314 X 1

2 - GROUP	SHAFT	Max. allowable (kW)	
		4 Pole	2 Pole
KD2-B09	SCM440	37	75
	304ss	22	45
KD2-C11	SCM440	75	132
	304ss	45	75

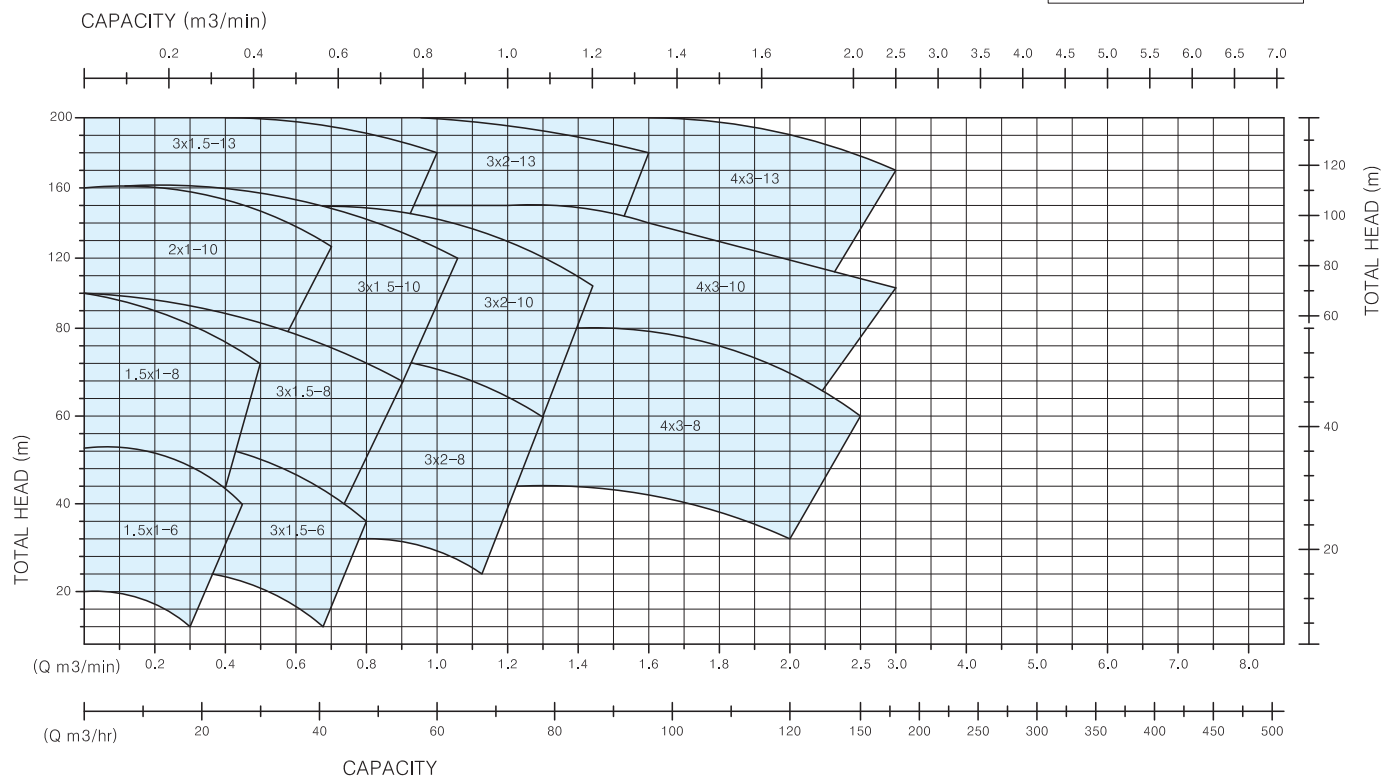
SELECTION CHART

50Hz 4p (1450 RPM)



60Hz 4p (1750 rpm)

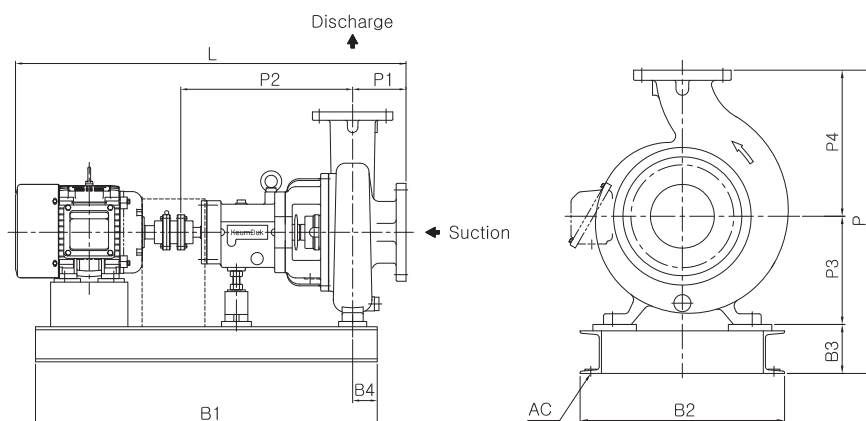
50Hz 2p (2900 RPM)



60Hz 2p (3500 rpm)

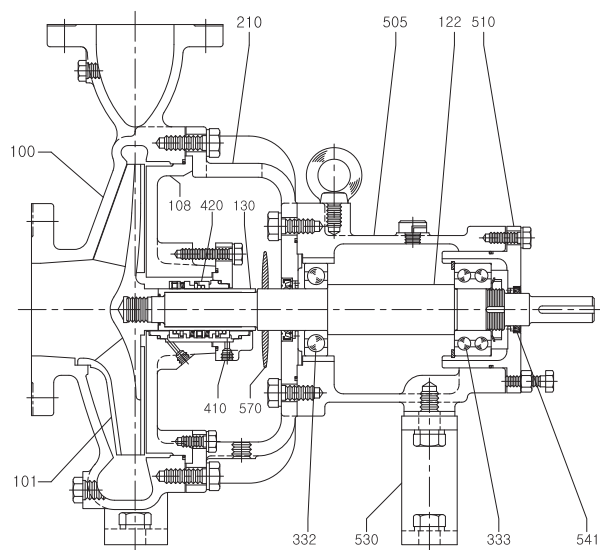
OUTLINE DIMENSION

	Connection	Tap
1P	Pressure Gauge	3/8"
1D	Casing Drain	1/2"
4F	Stuffing Box Flushing	1/4"
5D	Leakage Drain	3/8"



GROUP	MODEL	BORE		MOTOR (Kw)	PUMP						BED				
		SUC.	DIS.		L	P1	P2	P3	P4	P	B1	B2	B3	B4	Anch.
1-GROUP	1.5x1-6	40	25	1.5	854	102	343	133	165	383	800	260	85	60	4-Φ15
	1.5x1-8	40	25	2.2	902	102	343	133	165	418	800	260	120	60	4-Φ15
	3x1.5-6	80	40	2.2	902	102	343	133	165	383	800	260	85	60	4-Φ15
	3x1.5-8	80	40	3.7	916	102	343	133	165	418	800	260	120	60	4-Φ15
	2x1-10S	50	25	3.7	923	102	350	210	216	511	850	350	85	60	4-Φ15
2-GROUP	2x1-10	50	25	5.5	1145	102	495	210	216	511	1050	350	85	80	4-Φ15
	3x1.5-10	80	40	7.5	1182	102	495	210	216	511	1050	350	85	80	4-Φ15
	3x1.5-13	80	40	15	1326	102	495	254	267	630	1200	400	110	80	4-Φ19
	3x2-8	80	50	5.5	1145	102	495	210	242	537	1050	350	85	80	4-Φ15
	3x2-10	80	50	15	1326	102	495	210	242	562	1200	400	110	80	4-Φ19
	3x2-13	80	50	22	1345	102	495	254	292	656	1200	400	110	80	4-Φ19
	4x3-8	100	80	11	1282	102	495	210	280	600	1150	400	110	80	4-Φ19
	4x3-10	100	80	15	1326	102	495	210	280	600	1200	400	110	80	4-Φ19
	4x3-13	100	80	30	1383	102	495	254	318	682	1250	400	110	80	4-Φ19
	6x4-10	150	100	30	1383	102	495	254	343	707	1250	400	110	80	4-Φ19
	6x4-13	150	100	45	1559	102	495	254	343	737	1400	450	140	80	6-Φ19
	8x6-10	200	150	45	1645	152	515	356	407	903	1440	570	140	90	6-Φ19
	6x4-17	150	100	55	1866	152	708	368	406	914	1650	600	140	90	6-Φ24
	8x6-13	200	150	45	1863	152	708	368	406	914	1650	600	140	90	6-Φ24
	8x6-15	200	150	55	1866	152	708	368	457	965	1650	600	140	90	6-Φ24
3-GROUP	8x6-17	200	150	75	1969	152	708	368	457	995	1700	600	170	90	6-Φ24
	10x8-13	250	200	55	1866	152	708	368	457	965	1650	600	140	90	6-Φ24
	10x8-15	250	200	75	1969	152	708	368	483	1021	1700	600	170	90	6-Φ24
	10x8-17	250	200	110	2114	152	708	368	483	1021	1800	600	170	90	6-Φ24

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	SSC13 / SSC14, 16	A743-CF8 / A743-CF8M, CF3M
108	CASING COVER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
100	CASING	210	ADAPTER	505	BRACKET
101	IMPELLER	332	BEARING (Radial)	510	BEARING HOUSING SUPPORT
108	CASING COVER	333	CASING COVER	530	OIL SEAL (B. HOUSING)
122	SHAFT	410	BEARING (Thrust)	541	DEFLECTOR
130	SLEEVE	420	MECH. SEAL	570	

KIP

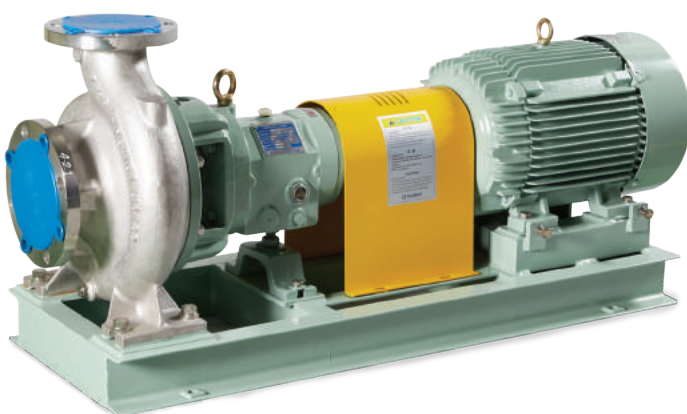
ISO5199/2858 STANDARD PROCESS PUMP

APPLICATIONS

- Industrial Process
- Chemical Process
- Water treatment & Drainage

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex
- Special Alloy (Alloy - 20 Hastelloy, Titanium)



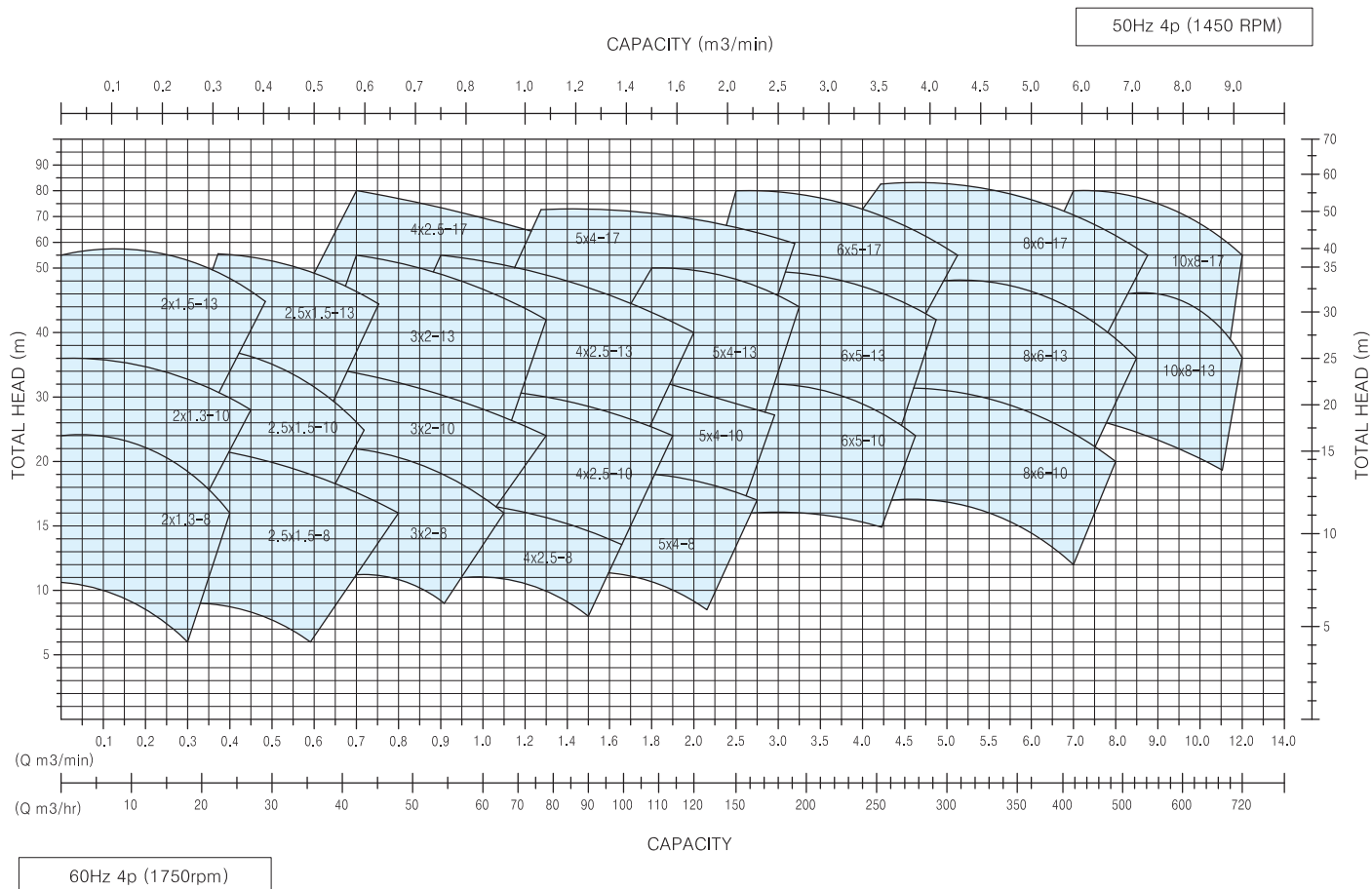
■ STANDARD SPECIFICATION

Capacity	Max. 1200 m ³ /hr
Total Head	Max. 150 mH
Temperature	Max. 100°C
Impeller Type	Close
Bore	25A ~350A
Rotation	CW (View from drive end)

■ FEATURES

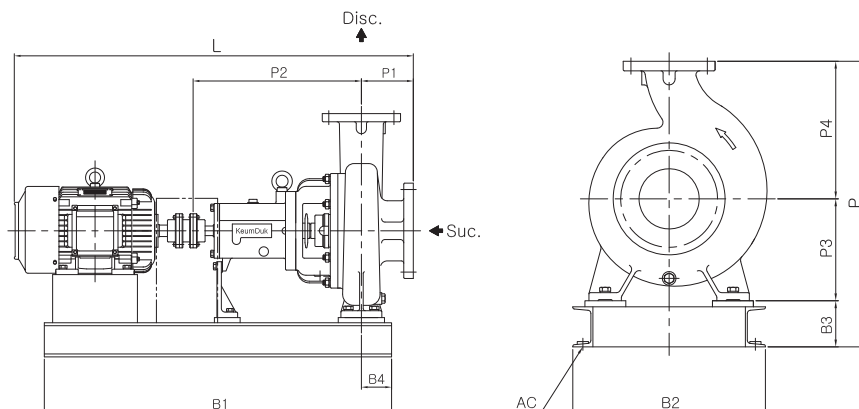
- Full compliance with ISO2858 standard
- High efficiency with Close-type impeller
- Heavy Duty Design
- Easy assembly with BACK PULL-OUT structure

■ SELECTION CHART



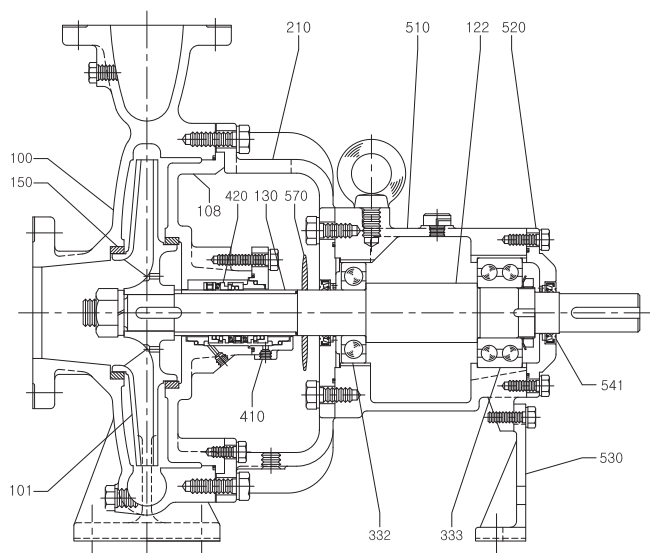
OUTLINE DIMENSION

	Connection	Tap
1P	Pressure Gauge	3/8"
1D	Casing Drain	3/8" 1/2"
4F	Stuffing Box Flushing	1/4"
5D	Leakage Drain	3/8"



