C 1514E C

ISO 9001 | ISO14001 | OHSAS 18001

HYOSUNG GOODSPRINGS INC.

CFP

C-series foot support process pump

ISO2858 ISO5199

www.hsgoodsprings.com

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FAX : 82-55-268-7947

Global Excellence, Hyosung Pump & Water

HYOSUNG GOODSPRINGS INC.

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This brochure does not contain all informations and any warranty or guarantee of any kind.
Also, all informations herein is subject to change without notice.

CFP

효성굿스프링스 CFP(OH1 Type)는 단단, 편흡입, Foot Support, 수평구조로 설계되어 있으며, 화학공업, 석유화학공업, 석유정제 및 여러 산업분야에 널리 사용되고 있습니다. 효성굿스프링스의 고효율 Process Pump CFP는 화학공업, 석유화학공업, 산업용의 분야에 있어 최적의 System구성은 물론, Low-Cost Operation을 약속드립니다.

HYOSUNG GOODSPRINGS Process Pump Model CFP(OH1 Type) of single stage, end suction, foot supported, horizontal type have been widely used in chemical industry, petroleum refineries, the petrochemical industry and other various industries for long years. Many improvement have been recently made on this pump to enhance its performance. Our modern mass production facilities enable to us to pass the cost-savings on you.

Designation

CFP	25	–	130
모델 Model	토출구경 Norminal Discharge Dia(mm)		회전차직경 Impeller Diameter(mm)

Applications

- 화학 공업용(Chemical Industry)
- 석유정제 공업용(Petroleum Refineries)
- 석유화학 공업용(Petrochemical Industry)
- 기타 산업용(Other Various Industries)

Rating

Capacity	To 24 m^3/min (3170 USGPM)
Heads	To 140 m (470 ft)
Discharge Pressure	To 16 kgf/cm^2G (230 PSIG) {1.57MPa}
Max. allowable Suction Pressure	To 9 kgf/cm^2G (130 PSIG) {0.88MPa}
Hydrostatic Test Pressures	To 24 kgf/cm^2G (340 PSIG) {2.3MPa}
Speeds	50 Hz 1450 or 2950 min^{-1}
	60 Hz 1750 or 3550 min^{-1}
Max.allowable Revolutions	To 3600 min^{-1}
Rotation	Clockwise viewed from inboard side
Impeller Type	Enclosed
Temperatures	Stainless Steel : -50 °C to 200 °C(-58 °F to 392 °F)
	Cast Steel : -5 °C to 200 °C(-23 °F to 392 °F)
Flanges	Stainless Steel : ANSI 150
	Cast Steel : ANSI 150lb
Nozzles	End-Top
Stuffing Box	Suitable for conventional packing and mechanical seal