MODEL	BORE		MOTOR (Kw)	PUMP						BED				
	SUC.	DIS.		L	P1	P2	P3	P4	P	B1	B2	B3	B4	AC.
2 x 1.3 - 8	50	32	1.5	874	80	385	160	180	425	850	320	85	80	4-Φ15
2.5 x 1.5 - 8	65	40	2.2	942	100	385	160	180	425	880	360	85	80	4-Φ15
3 x 2 - 8	80	50	3.7	956	100	385	160	200	445	890	360	85	80	4-Φ15
2 x 1.3 - 10	50	32	3.7	1071	100	500	180	225	490	1020	430	85	100	4-Φ15
2 x 1.5 - 13	50	40	5.5	1148	100	500	225	250	560	1060	430	85	100	4-Φ15
2.5 x 1.5 - 10	65	40	5.5	1148	100	500	180	225	490	1060	430	85	100	4-Φ15
2.5 x 1.5 - 13	65	40	7.5	1210	125	500	200	250	535	1100	430	85	100	4-Φ15
3 x 2 - 10	80	50	11	1310	125	500	180	225	515	1170	400	110	90	4-Φ19
3 x 2 - 13	80	50	15	1354	125	500	225	280	615	1230	450	110	100	4-Φ19
3 x 2.5 - 10	80	65	15	1329	100	500	200	250	560	1230	450	110	100	4-Φ19
4 x 2.5 - 8	100	65	18.5	1348	100	500	180	225	525	1220	400	120	90	4-Φ19
4 x 2.5 - 10	100	65	22	1373	125	500	200	250	560	1230	450	110	100	4-Φ19
5 x 3 - 8	125	80	22	1373	125	500	180	250	550	1230	450	120	100	4-Φ19
5 x 3 - 10	125	80	30	1411	125	500	225	280	615	1270	450	110	100	4-Φ19
4 x 2.5 - 13	100	65	22	1441	125	530	225	280	615	1320	450	110	120	6-Φ19
4 x 2.5 - 17	100	65	37	1583	125	530	280	355	780	1440	570	145	120	6-Φ19
5 x 3 - 13	125	80	37	1583	125	530	250	315	710	1440	500	145	120	6-Φ19
5 x 3 - 17	125	80	45	1648	140	530	280	355	780	1490	570	145	120	6-Φ19
5 x 4 - 10	125	100	55	1651	140	530	225	280	650	1490	500	145	120	6-Φ19
5 x 4 - 13	125	100	75	1805	140	530	250	315	735	1590	550	170	120	6-Φ24
5 x 4 - 17	125	100	90	1805	140	530	280	355	805	1590	600	170	120	6-Φ24
6 x 5 - 10	150	125	30	1494	140	530	250	355	715	1360	450	110	120	6-Φ19
6 x 5 - 13	150	125	45	1648	140	530	280	355	780	1490	570	145	120	6-Φ19
6 x 5 - 17	150	125	75	1805	140	530	315	400	885	1590	600	170	120	6-Φ24
8 x 6 - 10	200	150	90	1825	160	530	280	375	825	1590	600	170	120	6-Φ24
8 x 6 - 13	200	150	45	1859	160	670	315	400	860	1690	650	145	130	6-Φ24
8 x 6 - 17	200	150	55	1882	180	670	350	450	945	1690	650	145	130	6-Φ24

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	SSC13 / SSC14, 16	A743-CF8 / A743-CF8M, CF3M
108	CASING COVER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L
150	WEARING (CASING)	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M

No.	Parts	No.	Parts	No.	Parts
100	CASING	210	ADAPTER	520	BEARING COVER
101	IMPELLER	332	BEARING (Radial)	530	SUPPORT
108	CASING COVER	333	BEARING (Thrust)	541	OIL SEAL (B. COVER)
122	SHAFT	410	SEAL GLAND	570	DEFLECTOR
130	SLEEVE	420	MECH. SEAL		
150	WEARING (CASING)	510	BEARING HOUSING		

KAPI

API610 STANDARD PROCESS PUMP

APPLICATIONS

- Petroleum Refinery
- Petrochemical Industry
- Other Chemical
- High temperature and high pressure Service

MATERIALS

- Carbon Steel
- Stainless Steel
- API610 Appendix E



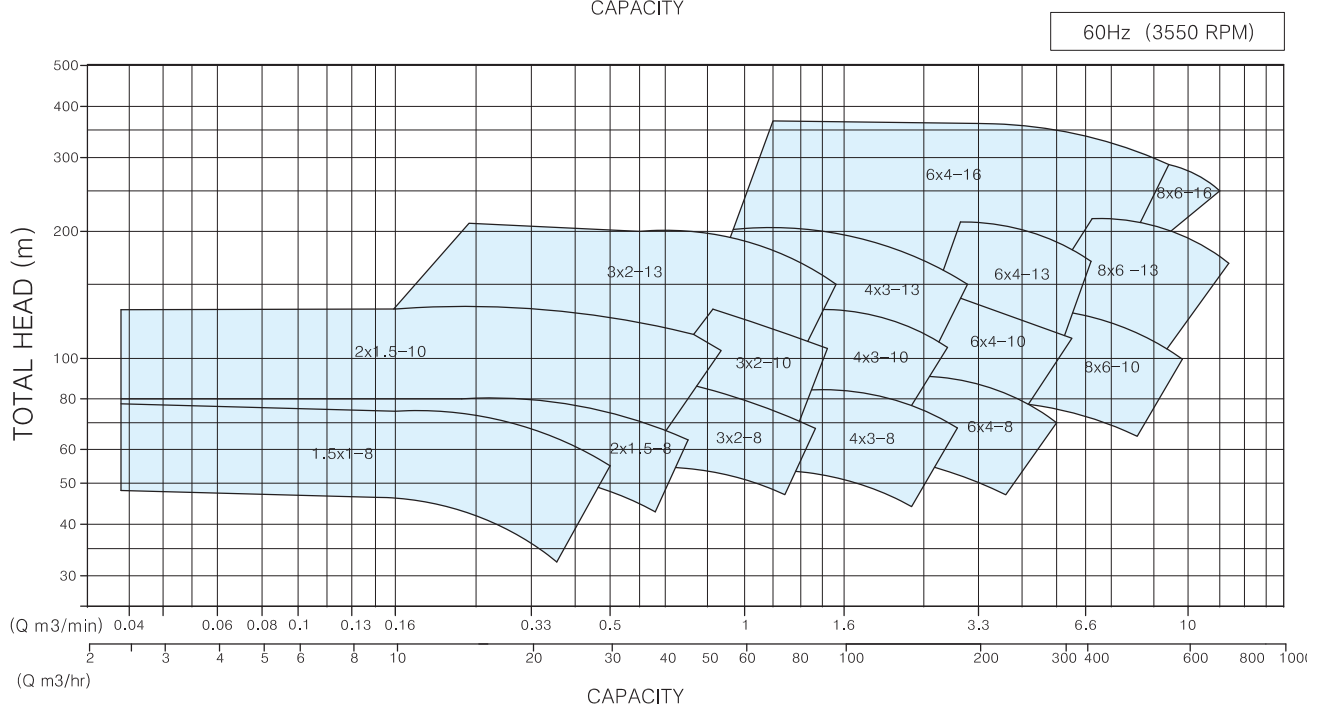
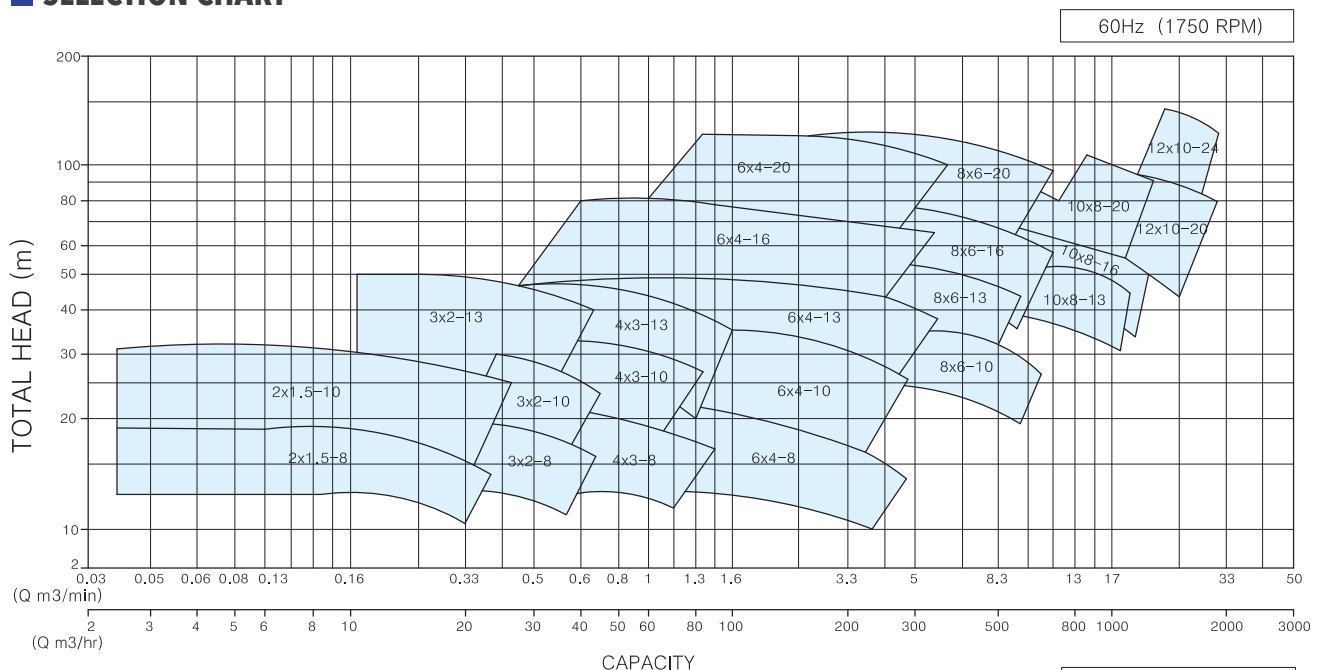
STANDARD SPECIFICATION

Capacity	~1500m ³ /hr
Total Head	~200m H
Temperature	Max. 400°C
Impeller Type	Close Type

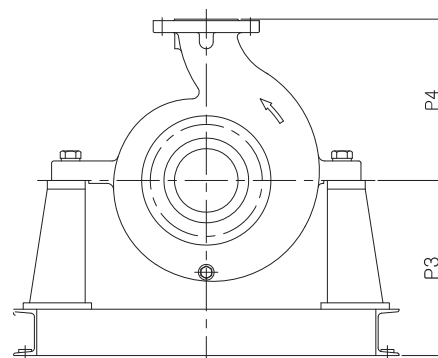
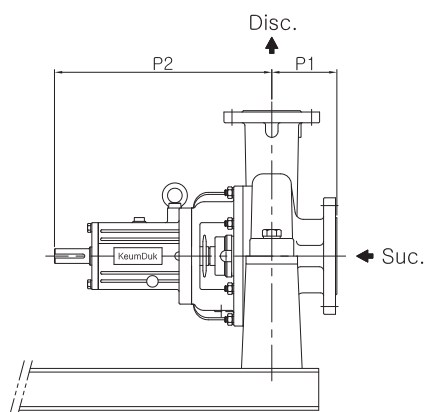
FEATURES

- Accommodates full range of API610
- Back pull-out design
- Maximum efficiency
- Heavy and sturdy construction
- Completely standardization for wide application

SELECTION CHART

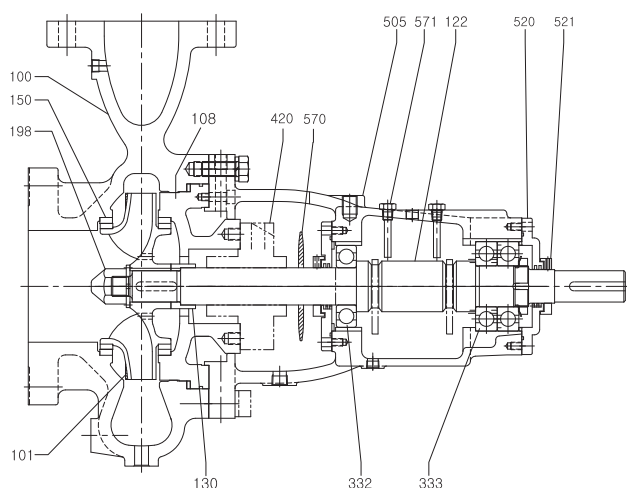


■ OUTLINE DIMENSION



MODEL	BORE		P1	P2	P3	P4
	SUC.	DIS.				
KAPI 1.5 x 1 - 8	40	25	120	580	345	240
KAPI 2 x 1.5 - 8	50	40	135	580	345	240
KAPI 2 x 1.5 - 10	50	40	140	600	425	252
KAPI 3 x 2 - 8	80	50	150	580	345	240
KAPI 3 x 2 -10	80	50	145	650	425	270
KAPI 3 x 2 -13	80	50	170	730	430	310
KAPI 4 x 3 - 6	100	80	170	650	345	260
KAPI 4 x 3 - 10	100	80	152	650	430	356
KAPI 4 x 3 - 13	100	80	170	730	505	410
KAPI 6 x 4 - 10	150	100	152	650	470	356
KAPI 6 x 4 - 13	150	100	195	730	575	450
KAPI 6 x 4 - 16	150	100	200	850	625	575
KAPI 6 x 4 - 20	150	100	215	850	575	460
KAPI 8 x 6 - 10	200	150	220	760	530	450
KAPI 8 x 6 - 12	200	150	200	730	530	407
KAPI 8 x 6 -16	200	150	230	850	625	525
KAPI 8 x 6 -20	200	150	245	950	575	580
KAPI 10 x 8 - 13	250	200	255	850	575	580
KAPI 10 x 8 - 16	250	200	255	850	575	580
KAPI 10 x 8 - 20	250	200	250	950	625	650
KAPI 12 x 10 - 20	300	250	300	1135	800	700
KAPI 12 x 10 - 24	300	250	300	1200	815	750

■ SECTIONAL



No.	Parts	KS	ASTM
100	CASING	SCPH2 / SSC13, 14, 16	A276-WCB / A743-CF8, CF8M, CF3M
101	IMPELLER	SSC1 / SSC14, 16	A743-CA1 5 / A743-CF8, CF8M, CF3M
108	CASING COVER	SCPH2 / SSC13, 14, 16	A276-WCB / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L
150	WEARING (CASING)	SCPH2 / SSC13, 14, 16	A276-WCB / A743-CF8, CF8M, CF3M

No.	Parts	No.	Parts	No.	Parts
100	CASING	150	WEARING (CASING)	505	BRACKET
101	IMPELLER	198	IMPELLER NUT	520	BEARING COVER
108	CASING COVER	332	BEARING (Radial)	521	LAVYRINTH RING
122	SHAFT	333	BEARING (Thrust)	570	DEFLECTOR
130	SLEEVE	420	MECH. SEAL	571	OIL BOLT

KDR

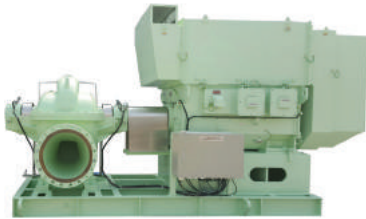
DOUBLE SUCTION CENTRIFUGAL PUMP

APPLICATIONS

- Industrial Process
- Water delivery and irrigation
- Cooling water supply
- Circulation water

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304,316,316L)
- Duplex, Super Duplex
- Special Alloy (Alloy-20, Hastelloy, Titanium)



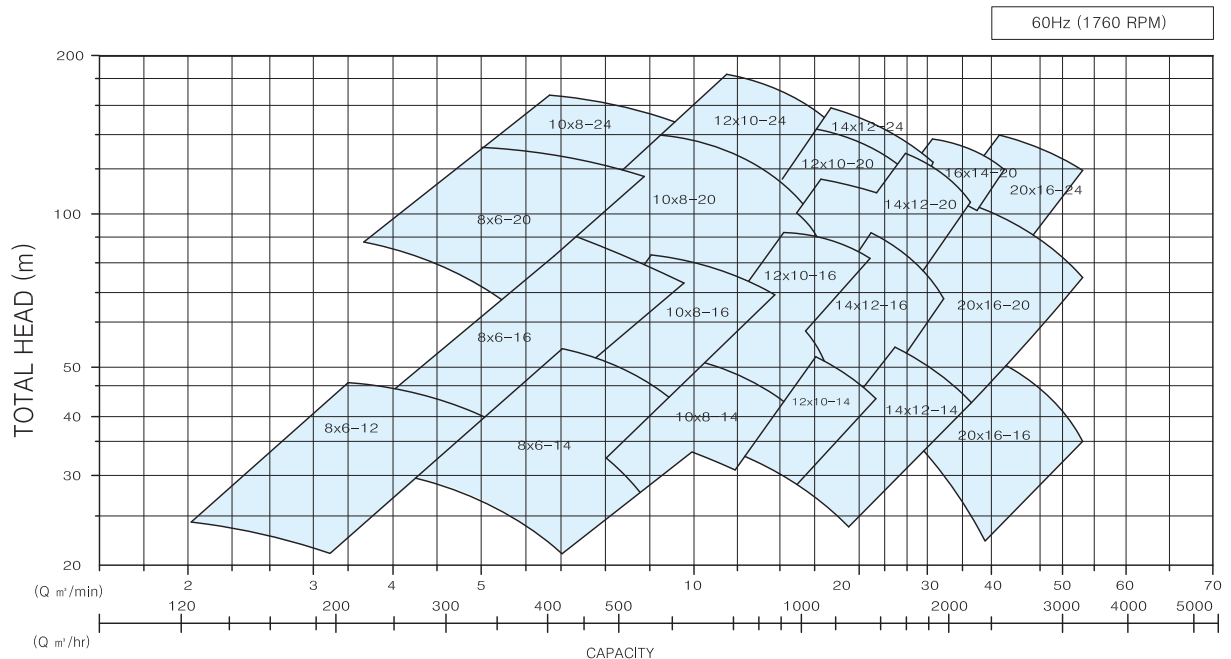
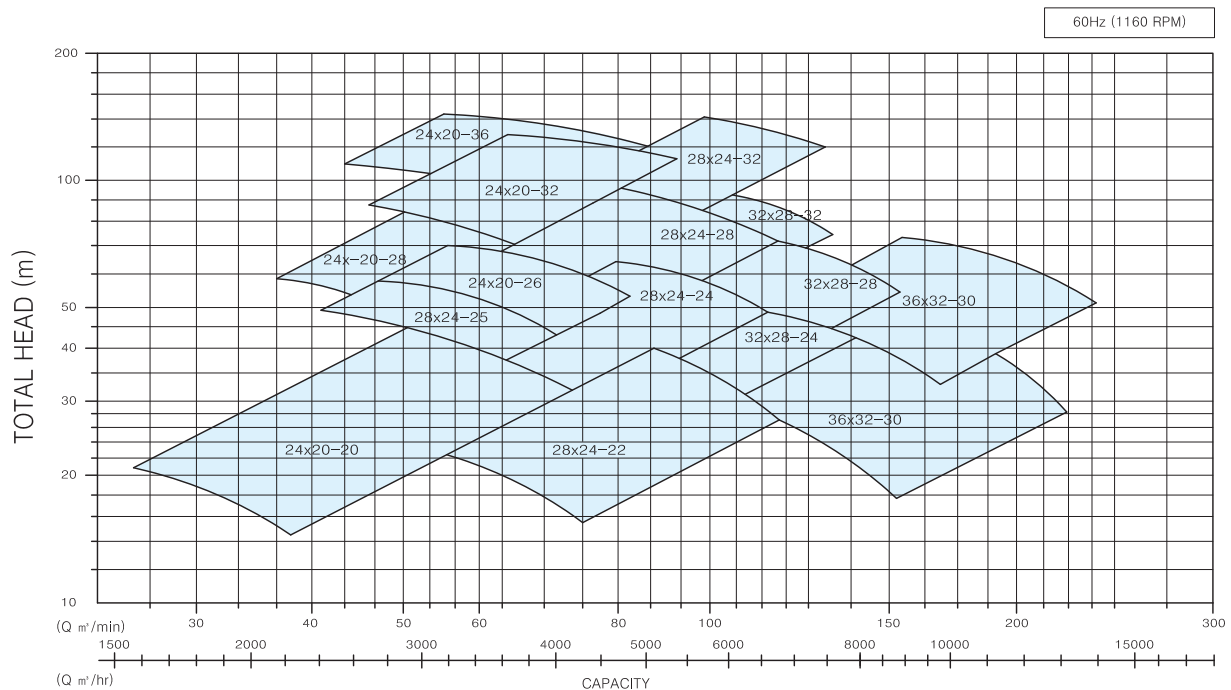
STANDARD SPECIFICATION

Capacity	Max. 10000 m ³ /hr
Total Head	Max. 200 mH
Temperature	Max. 150°C
Bore	150A ~ 1000A
Rotation	CW (View from drive end)

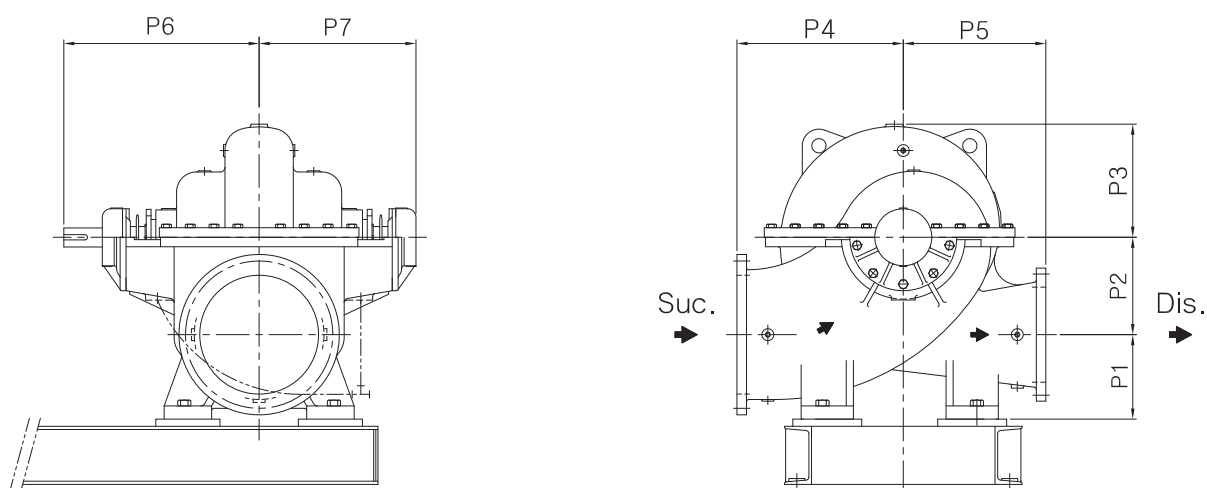
FEATURES

- Easy installation with horizontally split casing structure
- Heavy Duty Design

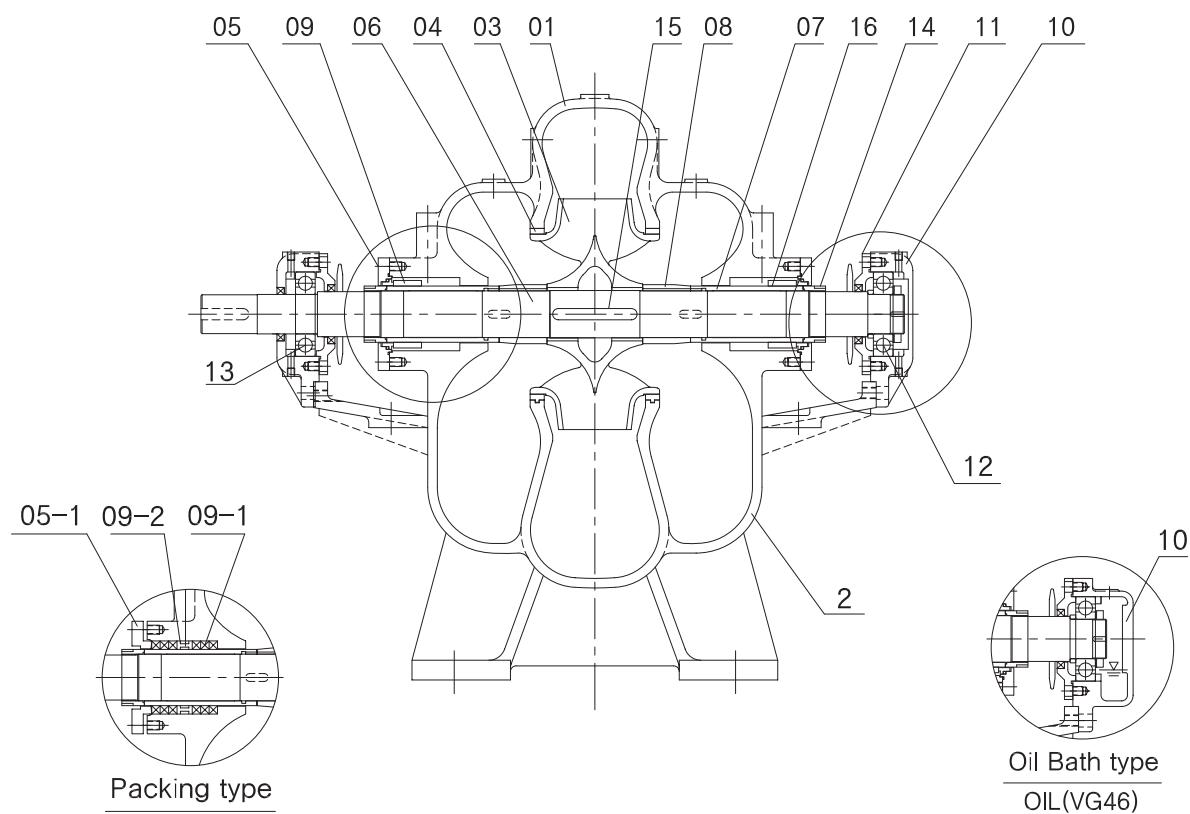
SELECTION CHART



OUTLINE DIMENSION



MODEL	BORE		PUMP						
	SUC.	DIS.	P1	P2	P3	P4	P5	P6	P7
KDR 8x6-12	200	150	200	200	260	375	375	510	410
KDR 8x6-16	200	150	200	200	280	400	400	510	410
KDR 8x6-20	200	150	200	200	330	450	450	560	450
KDR 10x8-12	250	200	210	240	300	400	400	560	450
KDR 10x8-16	250	200	210	240	300	450	450	560	450
KDR 10x8-20	250	200	210	240	370	450	450	655	530
KDR 10x8-24	250	200	200	300	435	550	550	655	530
KDR 12x10-12	300	250	250	250	320	500	400	560	470
KDR 12x10-14	300	250	250	300	350	500	500	655	530
KDR 12x10-16	300	250	250	300	400	550	550	655	530
KDR 12x10-20	300	250	250	300	400	550	550	720	575
KDR 12x10-24	300	250	260	300	455	600	600	720	575
KDR 14x12-16	350	300	280	300	365	600	550	700	570
KDR 14x12-20	350	300	300	350	430	650	650	825	655
KDR 14x12-24	350	300	300	400	550	750	750	825	655
KDR 16x14-16	400	350	300	350	430	655	555	750	640
KDR 16x14-20	400	350	315	415	470	690	620	910	710
KDR 16x14-24	400	350	315	460	505	740	670	910	710
KDR 20x16-20	500	400	360	480	520	750	600	905	700
KDR 20x16-24	500	400	360	490	530	800	700	955	740
KDR 24x20-20	600	500	425	475	560	850	800	1025	820
KDR 24x20-26	600	500	425	495	600	850	800	1115	900
KDR 24x20-28	600	500	400	600	620	1050	850	1175	900
KDR 24x24-26	600	600	500	500	610	900	800	1100	920
KDR 28x24-24	700	600	505	545	650	1000	1000	1060	840
KDR 28x24-28	700	600	505	545	650	1000	1100	1160	930
KDR 28x24-32	700	600	520	580	760	1000	1200	1275	1000
KDR 32x28-28	800	700	550	620	750	1200	1150	1360	1130
KDR 32x28-32	800	700	550	650	850	1250	1250	1440	1160
KDR 36x32-30	900	800	610	770	920	1400	1125	1410	1180
KDR 36x32-34	900	800	610	770	920	1400	1125	1500	1180



No.	Parts	Q'ty	Material		
			Cast Iron	Stainless Steel	Special Alloy
01	CASING (UPPER)	1	Cast Iron	Stainless steel	Special Alloy
02	CASING (LOWER)	1	Cast Iron	Stainless steel	Special Alloy
03	IMPELLER	1	304SS	Stainless steel	Special Alloy
04	CASING RING	2	Cast Iron	Stainless steel	Special Alloy
05	SEAL GLAND	2	304SS	Stainless steel	Special Alloy
05-1	PACKING GLAND	2	Cast Iron	Stainless steel	Special Alloy
06	SHAFT	1	SCM440	Stainless	Special Alloy
07	SLEEVE	2	304SS	Stainless	Special Alloy
08	IMPELLER SLEEVE	1	304SS	Stainless	Special Alloy
09	MECH. SEAL	2st			
09-1	PACKING	2st	Non-Asbestos		
09-2	LANTERNRING	2	S45C	Stainless	Special Alloy
10	BEARING HOUSING	2	Cast Iron	Cast Iron	Cast Iron
11	BEARING COVER	2	Cast Iron	Cast Iron	Cast Iron
12	BEARING (THRUST)	1st	STB2	STB2	STB2
13	BEARING (RADIAL)	1st	STB2	STB2	STB2
14	SLEEVE NUT	2	304SS	Stainless	Stainless
15	IMPELLER KEY	1	S45C	Stainless	Stainless
16	SLEEVE O-RING	2	NBR	VITON	VITON

KDRV

VERTICAL DOUBLE SUCTION PUMP

APPLICATIONS

- General Industrial Application
- Cooling Water Supply
- Circulating Water
- Irrigation
- Water Supply and Industrial Application

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex



STANDARD SPECIFICATION

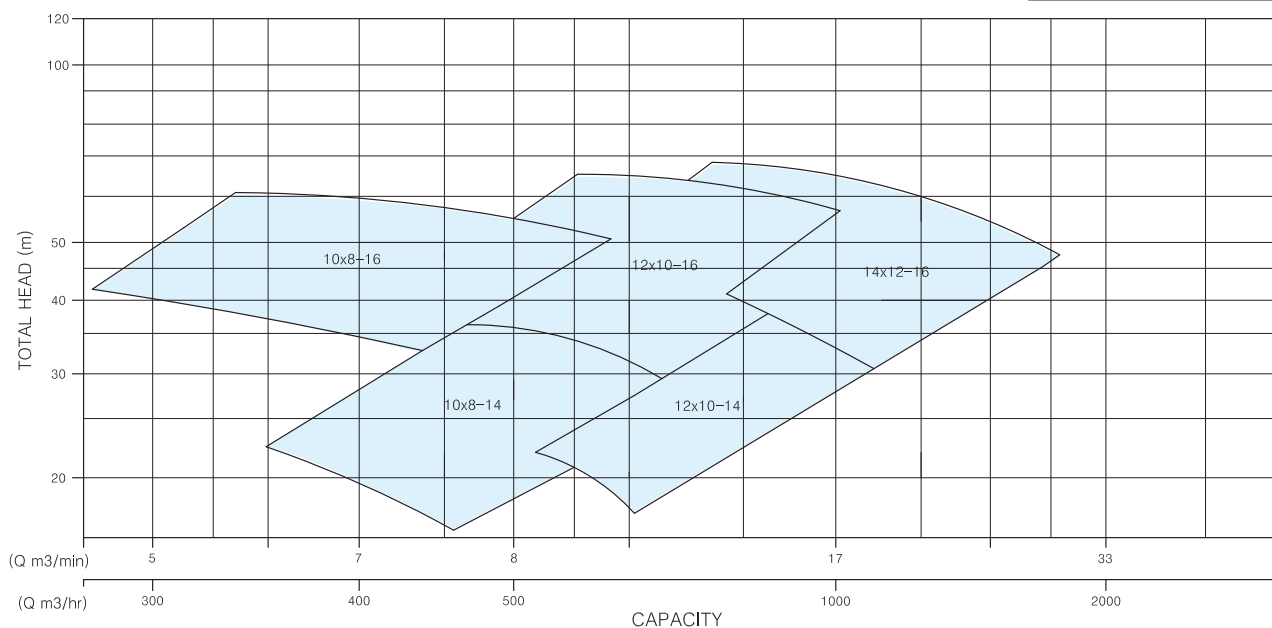
Capacity	350~3,200 m ³ /hr
Total Head	15~90mH
Temperature	Max. 90°C
Impeller Type	Close Type
Rotation	CW (View from drive end)

FEATURES

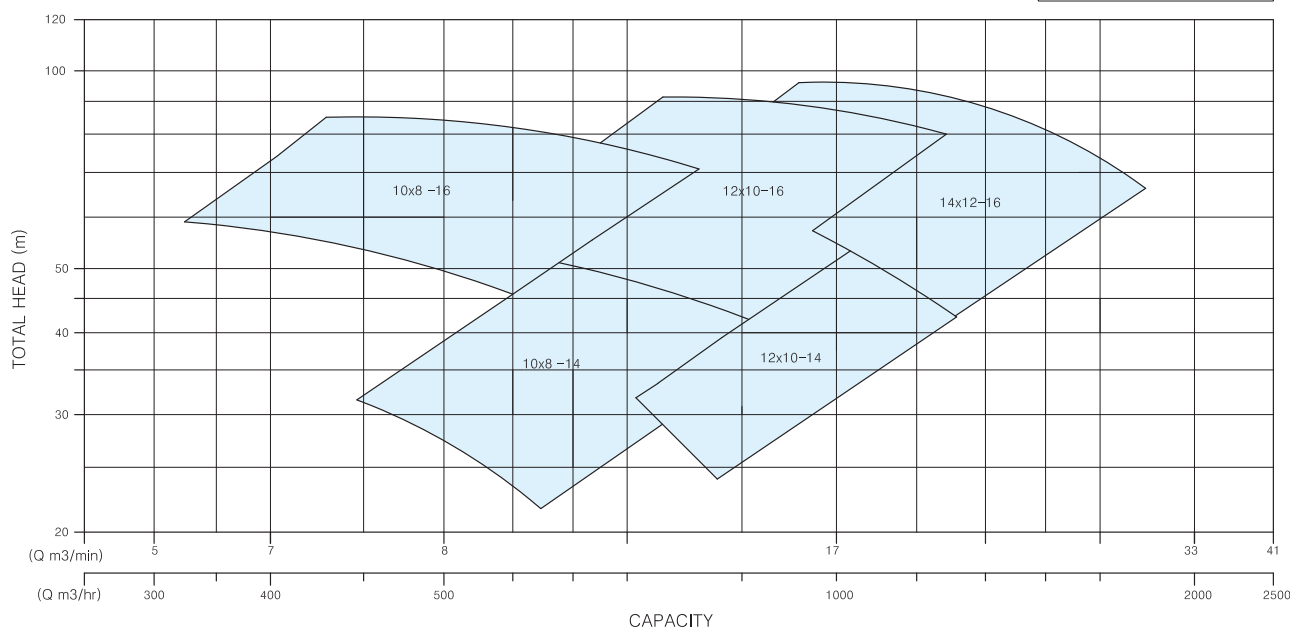
- Wide range of application and performance in operation
- Low vibration and noise
- Horizontally separated from the shaft center line
- Vertical double suction type pump
- Designed to be easily operated and repaired for bearing

SELECTION CHART

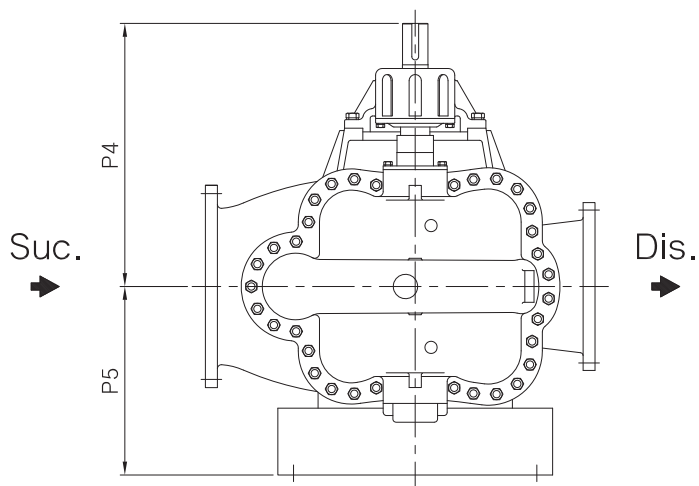
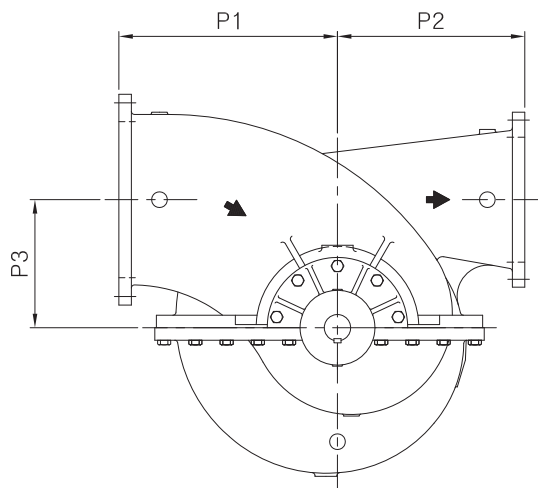
50Hz (1450 RPM)



60Hz (1750 RPM)