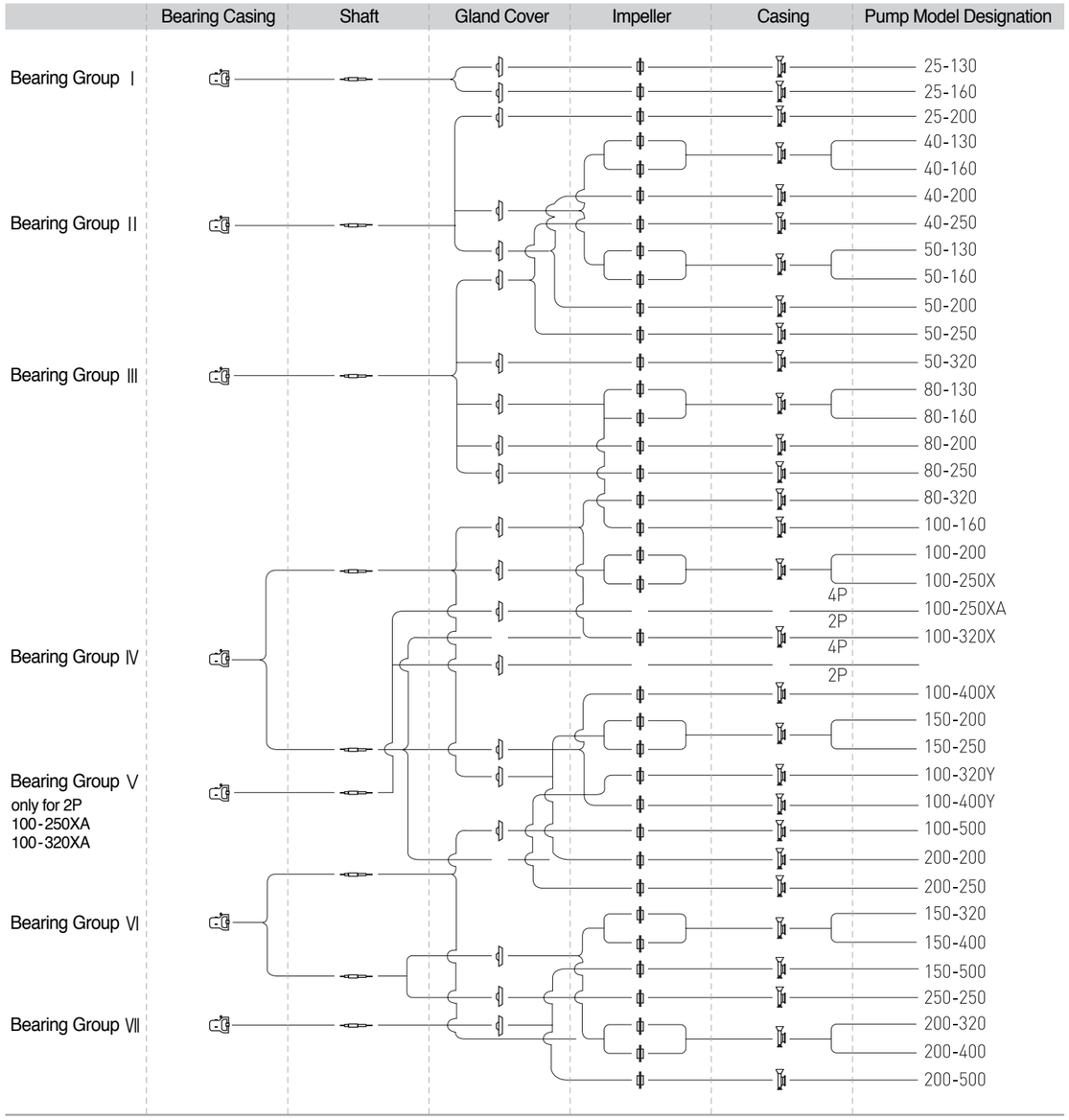
Features

- Foot support overhung
- Back pull-out casing
- Full compliance with ISO 2858, ISO 5199 specifications
- All components have been designed for maximun parts interchangeability
- Flexibility of design handles wide range of liquids
- Low NPSH performance

Interchangeability

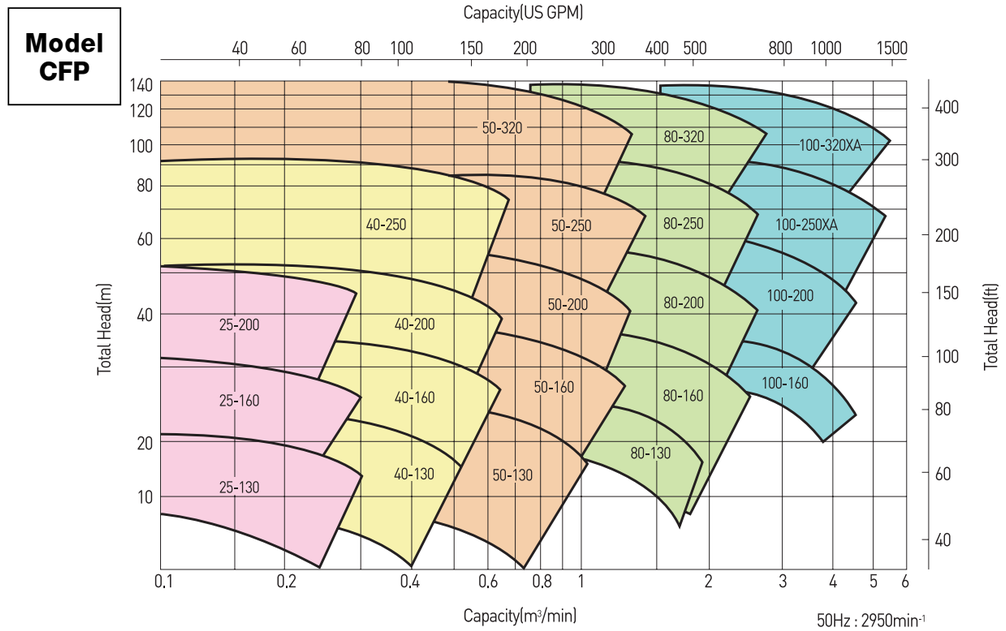
Pump Model 간 부품의 완벽한 호환성을 제공하며, 요구사양에 가장 적합한 펌프를 선정할 수 있습니다.

Availability in modules provides complete interchangeability of components between different types and permits pump selections best suited for the given specifications.