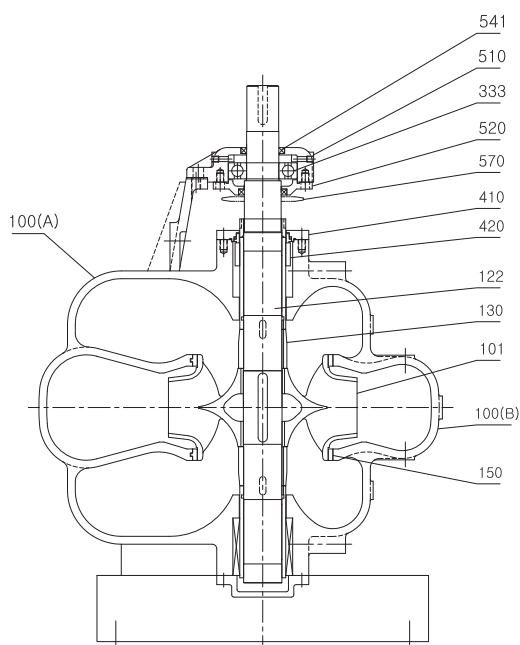


■ OUTLINE DIMENSION



MODEL	BORE		PUMP				
	SUC.	DIS.	P1	P2	P3	P4	P5
KDRV 10x8-14	250	200	400	400	250	630	450
KDRV 10x8-16	250	200	450	450	250	630	450
KDRV 12x10-14	300	250	500	500	320	690	500
KDRV 12x10-16	300	250	550	550	320	710	500
KDRV 14x12-16	350	300	600	550	300	700	600

■ SECTIONAL



No.	Parts	KS	ASTM
100(A)	CASING (LOWER)	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
100(B)	CASING (UPPER)	GC250 / SSC13, 14, 16	A743-CF8 / A743-CF8M, CF3M
101	IMPELLER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L
150	WEARING (CASING)	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M

No.	Parts	No.	Parts	No.	Parts
100(A)	CASING (LOWER)	150	WEARING (CASING)	510	BEARING HOUSING
100(B)	CASING (UPPER)	199	IMPELLER KEY	520	BEARING COVER
101	IMPELLER	333	BEARING	541	OIL SEAL (B. COVER)
122	SHAFT	410	SEAL GLAND	570	DEFLECTOR
130	SLEEVE	420	MECH. SEAL		

KMS

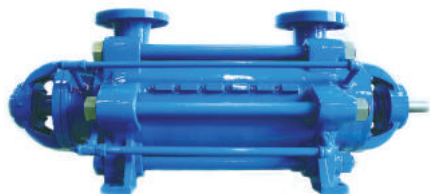
MULTI-STAGE PUMP

APPLICATIONS

- Boiler feed water
- High Pressure Services
- Hydraulic Press Operation

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex
- Special Alloy (Alloy - 20 Hastelloy, Titanium)



STANDARD SPECIFICATION

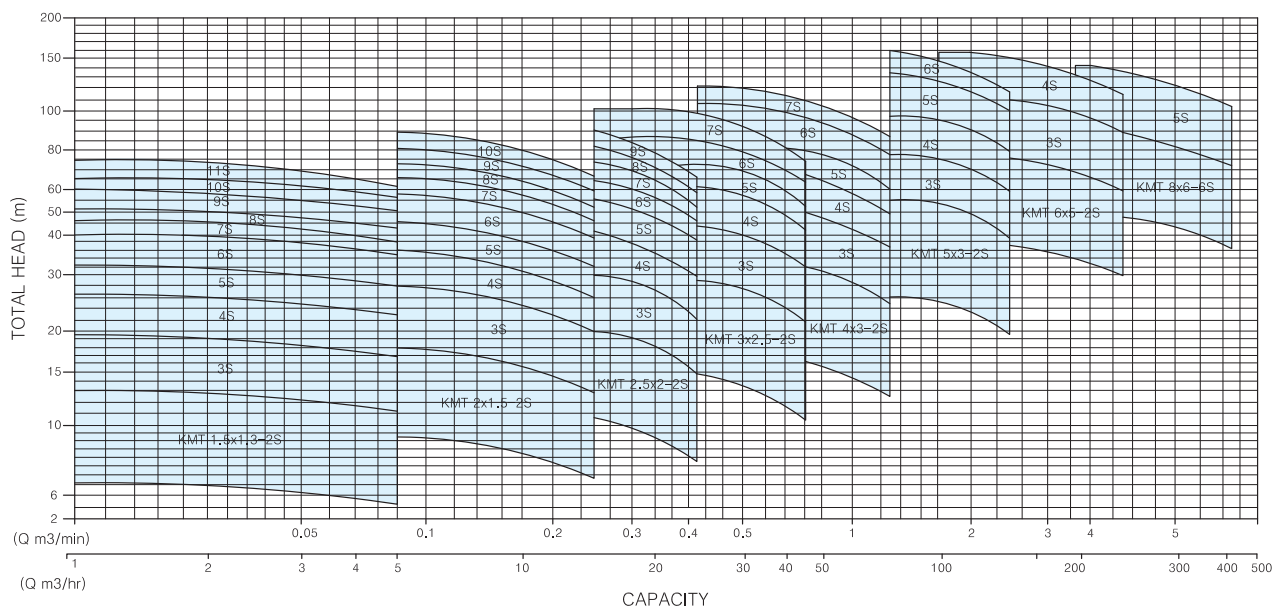
Capacity	3~500 m ³ /hr
Total Head	32~150mH
Temperature	Max. 100°C
Impeller Type	Close Type
Bore	25A ~ 250A
Rotation	CW (View from drive end)

FEATURES

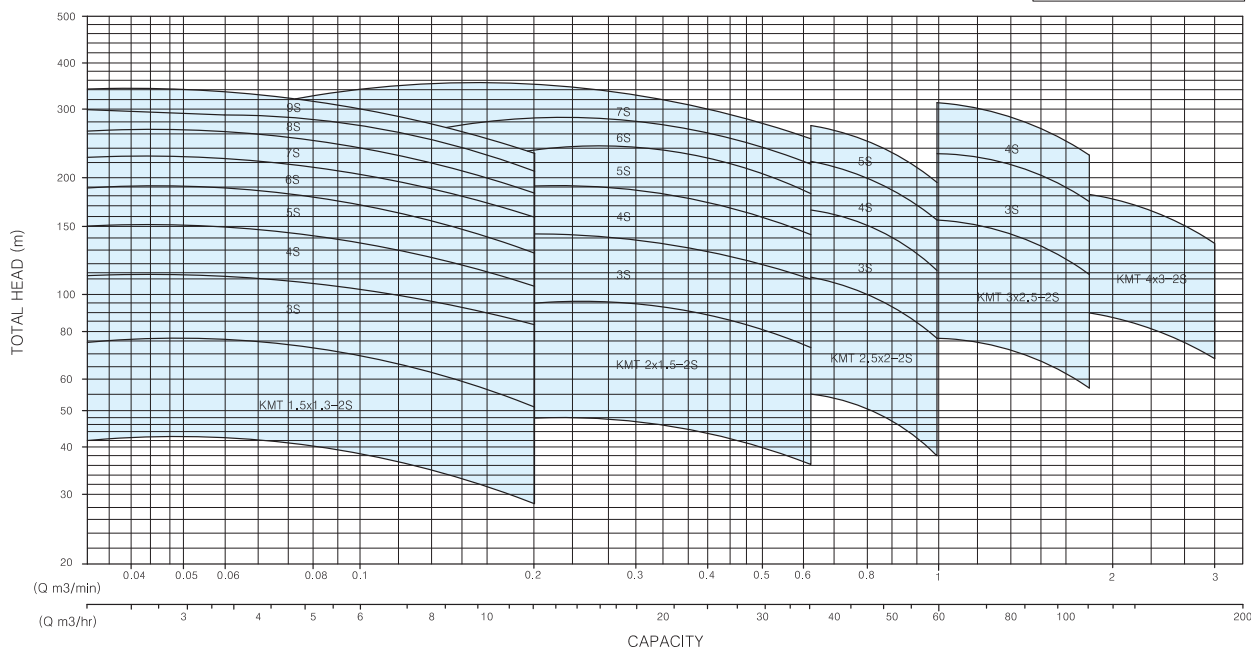
- High efficiency over a wide range
- Simple construction permits easy maintenance
- Suitable for low NPSH_r operation
- Compact and inexpensive

SELECTION CHART

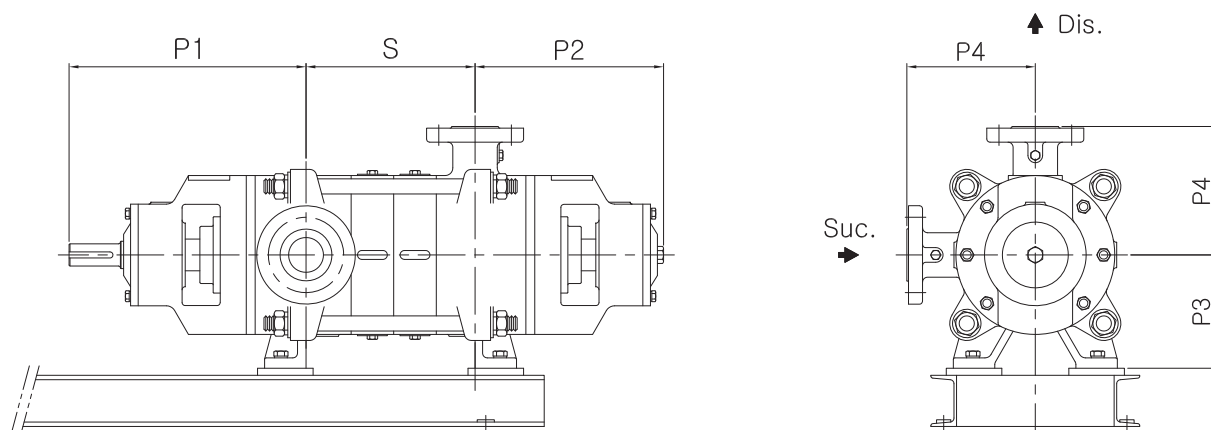
60Hz (1750 RPM)



60Hz (3500 RPM)

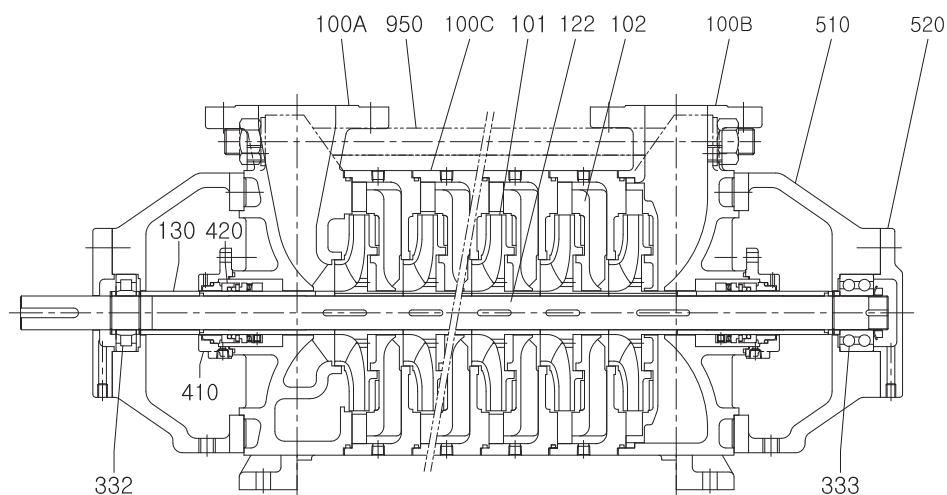


OUTLINE DIMENSION



MODEL	BORE		P1	P2	P3	P4	S								
	SUC.	DIS.					S2	S3	S4	S5	S6	S7	S8	S9	S10
KMT 1.5 x 1.3	40	32	260	190	145	165	123	171	219	267	315	363	411	459	507
KMT 2 x 1.5	50	40	260	190	170	185	143	203	263	323	383	443	503	563	623
KMT 2.5 x 2	65	50	270	210	170	200	161	228	295	362	429	496	563	819	
KMT 3 x 2.5	80	65	280	230	190	225	190	266	342	417	494	570			
KMT 4 x 3	100	80	340	260	220	275	203	291	379	467	555	643			
KMT 5 x 4	125	100	370	290	260	310	245	350	455	560	665				
KMT 6 x 5	150	125	430	320	310	380	290	410	530	650					
KMT 8 x 6	200	150	540	400	360	440	370	520	670	820					

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	SSC13 / SSC14, 16	A743-CF8 / A743-CF8M, CF3M
102	DIFFUSER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
100(A)	CASING (SUCTION)	122	SHAFT	420	MECH. SEAL
100(B)	CASING (DISCHARGE)	130	SLEEVE	510	BEARING HOUSING
100(C)	CASING (MIDDLE)	332	BEARING (Radial)	520	BEARING COVER
101	IMPELLER	333	BEARING (Thrust)	950	TIE BOLT
102	DIFFUSER	410	SEAL GLAND		

KMT

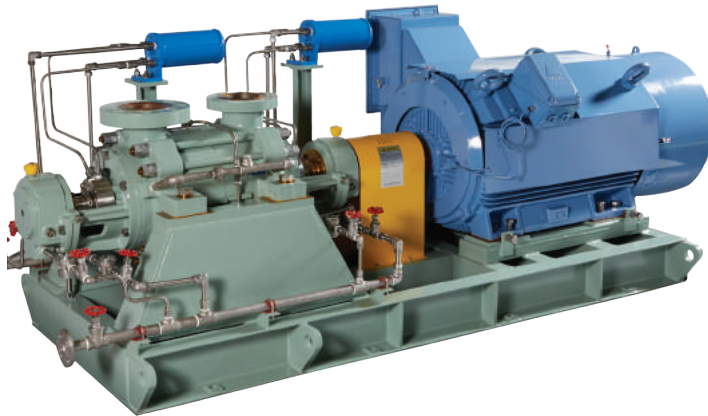
HIGH PRESSURE MULTI-STAGE TURBINE PUMP

APPLICATIONS

- Water Supply
- Industrial Water Supply
- Water Supply for Boiler
- Pressurization
- City Water Supply
- Firefighting

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex
- Special Alloy (Alloy - 20 Hastelloy, Titanium)



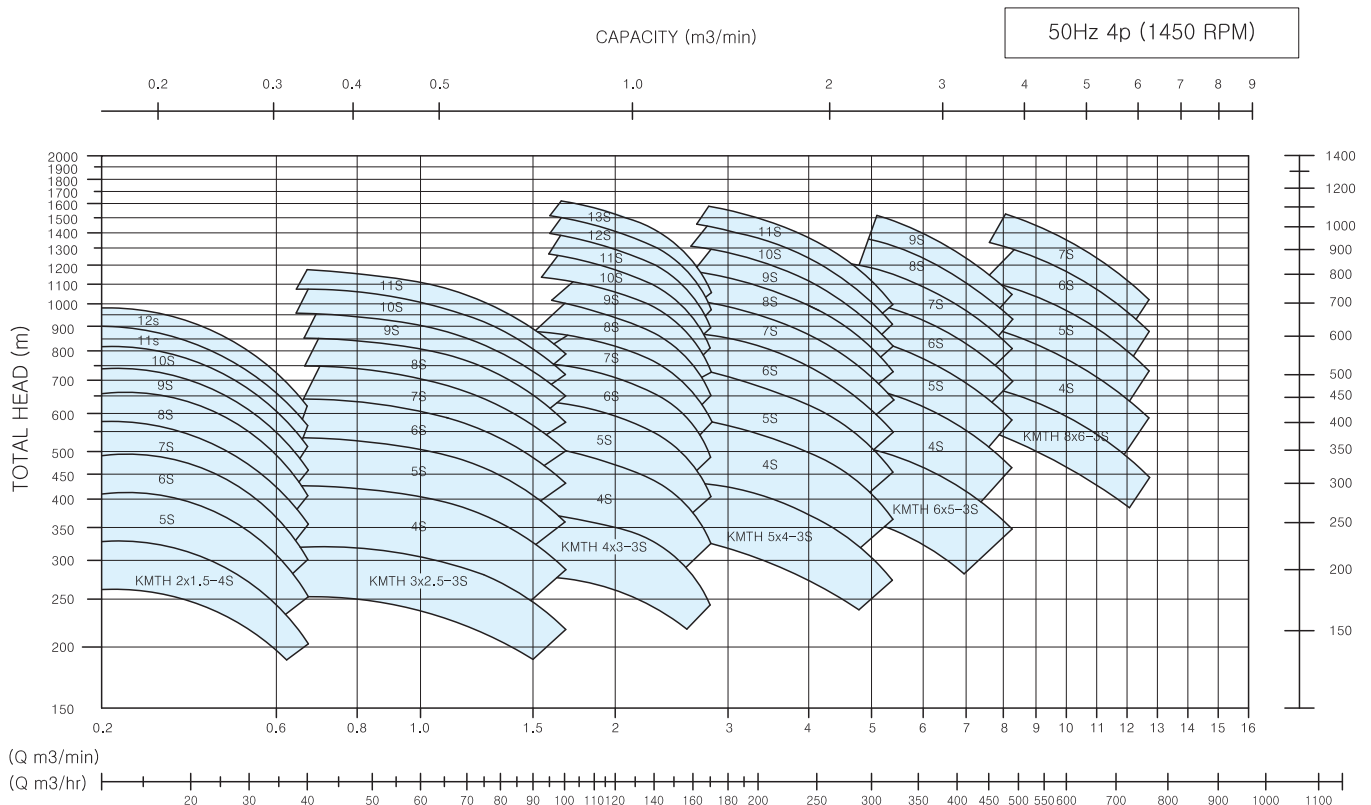
■ STANDARD SPECIFICATION

Capacity	3~500 m ³ /hr
Total Head	32~1000mH
Temperature	Max. 200°C
Impeller Type	Close Type
Bore	25A ~ 250A
Rotation	CW (View from drive end)

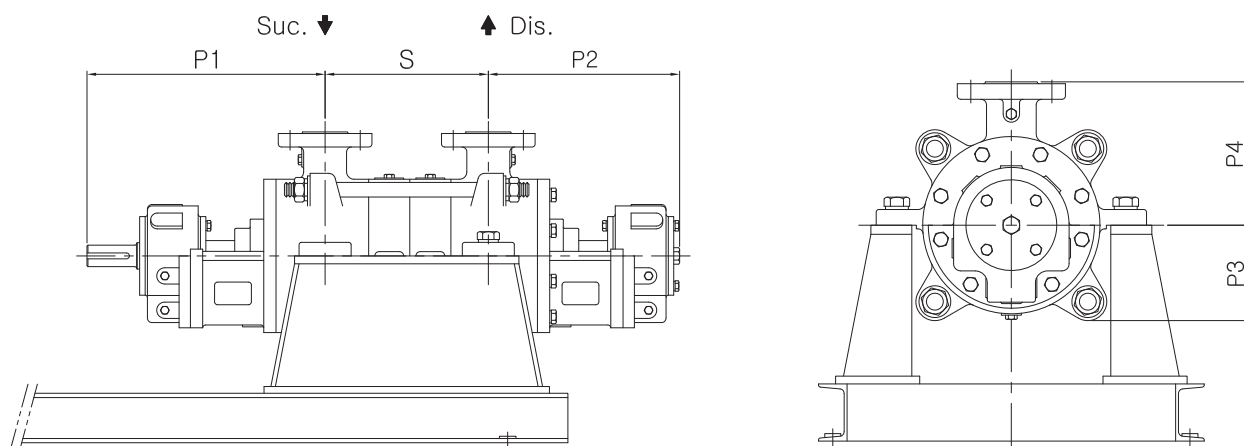
■ FEATURES

- High pressure multi-stage centrifugal pump
- Low vibration and noise
- Safe and high efficiency design in a high speed rotating condition
- Standardization with high compatible of component

■ SELECTION CHART

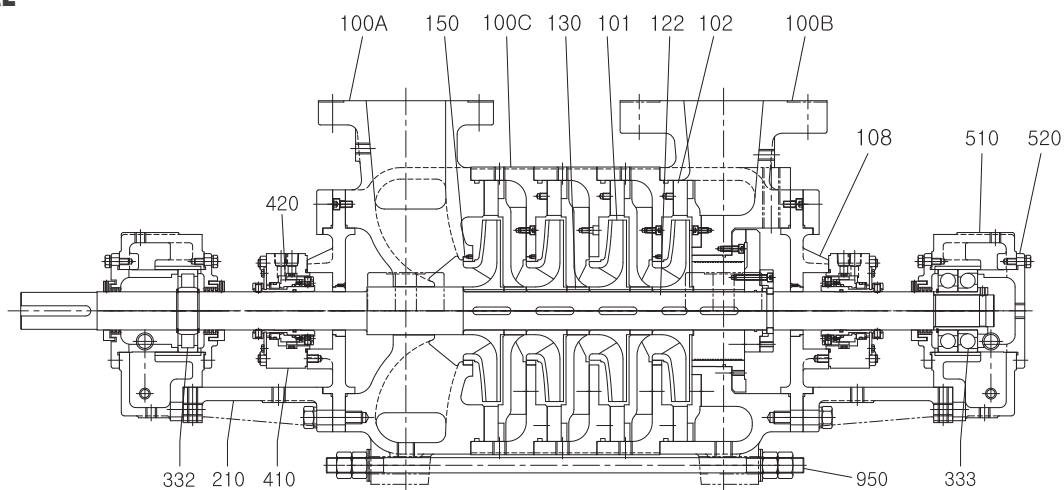


OUTLINE DIMENSION



MODEL	BORE		P1	P2	P3	P4	S							
	SUC.	DIS.					S2	S3	S4	S5	S6	S7	S8	
KMTH 2 x 1.5	50	40	450	400	155	220	184	246	308	370	432	494	556	
KMTH 3 x 2.5	80	65	500	450	170	224	175	245	315	385	455	525	595	
KMTH 4 x 3	100	80	500	450	180	250	205	285	365	445	525	605	685	
KMTH 5 x 4	125	100	500	450	220	300	241	335	429	523	617	711	805	
KMTH 6 x 5	150	125	600	500	270	340	317	428	539	650	761	872	983	
KMTH 8 x 6	200	150	600	500	370	425	390	570	750	930	1110	1290	1470	
KMTH 10 x 8	250	200	750	600	390	495	415	572	729	886	1043	1200	1357	

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	SSC13 / SSC14, 16	A743-CF8 / A743-CF8M, CF3M
108	CASING COVER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L
150	WEARING (CASING)	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M

No.	Parts	No.	Parts	No.	Parts
100(A)	CASING (SUCTION)	122	SHAFT	410	SEAL GLAND
100(B)	CASING (DISCHARGE)	130	SLEEVE	420	MECH. SEAL
100(C)	CASING (MIDDLE)	150	WEARING (CASING)	510	BEARING HOUSING
101	IMPELLER	210	ADAPTER	520	BEARING COVER
101	DIFFUSER	332	BEARING (Radial)	950	TIE BOLT
108	CASING COVER	333	BEARING (Thrust)		

KVP

VERTICAL SUMP PROCESS PUMP

APPLICATIONS

- Industrial Process
- Chemical Process
- Water treatment and other industry
- Circulation pump for scrubber

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex
- Special Alloy (Alloy - 20 Hastelloy, Titanium)



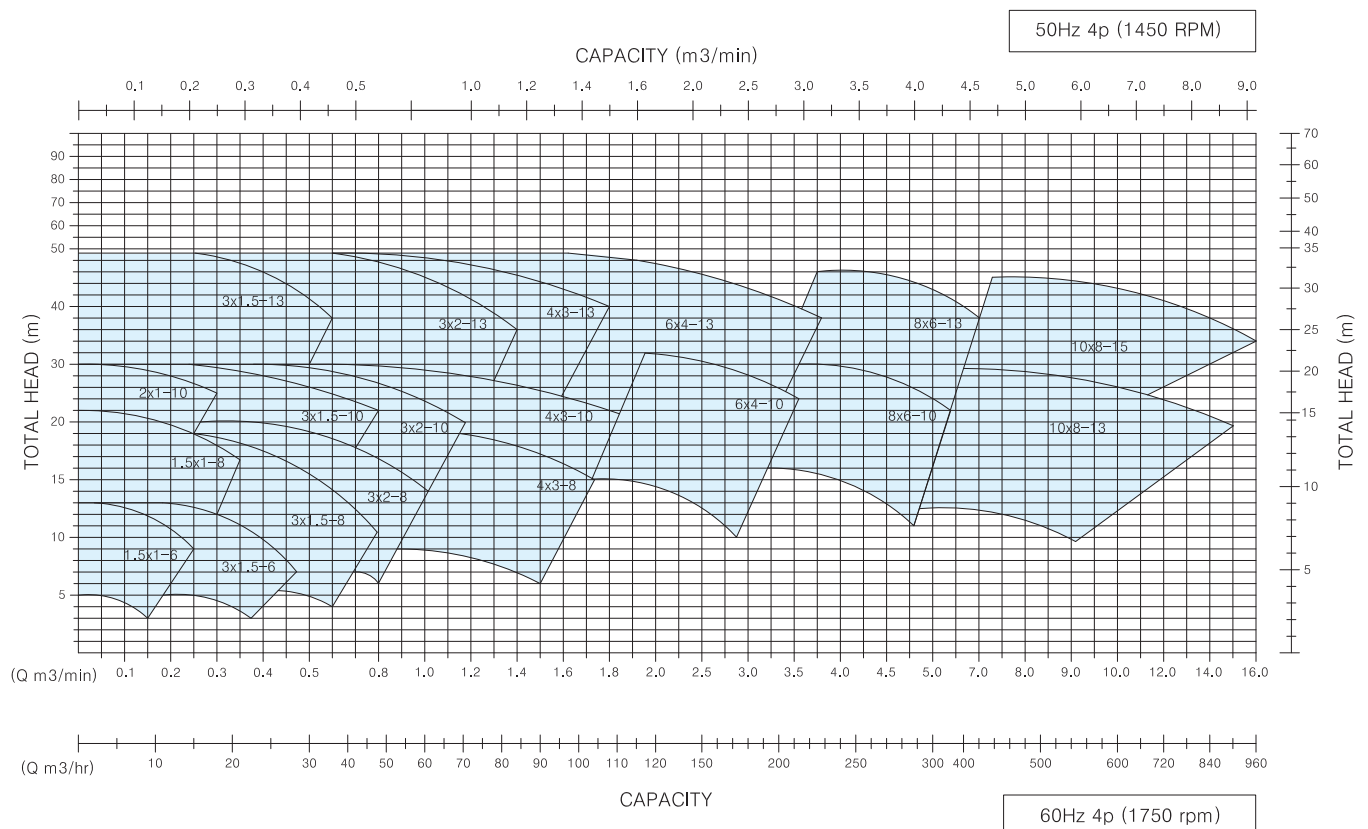
STANDARD SPECIFICATION

Capacity	Max. 600 m ³ /hr
Total Head	Max. 80 mH
Impeller Type	Open (special : revers-vane)
Bore	25A ~200A
Rotation	CW (View from drive end)
Sealing system	Non-Seal (Maker standard)
Model Type	M./Seal & Packing (option)
	Metal Vertical Pump

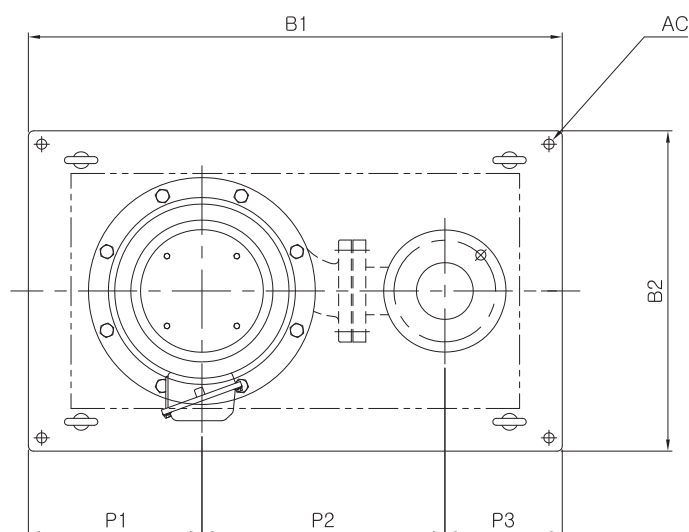
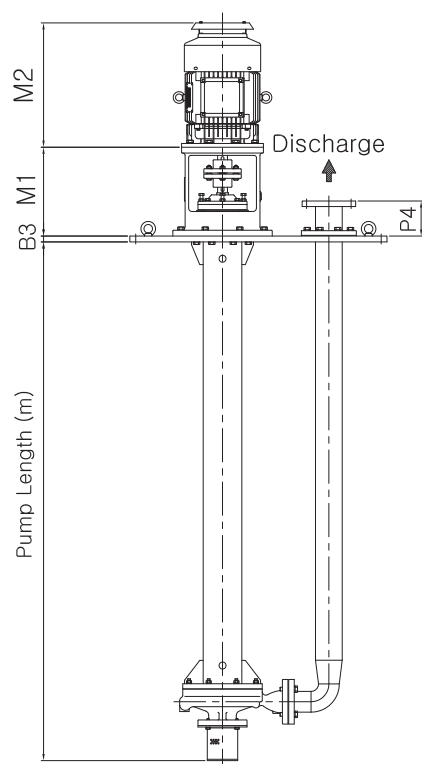
FEATURES

- Simple design and easy handling by vertical type
- Only casing and impeller are installed on lower part
- Structure connected with motor of upper part through the column pipe
- Easy assembly and repair due to the standardized
- Complete standardization with precise forming of all parts

SELECTION CHART

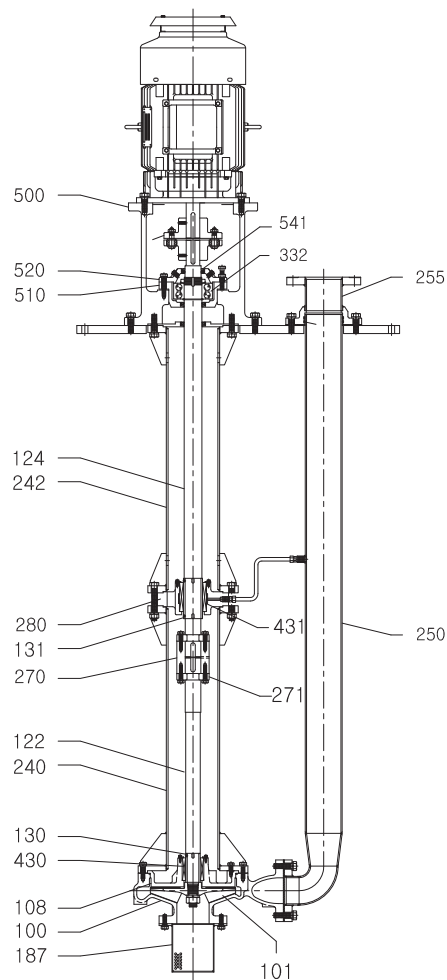


■ OUTLINE DIMENSION



MODEL	DIS.	PUMP				BED			
		P1	P2	P3	P4	B1	B2	B3	AC
KVP 1.5x1-6	40	270	340	190	150	800	550	25	4- ϕ 19
KVP 1.5x1-8	40	270	340	190	150	800	550	25	4- ϕ 19
KVP 2x1-10	40	325	340	185	150	850	600	25	4- ϕ 19
KVP 3x1.5-6	50	270	340	190	150	800	550	25	4- ϕ 19
KVP 3x1.5-8	50	270	340	190	150	800	550	25	4- ϕ 19
KVP 3x1.5-10	50	325	340	185	150	850	600	25	4- ϕ 19
KVP 3x1.5-13	50	375	380	195	150	950	700	25	4- ϕ 19
KVP 3x2-8	80	320	380	200	150	900	650	25	4- ϕ 19
KVP 3x2-10	80	320	380	200	150	900	650	25	4- ϕ 19
KVP 3x2-13	80	370	380	200	150	950	700	25	4- ϕ 19
KVP 4x3-8	100	335	405	210	150	950	700	25	4- ϕ 19
KVP 4x3-10	100	335	405	210	150	950	700	25	4- ϕ 19
KVP 4x3-13	100	390	440	220	150	1050	800	25	6- ϕ 19
KVP 6x4-10	150	400	505	245	150	1150	850	30	6- ϕ 19
KVP 6x4-13	150	400	505	245	150	1150	850	30	6- ϕ 19
KVP 8x6-10	200	435	645	270	200	1350	900	30	8- ϕ 19
KVP 8x6-13	200	435	645	270	200	1350	900	30	8- ϕ 19
KVP 10x8-13	250	480	775	295	200	1550	1050	30	8- ϕ 19
KVP 10x8-15	250	500	800	300	200	1600	1050	30	10- ϕ 19

MOTOR (kW)	M1	M2
0.75	300	284
1.5	300	321
2.2	300	348
3.7	300	362
5.5	300	424
7.5	300	473
11	380	532
15	380	576
185&22	380	595
30	380	633
37	450	706
45	450	756
55	550	764
75	550	855
90	550	855
110	650	965



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	GCD450 / SSC13, 14, 16	A536 Gr.65-45-12 / A743-CF8, CF8M, CF3M
108	CASING COVER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
100	CASING	240	COLUMN PIPE (LOWER)	430	BUSH (LOWER)
101	IMPELLER	242	COLUMN PIPE (UPPER)	431	BUSH (UPPER)
108	CASING COVER	250	DISCHARGE PIPE	500	BEACKET
122	SHAFT (LOWER)	255	DISCHARGE FLANGE	510	BEARING HOUSING
124	SLEEVE (UPPER)	270	LINE COUPLING	520	BEARING COVER
130	SLEEVE (LOWER)	271	LINE COUPLING COVER	541	OIL SEAL (B. COVER)
131	SLEEVE (UPPER)	280	BUSH HOUSING		
187	STRAINER	332	BEARING		

KVMT

VERTICAL MULTI-STAGE PUMP

APPLICATIONS

- Pipeline Boosting
- Refinery Blending
- Chemical Transfer
- Condensate

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex



■ STANDARD SPECIFICATION

Capacity	7.2~200m ³ /hr
Total Head	11.5~250 mH
Temperature	Max. 180°C
Impeller Type	Close Type

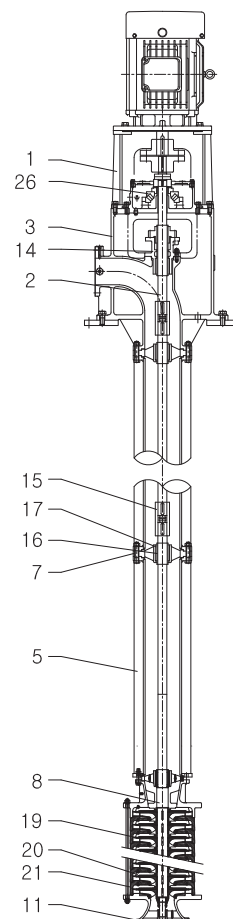
■ FEATURES

- In-line suction and discharge simplifies installation
- Low vibration and noise
- Vertical multi-stage type

■ SECTIONAL

No.	Parts	KS	ASTM
11	SUCTION BELL	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
19	IMPELLER	GCD450 / SSC13, 14, 16	A536 Gr.65-45-12 / A743-CF8, CF8M, CF3M
8	PUMP SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
16	SLEEVE (RETAINER)	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	ASTM
1	MOTOR PEDESTAL	8	PUMP SHAFT	17	BUSH (RETAINER)
2	DRIVE SHAFT	11	SUCTION BELL	19	IMPELLER
3	DISCHARGE HEAD	14	STUFFING BOX	20	INTERSTAGE CASING
5	COLUMN	15	LINE COUPLING	21	STAGE CASING
7	BRG. RETAINER	16	SLEEVE (RETAINER)	26	BEARING



KVMF

VERTICAL MIXED-FLOW PUMP

APPLICATIONS

- General Industrial
- Factory drainage
- Rainwater drainage
- Agriculture

MATERIALS

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



■ STANDARD SPECIFICATION

Capacity	90~10,000m ³ /hr
Total Head	3~130 mH
Temperature	Max. 90°C
Impeller Type	Close Type

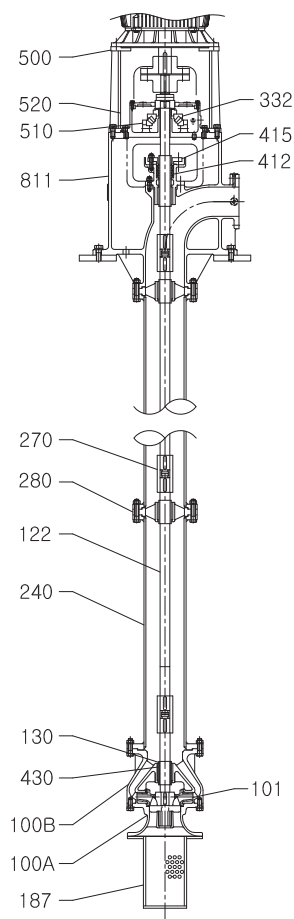
■ FEATURES

- Wide range of application and performance in operation
- Low vibration and noise
- single stage and multi-stage type