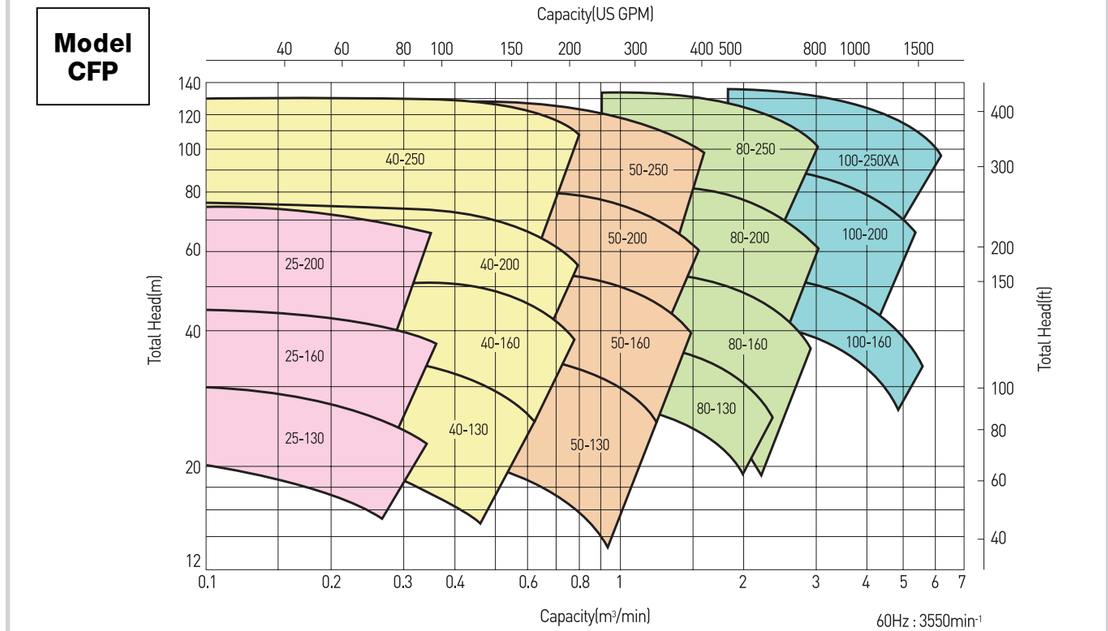


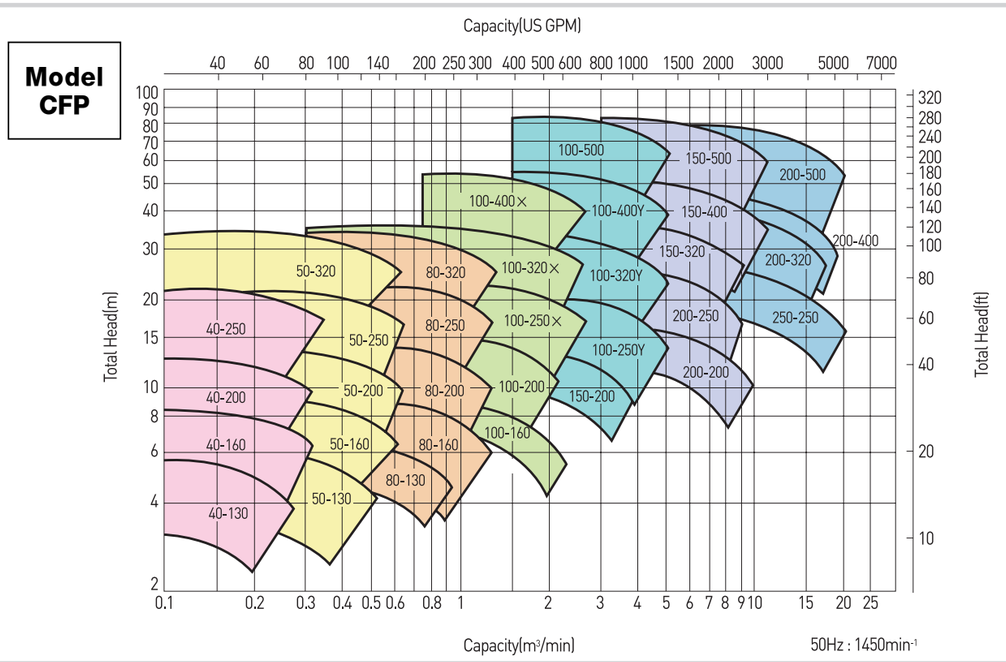
Selection Chart

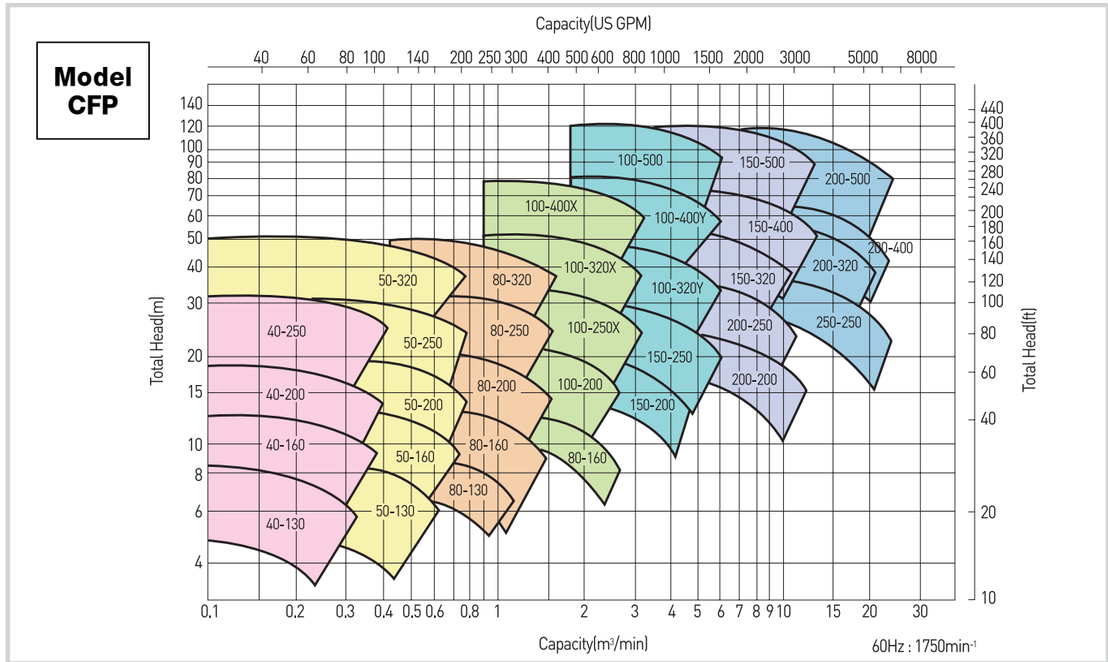
50Hz



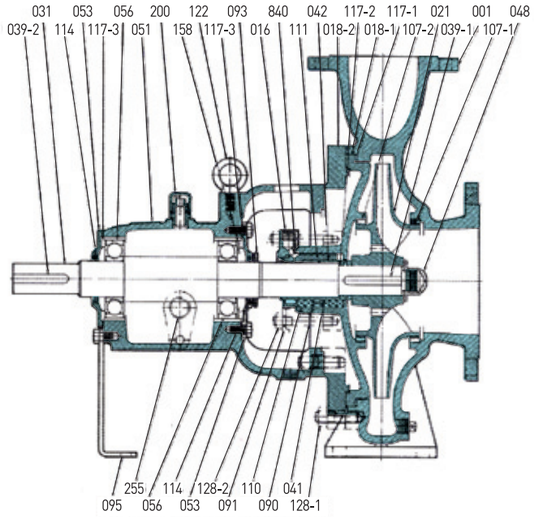
60Hz







Sectional Drawing of
Standard Type
(Stainless Steel, Cast Steel)



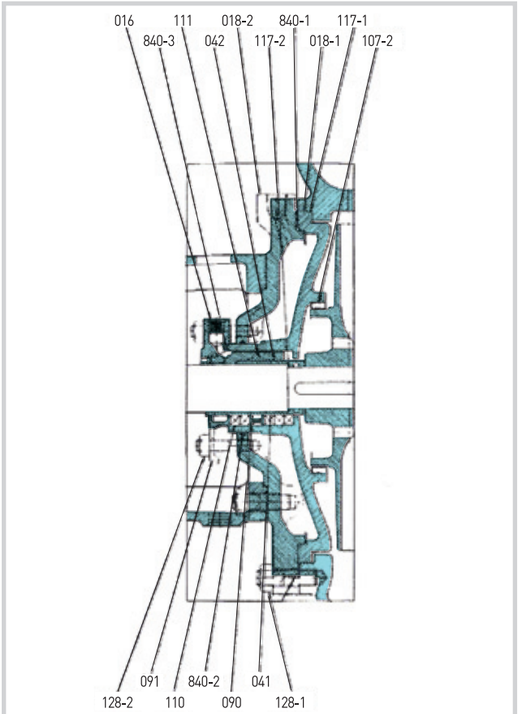
Part List

No.	부품명 / Name of part
001	케이싱 / Casing
016	씨일 커버 / Seal Cover
018-1	글랜드 커버(I) / Gland Cover(I)
018-2	글랜드 커버(II) / Gland Cover(II)
021	회전차 / Impeller
031	주축 / Shaft
039-1	회전차 키 / Impeller Key
039-2	커플링 키 / Coupling Key
041	패킹부 슬리브 / Packing Sleeve
042	메카니컬 씨일 슬리브 / Mechanical Seal Sleeve
048	회전차 너트 / Impeller Nut
051	베어링 하우징 / Bearing Housing
053	베어링 커버 / Bearing Cover
056	볼 베어링 / Ball Bearing
066	냉각 커버 / Cooling Cover
090	랜턴 링 / Lantern Ring
091	패킹 누르개 / Packing Gland