■ SECTIONAL

No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	GCD450 / SSC13, 14, 16	A536 Gr.65-45-12 / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
100A	CASING(SUCTION)	240	COLUMN PIPE	430	BUSH
100B	CASING (DISCHARGE)	270	LINE COUPLING	500	BRACKET
101	IMPELLER	280	BUSH HOUSING	510	BEARING HOUSING
122	SHAFT	332	BEARINGBEARING	520	BEARING COVER
130	SLEEVE	412	PACKING	541	DISCHARGE BEND
130	STRAINER	415	PACKING GLAND		



KVMC

VERTICAL CANNED PUMP

APPLICATIONS

- Pipeline Boosting (Low NPSH)
- Refinery Blending
- Chemical Transfer
- Condensate

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304.316.316L)
- Duplex, Super Duplex



■ STANDARD SPECIFICATION

Capacity	7.2~200m3/hr
Total Head	11.5~250 mH
Temperature	Max. 180°C
Impeller Type	Close Type

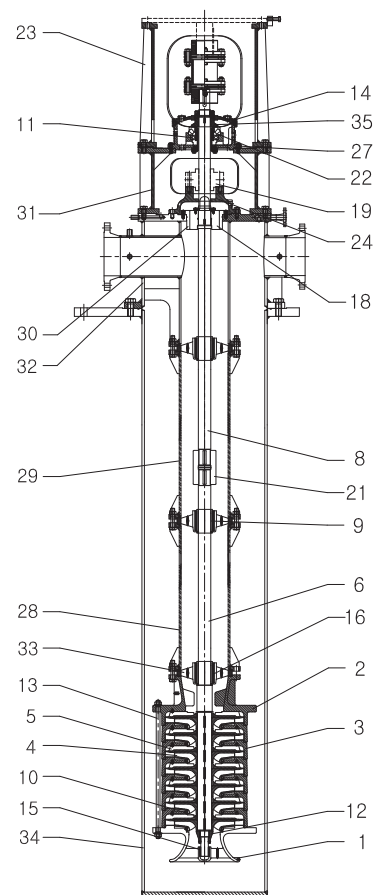
■ FEATURES

- In-line suction and discharge simplifies installation
- Low vibration and noise
- Can type vertical pump
- Operation at low NPSHr

■ SECTIONAL

No.	Parts	KS	ASTM
1	SUCTION CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
3	STAGE CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
4	IMPELLER	GCD450 / SSC13, 14, 16	A536 Gr.65-45-12 / A743-CF8, CF8M, CF3M
6	PUMP SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
9	RETAINER SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
1	SUCTION CASING	12	IMPELLER NUT	24	STUFFING BOX
2	DISCHARGE CASING	13	TIE BOLT	27	BEARING HOUSING
3	STAGE CASING	14	BEARING HOUSING COVER	28	COLUMN PIPE (PUMP)
4	IMPELLER	15	BEARING BUSH (SUCTION CASING)	29	COLUMN PIPE (LINE)
5	INTERSTAGE CASING	16	BEARING BUSH (RETAINER)	30	BALANCR SEAT
6	PUMP SHAFT	18	BALANCE DRUM	31	MIDDLE ADAPTER
8	HEAD SHAFT	19	MECHANICAL SEAL	32	DISCHARGE ELBOW
9	RETAINER SLEEVE	21	MIDDLE COUPLING	33	BEARING RETAINER
10	INTERSTAGE SLEEVE	22	THRUST BEARING	34	SUCTION CAN
11	BALL BEARING	23	MOTOR PEDESTAL	35	BEARING HOLDER



KSP(KSF)

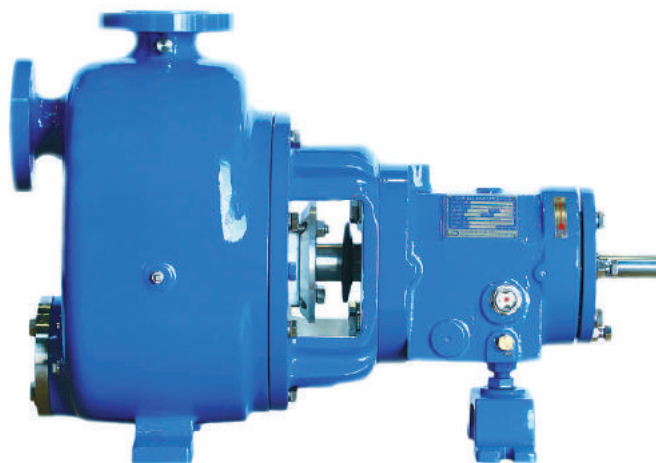
SELF-PRIMING PROCESS PUMP

APPLICATIONS

- Industrial Process
- Chemical Process
- Drainage and other various industries, etc

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless Steel (304,316,316L)
- Duplex, Super Duplex
- Special Alloy (Alloy-20, Hastelloy, Titanium)
- Non-Metal : FRP & CFRP



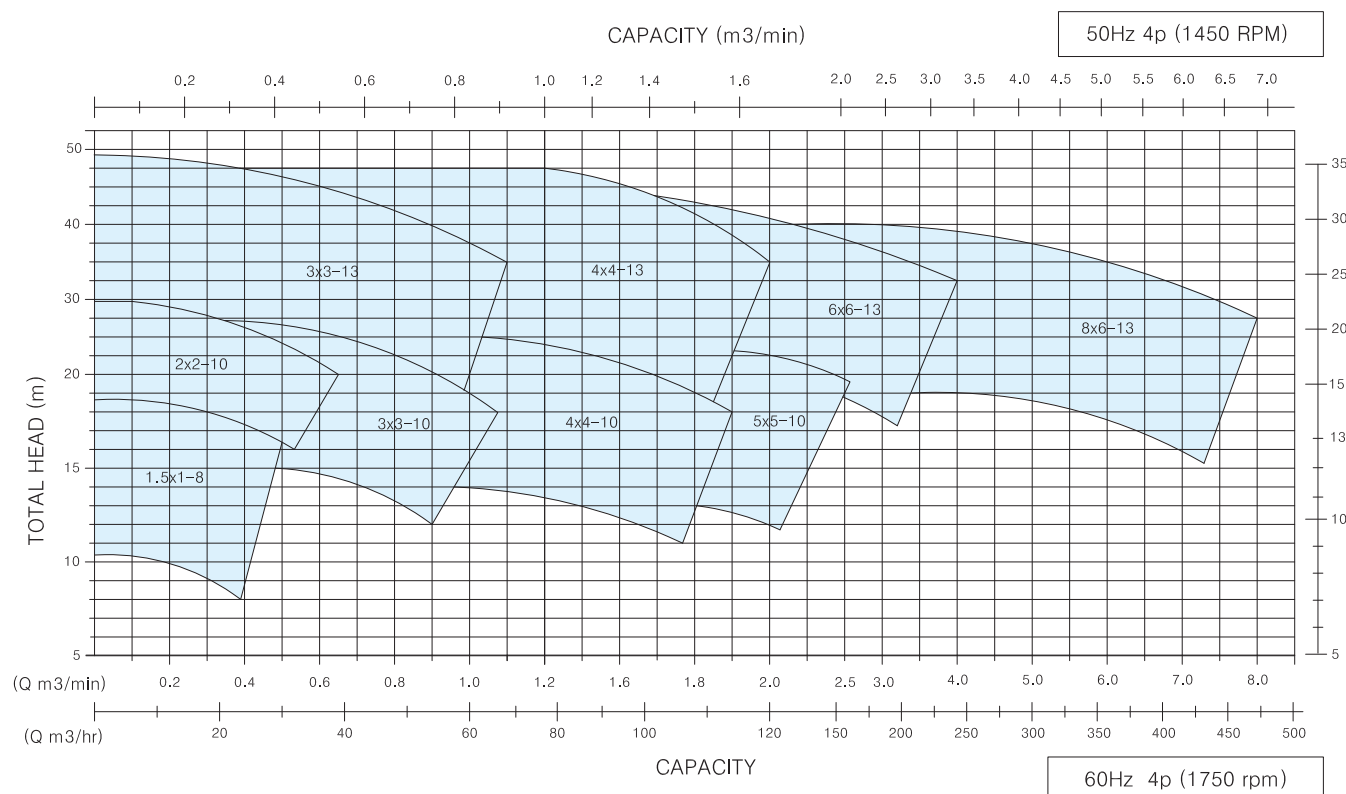
■ STANDARD SPECIFICATION

Capacity	Max. 800 m3/hr
Total Head	Max. 100 mH
Temperature	Max. 150°C
Impeller Type	Open (special : revers-vane)
Bore	25A ~200A
Rotation	CW (View from drive end)

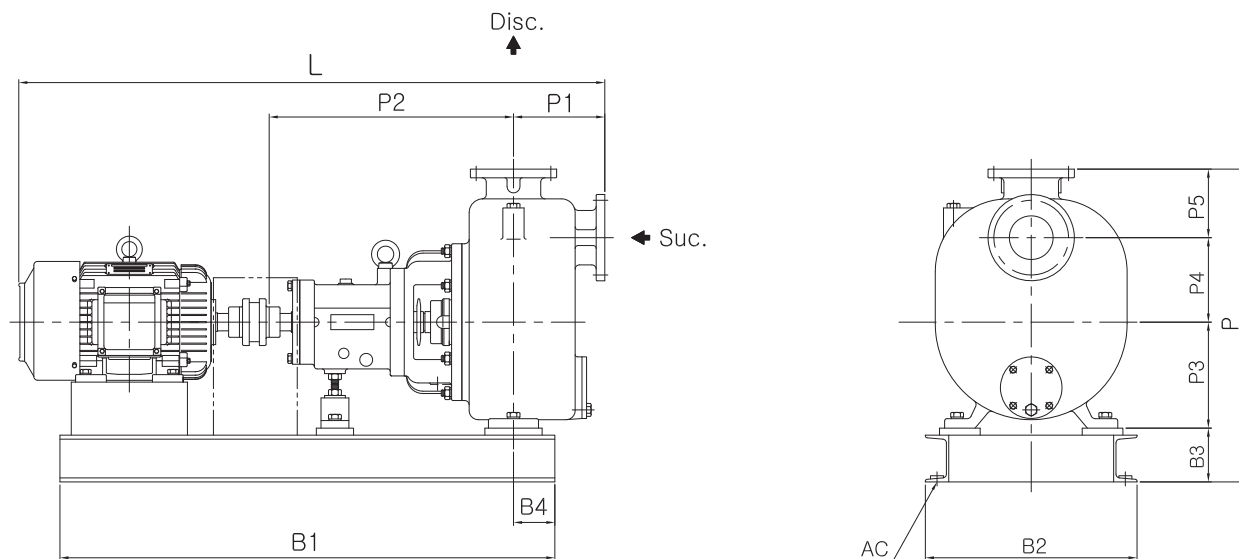
■ FEATURES

- Full compliance with ANSI B73.1M standard
- Self-priming pump driving automatically
- High efficiency over a wide range
- Heavy Duty Design
- Low NPSHr with Open impeller
- Easy assembly with BACK PULL-OUT structure

■ SELECTION CHART

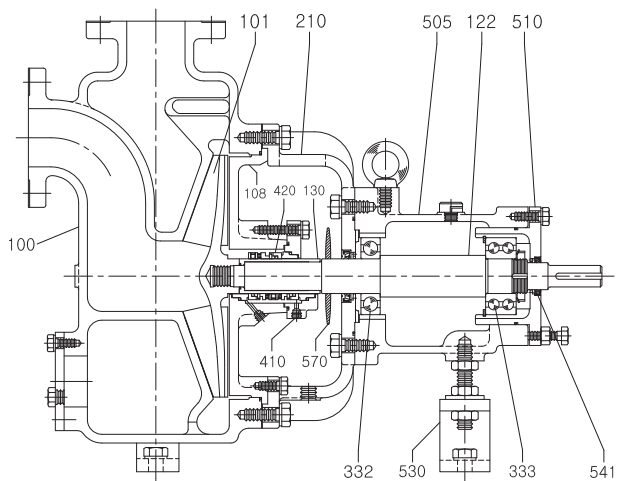


OUTLINE DIMENSION



GROUP	MODEL	BORE		MOTOR (Kw)	PUMP							BED				
		SUC.	DIS.		L	P1	P2	P3	P4	P5	P	B1	B2	B3	B4	Anch.
1-GROUP	1.5x1.5-8	40	40	3.7	995	127	397	145	125	98	453	920	300	85	100	4-Ø15
2-GROUP	2 x 2-10	50	50	5.5	1273	165	560	210	150	130	600	1140	380	110	120	4-Ø19
	3 x 3-10	80	80	7.5	1335	180	570	254	170	140	679	1190	420	115	120	4-Ø19
	3 x 3-13	80	80	15	1474	175	570	254	190	160	719	1320	500	115	120	6-Ø19
	4 x 4-10	100	100	18.5	1558	240	570	254	190	160	719	1320	420	115	120	6-Ø19
	4 x 4-13	100	100	30	1596	240	570	254	220	190	779	1360	500	115	120	6-Ø19
	5 x 5-10	125	125	37	1773	245	600	254	220	185	814	1560	580	155	170	6-Ø19
3-GROUP	6 x 6-13	150	150	45	1833	255	600	284	265	200	894	1610	580	145	170	6-Ø19
	8 x 6-13	200	150	55	2212	380	800	370	265	290	1070	1920	650	145	250	6-Ø24

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	BC6 / SSC13, 14, 16	B584-C836 / A743-CF8, CF8M, CF3M
101	IMPELLER	BC6 / SSC13, 14, 16	B584-C836 / A743-CF8, CF8M, CF3M
108	CASING COVER	BC6 / SSC13, 14, 16	B584-C836 / A743-CF8, CF8M, CF3M
122	SHAFT	STS316L / STS304, 316	A479-316L / A479-304, 316
130	SLEEVE	STS316L / STS304, 316	A479-316L / A479-304, 316

No.	Parts	No.	Parts	No.	Parts
100	CASING	210	ADAPTER	505	BRACKET
101	IMPELLER	332	BEARING (Radial)	510	BEARING HOUSING
108	CASING COVER	333	BEARING (Thrust)	530	SUPPORT
122	SHAFT	410	SEAL GLAND	541	OIL SEAL (B. HOUSING)
130	SLEEVE	420	MECH. SEAL	570	DEFLECTOR

KIL

IN-LINE PUMP

APPLICATIONS

- Water Supply
- Heating, Cooling
- Industrial Processes

MATERIALS

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



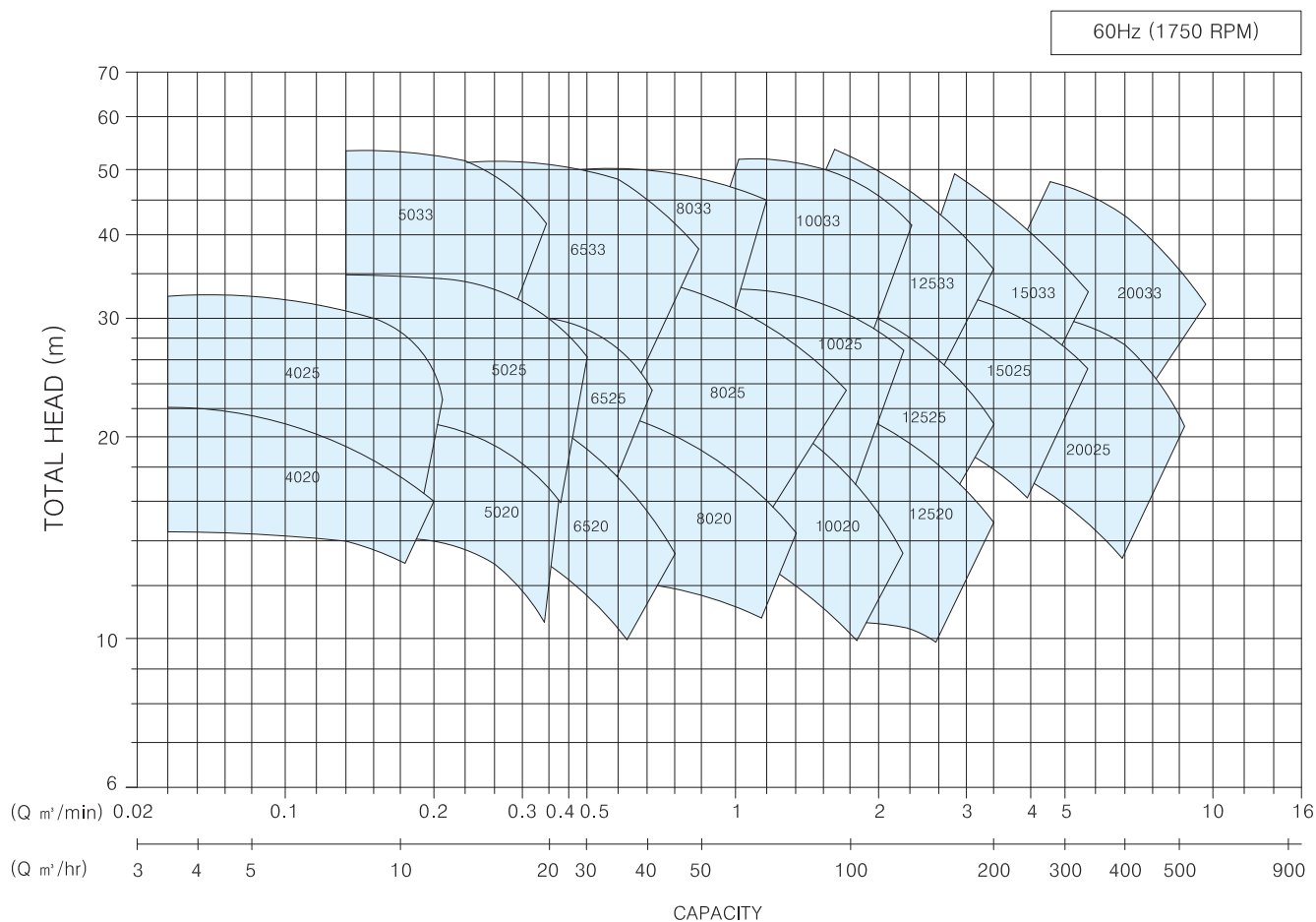
STANDARD SPECIFICATION

Capacity	5~900m ³ /hr
Total Head	5~90 mH
Temperature	Max. 150°C
Impeller Type	Close Type
Rotation	CW (View from drive end)

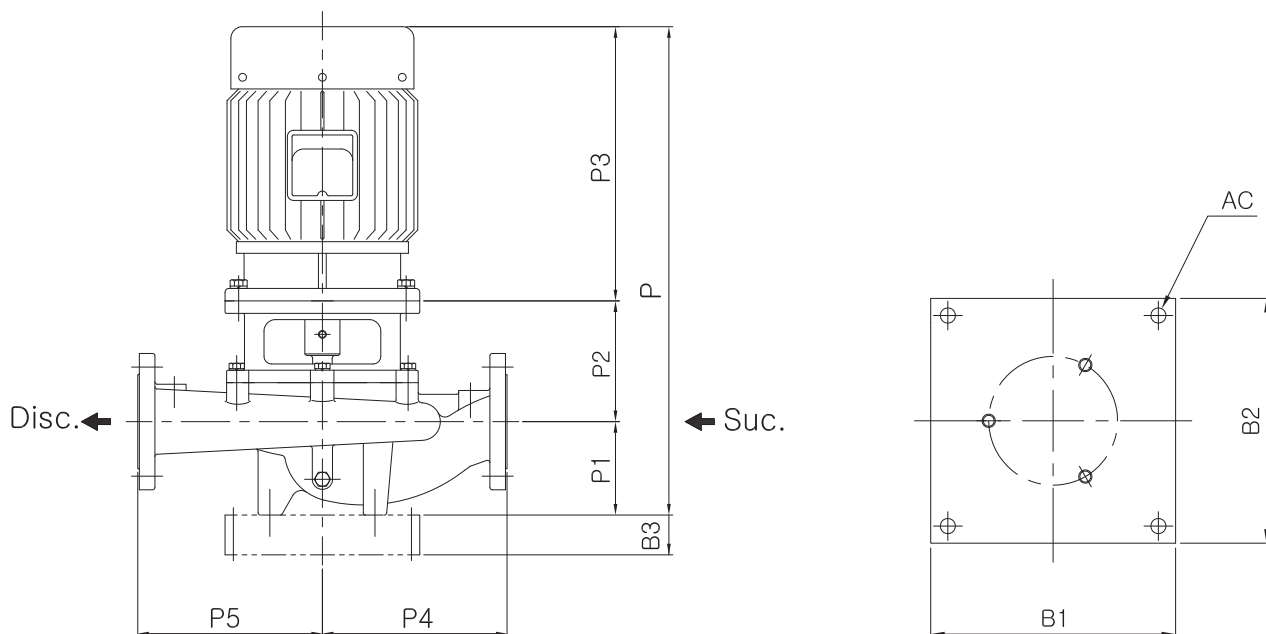
FEATURES

- Wide range of application and performance in operation
- Low vibration and noise
- Vertical In-line type pump

SELECTION CHART

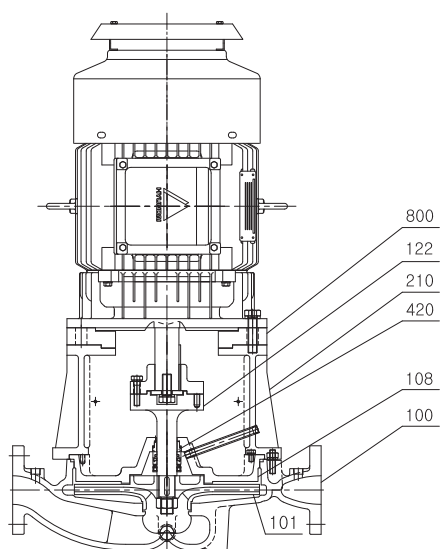


■ OUTLINE DIMENSION



MODEL	BORE		MOTOR (Kw)	PUMP						BED			
	SUC.	DIS.		P1	P2	P3	P4	P5	P	B1	B2	B3	Anch.
KIL 2 x 2 - 10	50	50	1.5	105	216	322	240	240	643	300	300	30	4-Φ15
KIL 2 x 2 - 13	50	50	15	110	284	576	270	270	970	300	300	30	4-Φ15
KIL 3 x 3 - 8	80	80	7.5	160	210	473	260	260	843	300	300	80	4-Φ15
KIL 3 x 3 - 13	80	80	15	160	280	530	330	330	970	450	450	30	4-Φ26
KIL 3 x 3 - 14	80	80	22	160	280	595	330	330	1035	450	450	30	4-Φ26

■ SECTIONAL



No.	Parts	KS
100	CASING	BC6
101	IMPELLER	BC6
108	CASING COVER	BC6
122	SHAFT	STS316L

No.	Parts	No.	Parts	No.	Parts
100	CASING	122	SHAFT	800	MOTOR PLATE
101	IMPELLER	210	ADAPTER		
108	CASING COVER	420	MECH. SEAL		

KSW

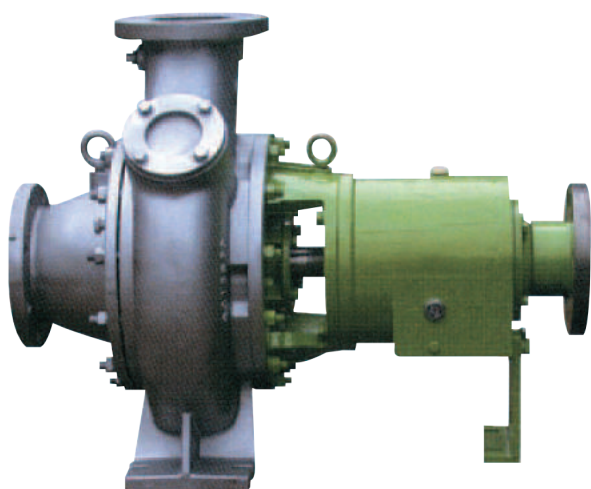
NON-CLOG SCREW CENTRIFUGAL PUMP

APPLICATIONS

- Sewage, wastewater treatment plant
- Pulp & Paper transportation
- High-density slurry transportation

MATERIALS

- Cast Iron
- Carbon Steel
- Stainless (304,316,316L)
- High chrome cast iron (Hi-Cr)
- Special Alloy (Duplex, Alloy-20, Hastelloy)



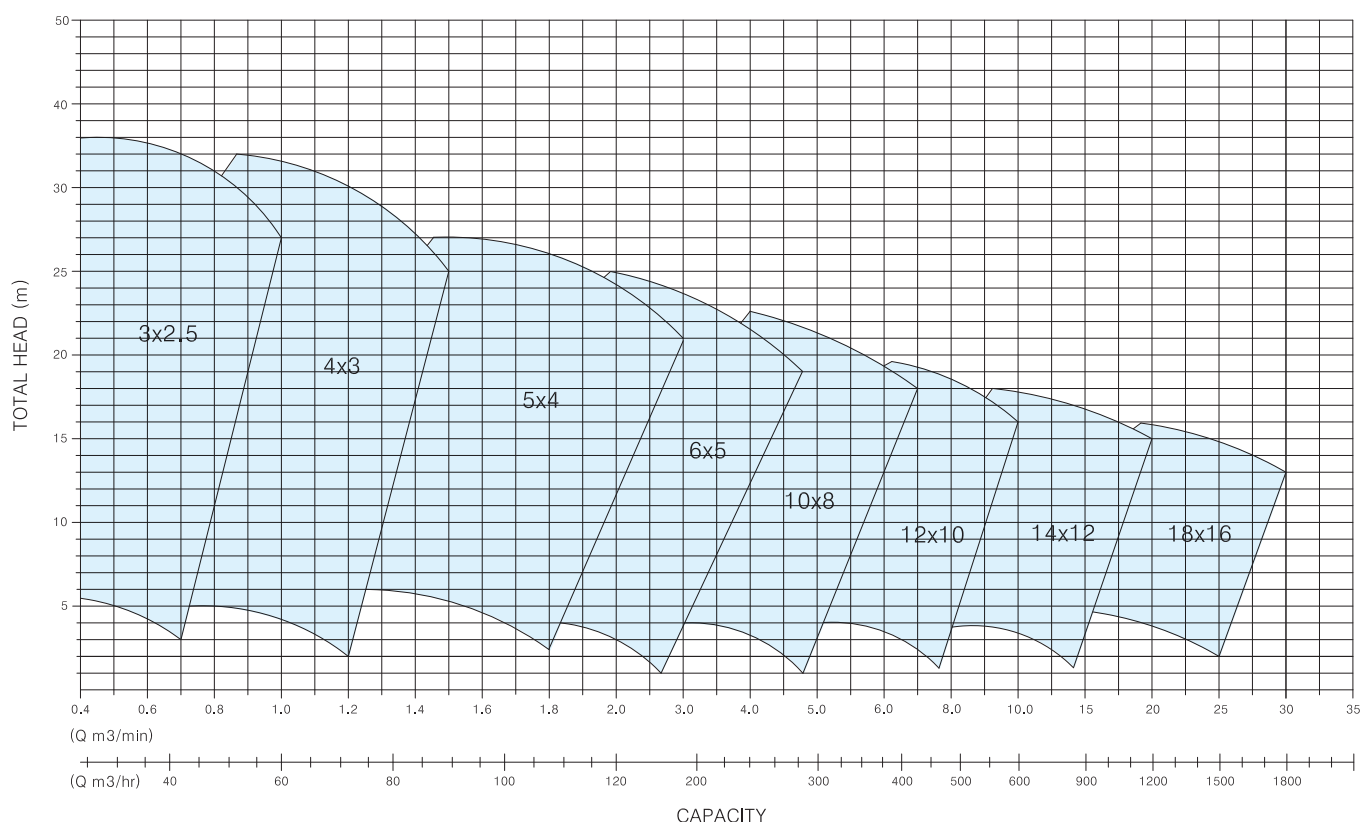
■ STANDARD SPECIFICATION

Capacity	Max. 2000 m ³ /hr
Total Head	Max. 40 mH
Temperature	Non-Clog Screw
Impeller Type	Close Type
Bore	80A ~ 400A
Rotation	CW (View from drive end) Driving by change of number of rotations (V-Belt Standrd)

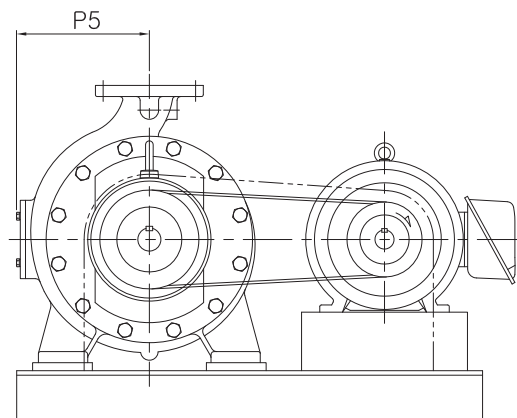
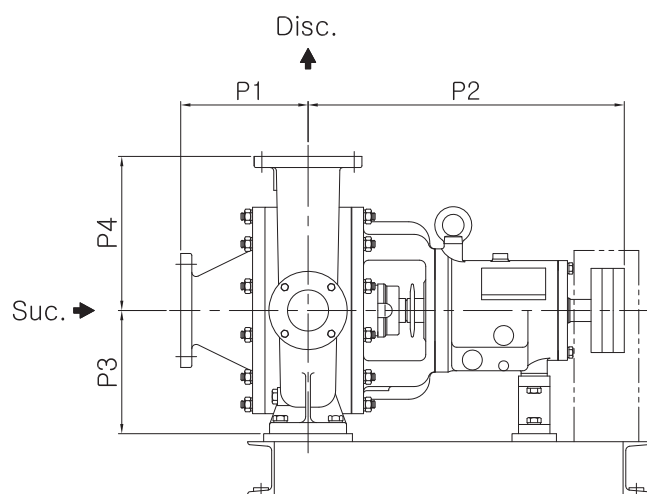
■ FEATURES

- Screw impeller structure can transfer every solid without blocking In case of repair-maintenance
- It is possible to confirm inside of casing through inspection hole on the casing· Low vibration and noise
- Heavy Duty Design
- Easy assembly with BACK PULL-OUT structure

■ SELECTION CHART

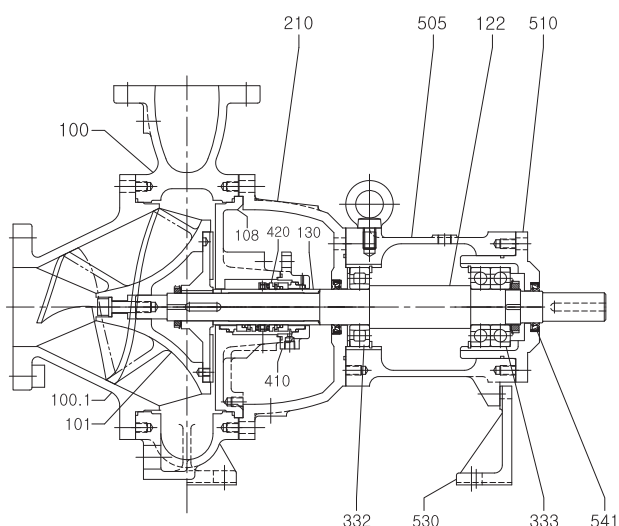


OUTLINE DIMENSION



MODEL	BORE		PUMP				
	SUC.	DIS.	P1	P2	P3	P4	P5
KSW 3 x 2.5	80	65	180	525	180	225	200
KSW 4 x 3	100	80	195	550	225	280	250
KSW 5 x 4	125	100	220	550	225	280	250
KSW 6 x 5	150	125	240	560	250	315	290
KSW 8 x 6	200	150	300	660	315	400	350
KSW 10 x 8	250	200	320	710	350	450	350
KSW 12 x 10	300	250	370	750	375	485	400
KSW 14 x 12	350	300	400	850	400	520	480
KSW 18 x 16	450	400	560	1130	720	630	800

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	SSC13 / SSC14, 16	A743-CF8 / A743-CF8M, CF3M
108	CASING COVER	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
100	CASING	130	SLEEVE	420	MECH. SEAL
101.1	SUCTION COVER	210	ADAPTER	505	BRACKET
101	IMPELLER	332	BEARING (Radial)	510	BEARING HOUSING
108	CASING COVER	333	BEARING (Thrust)	530	SUPPORT
122	SHAFT	410	SEAL GLAND	541	OIL SEAL (B. HOUSING)

KWM KMR

KWV KMVR

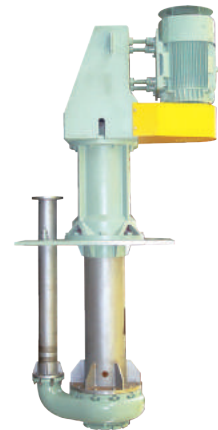
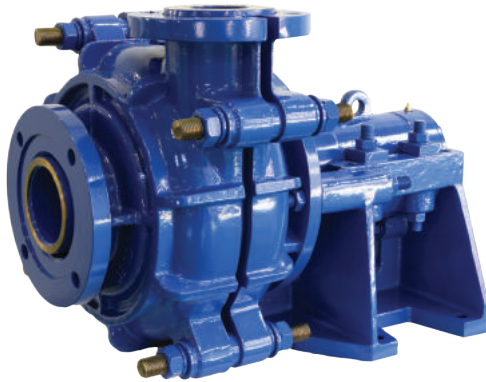
NON-CLOG ABRASIVE SLURRY PUMP

APPLICATIONS

- Thermoelectric Power Plant
- Picking up & sand & gravel
- Bottom Boiler Fly Ash
- Paper and Pulp

MATERIALS

- High Chrome Alloy
- Natural Rubber



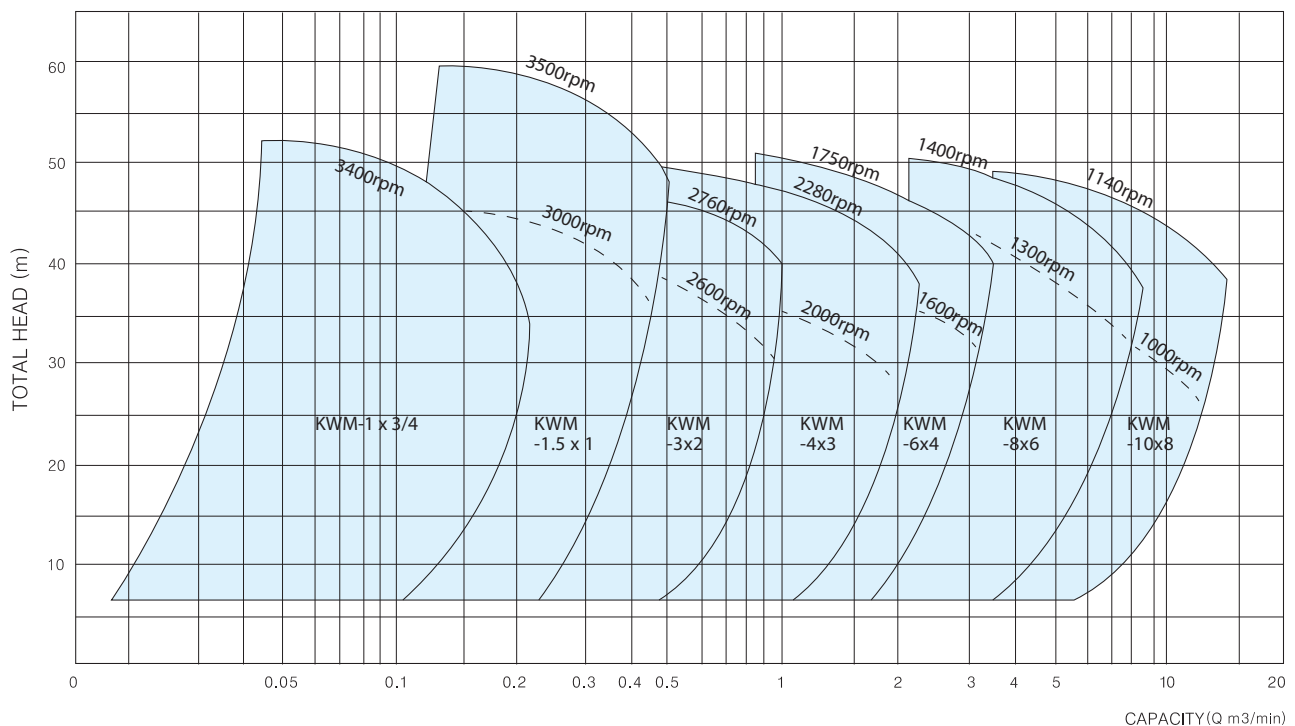
■ STANDARD SPECIFICATION

Capacity	7500 m ³ /hr
Total Head	~90mH
Impeller Type	Non-clog (open&close)

■ FEATURES

- Heavy duty pumps with hard metal and elastomer lined pumps
- Designed for a wide range of slurry and process Applications
- Horizontal & Vertical type, Metal & Rubber type
- KWM - Horizontal Metal
- KWR - Horizontal Rubber
- KWV - Vertical Metal
- KMVR - Vertical Rubber

■ SELECTION CHART



KFP

FRP (FIBERGLASS REINFORCED PLASTICS) PROCESS PUMP

APPLICATIONS

- Industrial & Chemical Process
- Petrochemical Industry
- Transportation of various chemicals (HCl, NaOCl, HF, Seawater etc.)