093	수절링 / Flinger
095	지지각 / Stay
107-1	라이너 링 / Liner Ring
107-2	라이너 링 / Liner Ring
110	글랜드 패킹 / Gland Packing
111	메카니컬 씨일 / Mechanical Seal
114	오일 씨일 / Oil Seal
117-1	케이싱용 SHEET GASKET / Sheet Gasket
117-2	축슬리브용 SHEET GASKET / Shaft Sleeve Gasket
117-3	베어링커버용 SHEET GASKET / Bearing Cover Gasket
117-4	냉각커버용 SHEET GASKET / Cooling Cover Gasket
122	아이 볼트 / Eye Bolt
128-1	케이싱 체결 볼트 / Casing Set Bolt
128-2	글랜드 볼트 / Mechanical Seal Cover Bolt
158	웨이브 와셔 / Wave Washer
200	공기빼기 HOLE / Air Vent
255	유면계 / Oil Level Gauge
840-1	글랜드 커버용 O링 / Gland Cover O-Ring
840-2	글 버용 O링 / Gland Cover O-Ring
840-3	메카니컬 씨일용 O링 / Mechanical Seal Cover O-Ring

주 : 상기 재료 조합외에 각종 요구에 부응하여 제작하고 있습니다.

Notes : Combinations of parts in materials other than listed above are also available upon request.

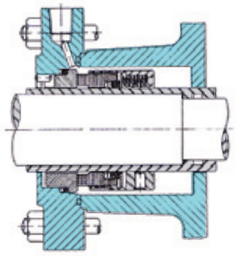
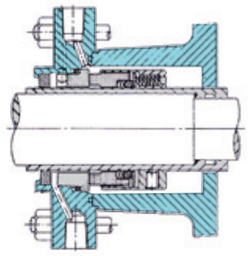
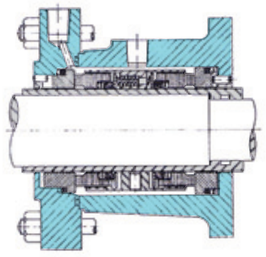
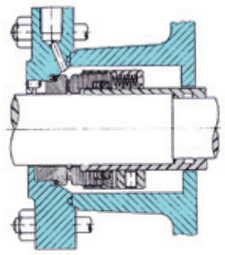
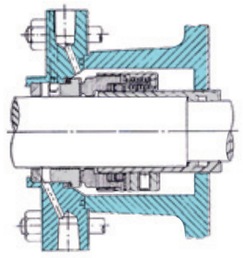
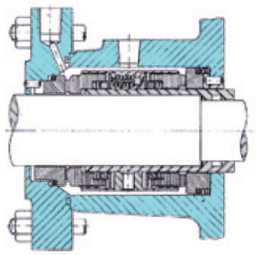
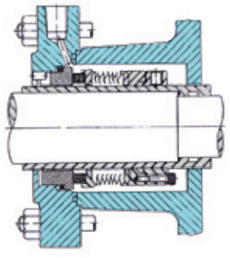
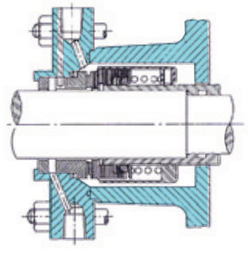
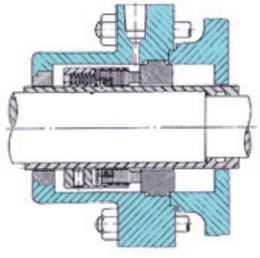
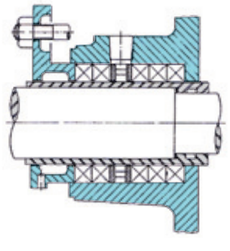
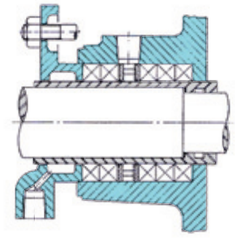
Stuffing Box with Cooling Jacket



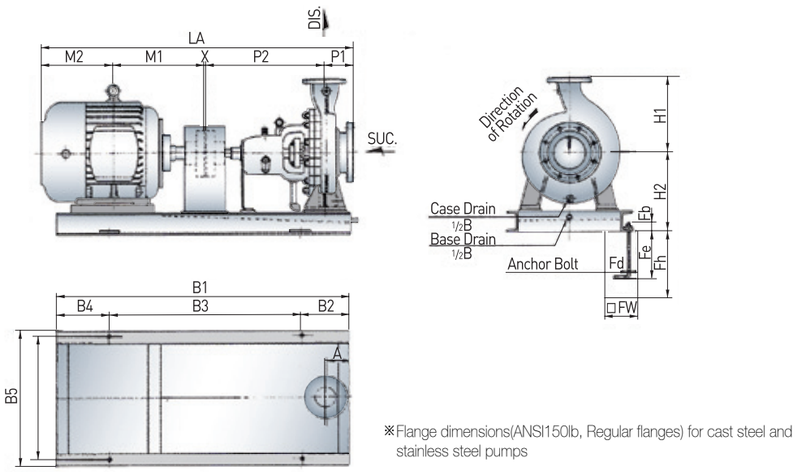
주 : Cooling Jacket을 갖는 Stuffing Box Stainless Steel과 Cast Steel Pump에만 사용가능합니다.

notes : Combinations of parts in materials other than listed above are also available upon request.

Mechanical Seal

	A	B	C
1	**1A** Unbalanced Seal (Standard Type) 	**1B** Unbalanced Seal (Quench Type) 	**1C** Double Seal (Open Air-Side Unbalanced Type) 
2	**2A** Balanced Seal (Standard Type) 	**2B** Balanced Seal (Standard Type) 	**2C** Double Seal (Open Air-Side Balanced Type) 
3	**3A** Metal Bellow (Standard Type) 	**3B** Mono Coil Seal 	**3C** Outside Seal 
4	**4A** Gland Packing (Standard Type) 	**4B** Gland Packing (Quench Type) 	1. 축봉 패킹박스의 치수는 ISO3069에 의거하고 있습니다. 또 메카니씨일의 형식 및 치수는 DIN24960에 대해 규격화 된 것을 채용하고 있습니다. 2. 각종 사양조건에 대해 본표 이외의 각종 구조에 대해서도 준비되어 있습니다.