MATERIALS

- FRP(Fiberglass Reinforced Plastics) with high corrosion resistance and heat-resisting property
- FRP & CFRP (Carbon graphite Fiberglass)



■ STANDARD SPECIFICATION

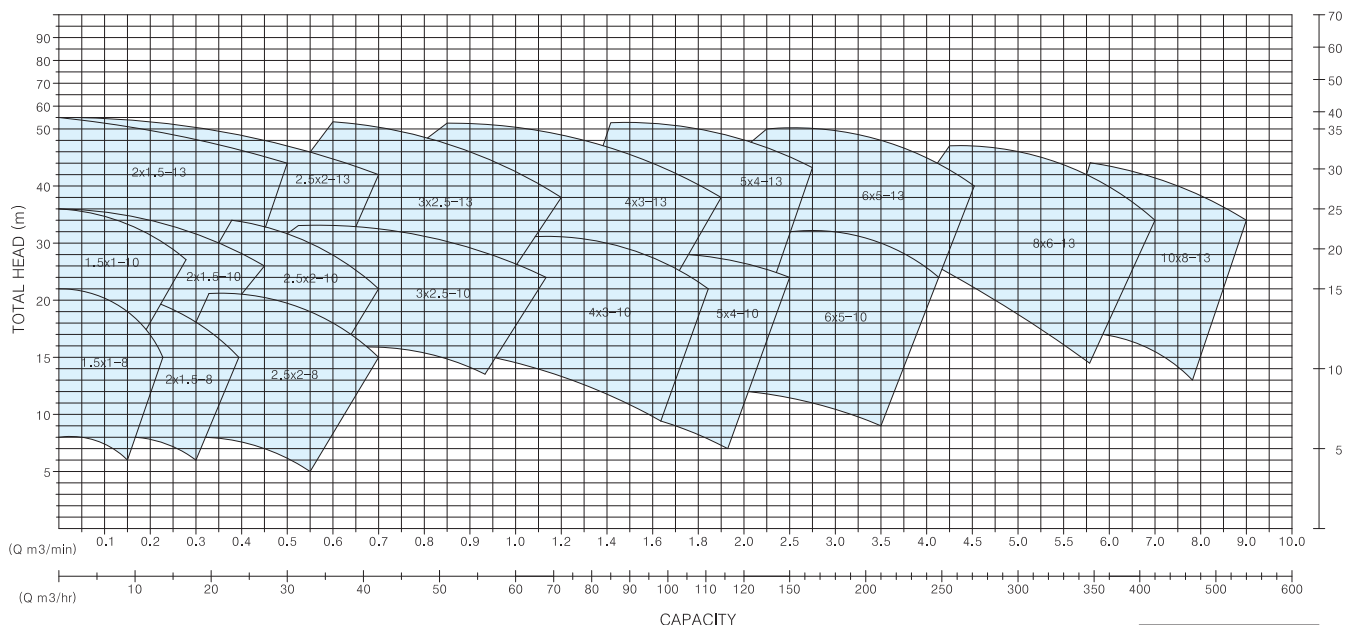
Capacity	Max. 600 m3/hr
Total Head	Max. 60 mH
Temperature	Max. 110°C
Impeller Type	Semi-Open
Bore	25A ~250A
Rotation	CW (View from drive end)
Sealing system	Mechanical Seal
	Single seal
	Double seal

■ FEATURES

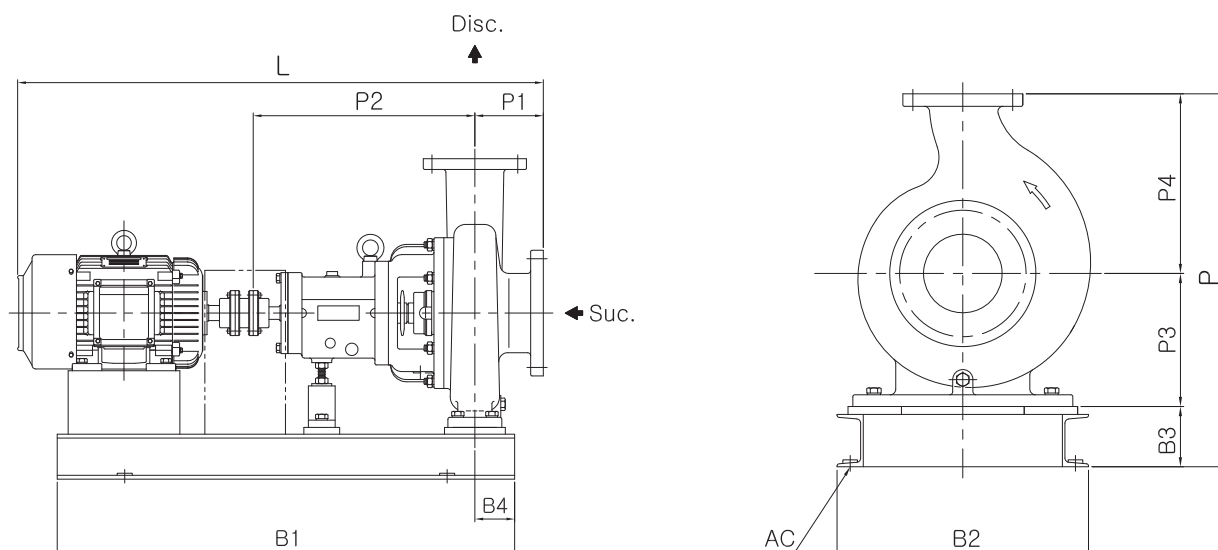
- High corrosion resistance
- Complete standardization with precise forming of all parts
- High efficiency over a wide range
- Low NPSH_{re} with Open impeller
- Easy assembly with BACK PULL-OUT structure

■ SELECTION CHART

50Hz 4p (1450RPM)

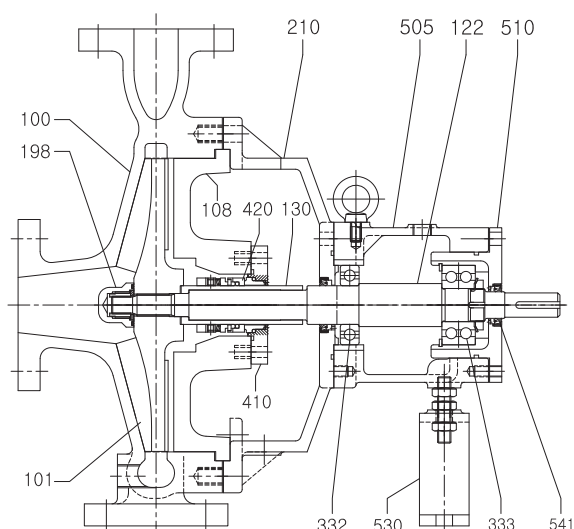


OUTLINE DIMENSION



GROUP	MODEL	BORE		MOTOR (Kw)	PUMP						BED				
		SUC.	DIS.		L	P1	P2	P3	P4	P	B1	B2	B3	B4	Anch.
1-GROUP	1.5x1-8	40	25	0.75	887	100	420	170	235	490	840	320	85	75	4-Φ15
	1.5x1-10	40	25	1.5	954	125	420	200	250	535	890	410	85	85	4-Φ15
	2x1.5-8	50	40	2.2	977	100	420	170	235	490	910	320	85	75	4-Φ15
	2x1.5-10	50	40	3.7	1016	125	420	200	250	535	930	410	85	85	4-Φ15
	2.5x2-8	65	50	5.5	1068	100	420	170	235	490	950	320	85	75	4-Φ15
2-GROUP	2.5x2-10	65	50	7.5	1130	125	420	200	250	535	1000	410	85	85	4-Φ15
	2x1.5-13	50	40	5.5	1224	125	540	260	320	690	1120	430	110	100	4-Φ19
	2.5x2-13	65	50	7.5	1272	125	540	260	320	690	1160	430	110	100	4-Φ19
	3x2.5-10	80	65	11	1350	125	540	225	280	615	1210	410	110	90	4-Φ19
	3x2.5-13	80	65	11	1372	125	540	260	320	690	1250	430	110	100	4-Φ19
	4x3-10	100	80	15	1394	125	540	225	280	615	1260	410	110	90	4-Φ19
	4x3-13	100	80	22	1435	125	540	280	355	745	1290	430	110	100	4-Φ19
	5x4-10	125	100	15	1431	140	540	260	320	690	1290	430	110	100	4-Φ19
	5x4-13	125	100	22	1466	140	540	280	355	745	1290	480	110	100	4-Φ19
	6x5-10	150	125	22	1466	140	540	280	355	745	1290	480	110	100	4-Φ19
	6x5-13	150	125	30	1504	140	540	280	400	790	1360	520	110	110	6-Φ19
3-GROUP	8x6-13	200	150	45	1909	180	700	330	425	895	1720	640	140	130	6-Φ24
	10x8-13	250	200	55	1932	200	700	350	450	940	1700	640	140	130	6-Φ24

SECTIONAL



No.	Parts	KS
100	CASING	FRP
101	IMPELLER	FRP
108	CASING COVER	FRP
122	SHAFT	STS 316L
130	SLEEVE	FRP

No.	Parts	No.	Parts	No.	Parts
100	CASING	198	IMPELLER CAP NUT	420	MECH. SEAL
101	IMPELLER	210	ADAPTER	505	BRACKET
108	CASING COVER	332	BEARING (Radial)	510	BEARING HOUSING
122	SHAFT	333	BEARING (Thrust)	530	SUPPORT
130	SLEEVE	410	SEAL GLAND	541	OIL SEAL (B. HOUSING)

KVF

VERTICAL FRP SUMP PROCESS PUMP

APPLICATIONS

- Industrial Process
- Chemical Process
- Water treatment and other industry
- Circulation pump for scrubber

MATERIALS

- Non-Metal : FRP & CFRP



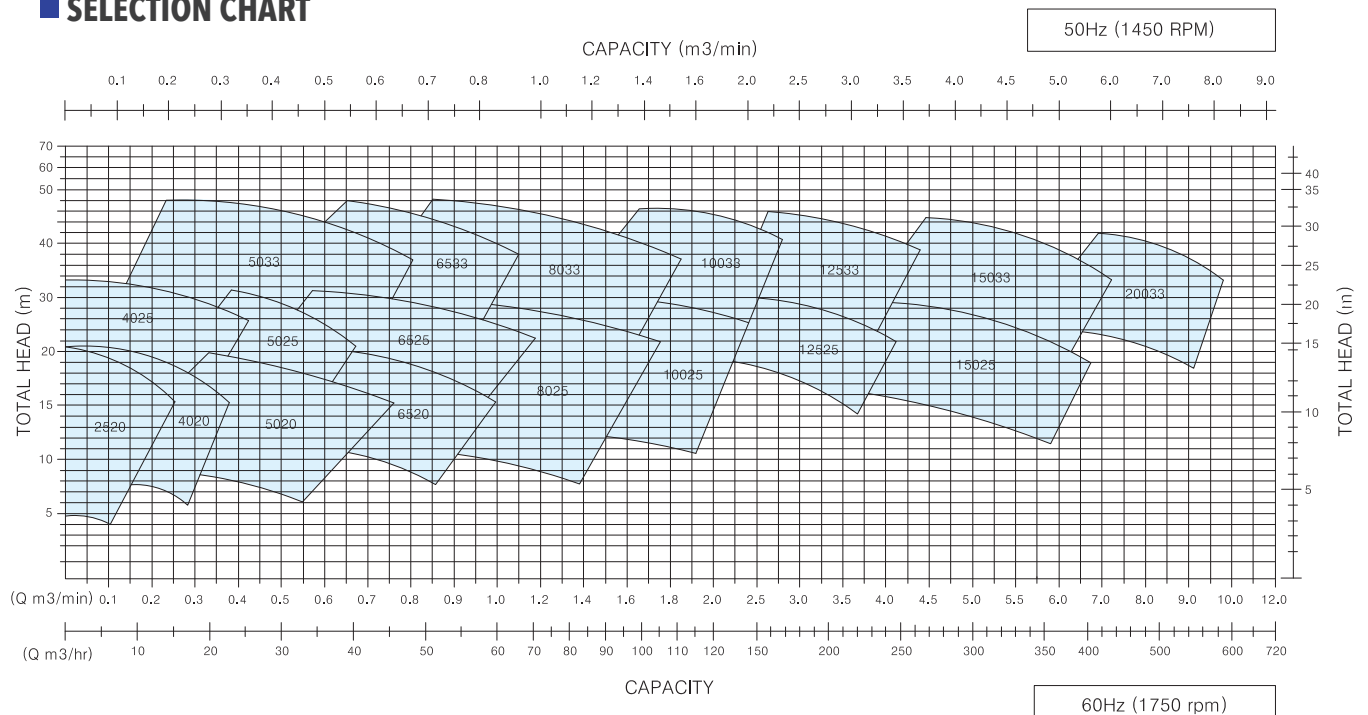
■ STANDARD SPECIFICATION

Capacity	Max. 600 m ³ /hr
Total Head	Max. 80 mH
Impeller Type	Open (special : revers-vane)
Bore	25A ~200A
Rotation	CW (View from drive end)
Sealing system	Non-Seal (Maker standard) M./Seal & Packing (option)
Model Type	FRP Vertical Pump

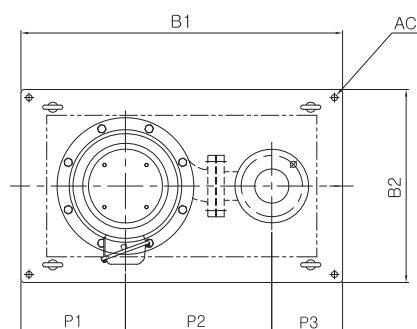
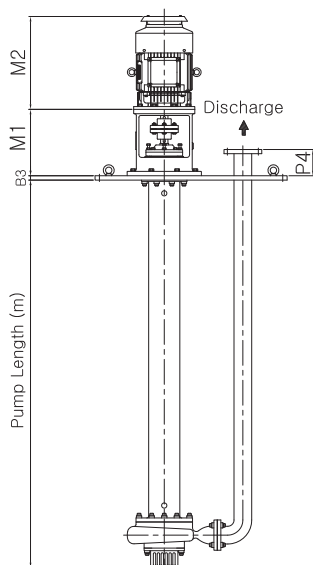
■ FEATURES

- Simple design and easy handling by vertical type
- Only casing and impeller are installed on lower part
- Structure connected with motor of upper part through the column pipe
- Easy assembly and repair due to the standardized
- Complete standardization with precise forming of all parts

■ SELECTION CHART



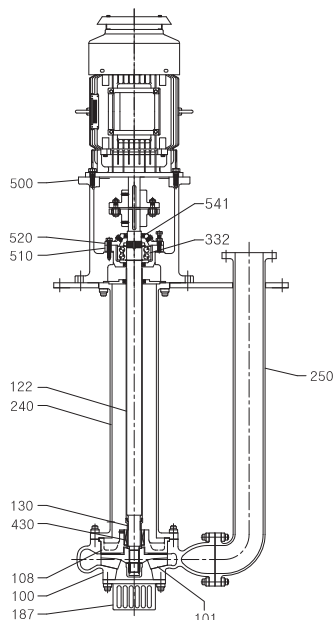
OUTLINE DIMENSION



MODEL	DIS.	PUMP				BED			
		P1	P2	P3	P4	B1	B2	B3	AC
KVF 2520	25	250	330	120	150	700	500	25	4-ø19
KVF 4020	40	250	330	120	150	700	500	25	4-ø19
KVF 4025	40	260	360	130	150	750	550	25	4-ø19
KVF 5020	50	250	330	120	150	700	500	25	4-ø19
KVF 5025	50	260	360	130	150	750	550	25	4-ø19
KVF 5033	50	330	450	120	150	900	650	25	4-ø19
KVF 6520	65	270	350	130	150	750	550	25	4-ø19
KVF 6525	65	300	400	150	150	850	600	25	4-ø19
KVF 6533	65	330	465	155	150	950	650	25	4-ø19
KVF 8025	80	290	430	130	150	850	600	25	4-ø19
KVF 8033	80	330	465	155	150	950	650	25	4-ø19
KVF 10025	100	300	450	150	150	900	650	25	6-ø19
KVF 10033	100	350	500	150	150	1000	700	25	6-ø19
KVF 12525	125	320	450	180	150	950	650	25	6-ø19
KVF 12533	125	350	500	150	150	1000	700	25	6-ø19
KVF 15025	150	370	550	180	150	1100	700	30	6-ø19
KVF 15033	150	370	600	180	150	1150	700	30	6-ø19
KVF 20033	200	400	600	200	200	1200	800	30	6-ø19

MOTOR (kW)	M1	M2
0.75	300	284
1.5	300	321
2.2	300	348
3.7	300	362
5.5	300	424
7.5	300	473
11	380	532
15	380	576
185&22	380	595
30	380	633
37	450	706
45	450	756
55	550	764
75	550	855
90	550	855
110	650	965

SECTIONAL



No.	Parts	KS	ASTM
100	CASING	GC250 / SSC13, 14, 16	A48-CL35(B) / A743-CF8, CF8M, CF3M
101	IMPELLER	GCD450 / SSC13, 14, 16	A536 Gr.65-45-12 / A743-CF8, CF8M, CF3M
122	SHAFT	SM45C / STS304, 316, 316L	A576-1045 / A479-304, 316, 316L
130	SLEEVE	STS304 / STS316, 316L	A479-304 / A479-316, 316L

No.	Parts	No.	Parts	No.	Parts
100A	CASING(SUCTION)	240	COLUMN PIPE	430	BUSH
100B	CASING(DISCHARGE)	270	LINE COUPLING	500	BRACKET
101	IMPELLER	280	BUSH HOUSING	510	BEARING HOUSING
122	SHAFT	332	BEARINGBEARING	520	BEARING COVER
130	SLEEVE	412	PACKING	541	DISCHARGE BEND
130	STRAINER	415	PACKING GLAND		



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