Outline Dimensions



※Flange dimensions(ANSI150lb, Regular flanges) for cast steel and stainless steel pumps

Unit (mm)

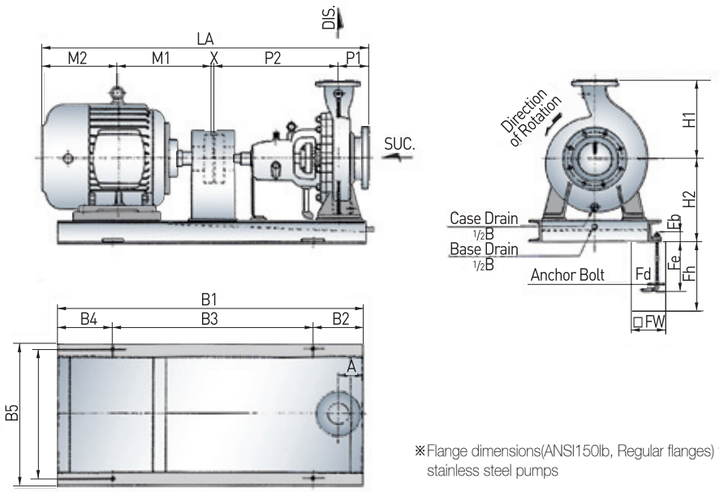
Pump Model	Motor Frame	Pump P_1	Pump P_2	Pump H_1	Pump H_2	Common A	Common B_1	Common B_2	Common B_3	Common B_4	Common B_5	Motor M_1	Motor *M_2	*LA	X	Anchor Bolt Fd	Anchor Bolt Fb	Anchor Bolt Fe	Anchor Bolt Fh	Anchor Bolt Fw	Wt. kg
	71	80	385	160	207	60	725	115	480	130	290	120	125	713	3	M12	55	195	250	110	65
	80	80	385	160	207	60	725	115	480	130	290	140	146	754	3	M12	55	195	250	110	64
	90L	80	385	160	217	60	725	115	480	130	290	168.5	165	801.5	3	M12	55	195	250	110	64
CFP25-130	100L	80	385	160	207	60	765	130	540	95	320	193	185	846	3	M12	55	195	250	110	70
	112M	80	385	160	207	60	765	130	540	95	320	200	195	863	3	M12	55	195	250	110	69
CFP25-160	132S	80	385	160	235	60	805	130	540	135	350	239	223	930	3	M12	55	195	250	110	71
	132M	80	385	160	227	60	895	150	600	145	350	258	242	968	3	M12	55	195	250	110	75
	160M	80	385	160	250	60	970	170	660	140	400	323	287	1078	3	M12	55	195	250	110	90
	160L	80	385	160	250	60	970	170	660	140	400	345	310	1123	3	M12	55	195	250	110	90
	71	80	385	180	235	60	725	115	480	130	320	120	125	713	3	M12	55	195	250	110	80
	80	80	385	180	235	60	725	115	480	130	320	140	146	754	3	M12	55	195	250	110	80
	90L	80	385	180	245	60	725	115	480	130	320	168.5	165	801.5	3	M12	55	195	250	110	81
	100L	80	385	180	235	60	765	130	540	95	320	193	185	8466	3	M12	55	195	250	110	83
	112M	80	385	180	235	60	765	130	540	95	320	200	195	863	3	M12	55	195	250	110	83
CFP25-200	132S	80	385	180	235	60	805	130	540	135	350	239	223	930	3	M12	55	195	250	110	81
	132M	80	385	180	235	60	900	150	600	150	350	258	242	968	3	M12	55	195	250	110	87
	160M	80	385	180	250	60	970	170	660	140	400	323	287	1078	3	M12	55	195	250	110	101
	160L	80	385	180	250	60	970	170	660	140	400	345	310	1123	3	M12	55	195	250	110	101
	180M	80	385	180	270	60	1015	170	660	185	440	351.5	322	1141.5	3	M12	55	195	250	110	104
	180L	80	385	180	270	60	1015	170	660	185	440	370.5	341	1179.5	3	M12	55	195	250	110	104
	71	80	385	160	207	60	725	115	480	130	290	120	125	713	3	M12	55	195	250	110	69
	80	80	385	160	207	60	725	115	480	130	290	140	146	754	3	M12	55	195	250	110	69
	90L	80	385	160	217	60	725	115	480	130	290	168.5	165	801.5	3	M12	55	195	250	110	69
CFP40-130	100L	80	385	160	207	60	765	130	540	95	320	193	185	846	3	M12	55	195	250	110	75
	112M	80	385	160	207	60	765	130	540	95	320	200	195	863	3	M12	55	195	250	110	75
CFP40-160	132S	80	385	160	235	60	805	130	540	135	350	239	223	930	3	M12	55	195	250	110	75
	132M	80	385	160	227	60	895	150	600	145	350	258	242	968	3	M12	55	195	250	110	79
	160M	80	385	160	250	60	970	170	660	140	400	323	287	1078	3	M12	55	195	250	110	95
	160L	80	385	160	250	60	970	170	660	140	400	345	310	1123	3	M12	55	195	250	110	95
	71	100	385	180	235	60	725	115	480	130	320	120	125	733	3	M12	55	195	250	110	82
	80	100	385	180	235	60	725	115	480	130	320	140	146	774	3	M12	55	195	250	110	82
	90L	100	385	180	245	60	725	115	480	130	320	168.5	165	821.5	3	M12	55	195	250	110	82
	100L	100	385	180	235	60	765	130	540	95	320	193	185	866	3	M12	55	195	250	110	85
	112M	100	385	180	235	60	765	130	540	95	320	200	195	883	3	M12	55	195	250	110	85
CFP40-200	132S	100	385	180	235	60	805	130	540	135	350	239	223	950	3	M12	55	195	250	110	85
	132M	100	385	180	235	60	900	150	600	150	350	258	242	988	3	M12	55	195	250	110	90
	160M	100	385	180	250	60	970	170	660	140	400	323	287	1098	3	M12	55	195	250	110	103
	160L	100	385	180	250	60	970	170	660	140	400	345	310	1143	3	M12	55	195	250	110	103
	180M	100	385	180	270	60	1015	170	660	185	440	351.5	322	1161.5	3	M12	55	195	250	110	105
	180L	100	385	180	270	60	1015	170	660	185	440	370.5	341	1199.5	3	M12	55	195	250	110	105

주 : 1. 표시된 전동기는 F종 절연, 전폐형, 팬냉각, 저압 3상, 농형, 유도전동기입니다.
2. *표시의 M_2와 LA의 치수는 전동기 제작사에 따라 다소의 차이가 있습니다.
3. 치수는 사전 통보없이 제품의 개선에 의해 변경될 수 있습니다.
4. Base Plate 치수는 참고치수이므로 Foundation을 위한 상세치수는 사양서를 참조바랍니다.

1. The motor output classification numbers shown are those for ordinary F class totally-enclosed, fan-cooled low-voltage 3-phase squirrel cage induction motors.
2. Asterisked M_2 and LA dimension vary to a certain extent, depending on motor manufacturers.
3. The dimensions and all specifications are subject to change without notice.
4. Base plate dimensions are only reference. For accurate dimension, please submit a inquiry.

HYOSUNG GOODSPRINGS INC.

Outline Dimensions



※Flange dimensions(ANSI150lb, Regular flanges) for cast steel and stainless steel pumps

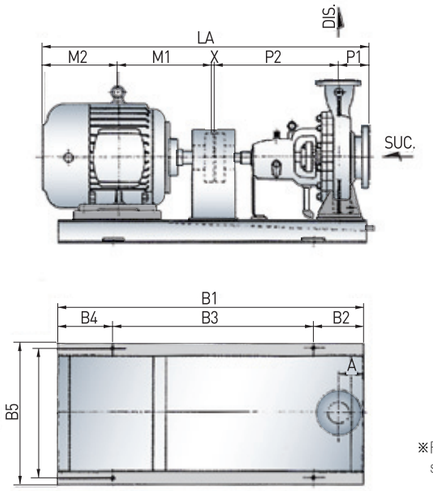
Unit (mm)

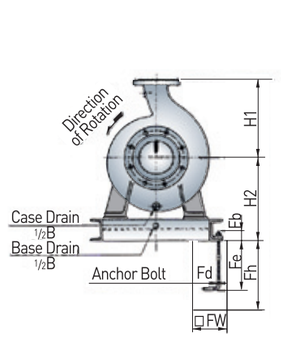
Pump	Motor	Pump				Common						Motor		*LA	X	Anchor Bolt					Wt.
Model	Frame	P_1	P_2	H_1	H_2	A	B_1	B_2	B_3	B_4	B_5	M_1	*M_2			Fd	Fb	Fe	Fh	Fw	kg
	90L	100	500	225	270	75	900	150	600	150	400	168.5	165	936.5	3	M12	55	195	250	110	114
	100L	100	500	225	270	75	900	150	600	150	400	193	185	981	3	M12	55	195	250	110	114
	112M	100	500	225	282	75	900	150	600	150	400	200	195	998	3	M12	55	195	250	110	114
	132S	100	500	225	270	75	995	170	660	165	400	239	223	1065	3	M12	55	195	250	110	122
	132M	100	500	225	270	75	995	170	660	165	400	258	242	1103	3	M12	55	195	250	110	125
CFP40-250	160M	100	500	225	270	75	1120	190	740	190	440	323	287	1213	3	M12	55	195	250	110	135
	160L	100	500	225	270	75	1120	190	740	190	440	345	310	1258	3	M12	55	195	250	110	135
	180M	100	500	225	270	75	1120	190	740	190	440	351.1	322	1276.5	3	M12	55	195	250	110	136
	180L	100	500	225	270	75	1260	205	840	215	490	370.5	341	1314.5	3	M12	55	195	250	110	148
	200L	100	500	225	290	75	1245	205	840	200	490	395.5	420.5	1419	3	M12	55	195	250	110	154
	225S	100	500	225	335	75	1220	205	840	175	550	402	413	1419	3	M12	70	245	315	110	168
	71	100	385	180	235	60	725	115	480	130	320	120	125	773	3	M12	55	195	250	110	77
	80	100	385	180	235	60	725	115	480	130	320	140	146	774	3	M12	55	195	250	110	77
	90L	100	385	180	245	60	725	115	480	130	320	168.5	165	821.5	3	M12	55	195	250	110	77
CFP50-130	100L	100	385	180	235	60	765	130	540	95	320	193	185	866	3	M12	55	195	250	110	80
	112M	100	385	180	235	60	765	130	540	95	320	200	195	883	3	M12	55	195	250	110	80
CFP50-160	132S	100	385	180	235	60	805	130	540	135	350	239	223	960	3	M12	55	195	250	110	80
	160M	100	385	180	250	60	970	170	660	140	400	323	287	1098	3	M12	55	195	250	110	98
	160L	100	385	180	250	60	970	170	660	140	400	345	310	1143	3	M12	55	195	250	110	98
	180M	100	385	180	250	60	1015	170	660	185	440	351.5	332	1161.5	3	M12	55	195	250	110	100
	180L	100	385	180	270	60	1015	170	660	185	440	370.5	341	1199.5	3	M12	55	195	250	110	100
	71	100	385	200	235	60	725	115	480	130	320	120	125	733	3	M12	55	195	250	110	87
	80	100	385	200	235	60	725	115	480	130	320	140	146	774	3	M12	55	195	250	110	87
	90L	100	385	200	245	60	725	115	480	130	320	168.5	165	821.5	3	M12	55	195	250	110	87
	100L	100	385	200	235	60	765	130	540	95	320	193	185	866	3	M12	55	195	250	110	90
	112M	100	385	200	235	60	765	130	540	95	320	200	195	883	3	M12	55	195	250	110	90
CFP50-200	132S	100	385	200	235	60	805	130	540	135	350	239	223	950	3	M12	55	195	250	110	93
	160M	100	385	200	250	60	970	170	660	140	400	323	287	1098	3	M12	55	195	250	110	108
	160L	100	385	200	250	60	970	170	660	185	400	345	310	1143	3	M12	55	195	250	110	108
	180M	100	385	200	270	60	1015	170	660	185	440	351.5	332	1161.5	3	M12	55	195	250	110	110
	180M	100	385	200	270	60	1015	170	660	140	440	370.5	341	1199.5	3	M12	55	195	250	110	110
	180L	100	385	200	290	60	1120	190	740	190	490	395.5	420.5	1304	3	M12	55	195	250	110	128
	200L	100	385	200	290	60	1120	190	740	190	490	375.5	420.5	1304	3	N12	55	195	250	110	
	90L	125	500	225	270	75	900	150	600	150	400	168.5	165	961.5	3	M12	55	195	250	110	123
	100L	125	500	225	270	75	900	150	600	150	400	193	185	1006	3	M12	55	195	250	110	123
	112M	125	500	225	282	75	900	150	600	150	400	200	195	1023	3	M12	55	195	250	110	123
	132S	125	500	225	270	75	995	170	660	165	400	239	223	1090	3	M12	55	195	250	110	131
CFP50-250	132M	125	500	225	270	75	995	170	660	165	400	258	242	1128	3	M12	55	195	250	110	131
	160M	125	500	225	270	75	1120	190	740	190	440	323	287	1238	3	M12	55	195	250	110	145
	160L	125	500	225	270	75	1120	190	740	190	440	345	310	1283	3	M12	55	195	250	110	145
	180M	125	500	225	270	75	1120	190	740	190	440	3515	322	1301.5	3	M12	55	195	250	110	146
	180L	125	500	225	270	75	1260	205	840	215	490	370.5	341	1339.5	3	M12	55	195	250	110	156
	200L	125	500	225	290	75	1245	205	840	200	490	395.5	420.5	1444	3	M12	55	195	250	110	158
	225S	125	500	225	335	75	1220	205	840	175	550	402	413	1444	3	M16	70	245	315	130	176
CFP50-250	250S	125	500	225	360	75	1260	205	840	215		433.5	465	1527.5	4	M16	70	245	315	130	
	250M	125	500	225	360	75	1420	230	940	250	600	452.5	495	1576.5	3	M16	70	245	315	130	206
	280S	125	500	225	390	75	1420	230	940	250	670	484	515	1628	4	M16	70	245	315	130	217
	90L	125	500	280	315	75	905	150	600	155	400	168.5	165	961.5	3	M12	55	195	250	110	160
	100L	125	500	280	315	75	905	150	600	155	400	193	185	1006	3	M12	55	195	250	110	160
	112M	125	500	280	327	75	905	150	600	155	400	200	195	1023	3	M12	55	195	250	110	160
	132S	125	500	280	315	75	990	170	660	160	440	239	223	1090	3	M12	55	195	250	110	162
	132M	125	500	280	315	75	990	170	660	160	440	258	242	1128	3	M12	55	195	250	110	162
	160M	125	500	280	315	75	1120	190	740	190	440	323	287	1238	3	M12	55	195	250	110	174
CFP50-320	160L	125	500	280	315	75	1120	190	740	190	440	345	310	1283	3	M12	55	195	250	110	174
	180M	125	500	280	335	75	1120	190	740	190	440	351.5	322	1301.5	3	M12	55	195	250	110	176
	180L	125	500	280	315	75	1265	205	840	220	490	370.5	341	1339.5	3	M12	55	195	250	110	197
	200L	125	500	280	315	75	1265	205	840	220	490	395.5	420.5	1444	3	M12	55	195	250	110	195
	225S	125	500	280	335	75	1265	205	840	220	550	402	413	1444	4	M16	70	245	315	130	210
	250S	125	500	280	335	75	1265	205	840	220	550	433.5	465	1527.5	4	M16	70	245	315	130	210
	250M	125	500	280	360	75	1375	230	940	205	600	452.5	495	1576.5	4	M16	70	245	315	130	235
	280S	125	500	280	390	75	1420	230	940	250	670	484	515	1628	4	M16	70	245	315	130	248
	90L	100	500	200	235	75	880	150	600	130	350	168.5	165	936.5	3	M12	55	195	250	110	99
	100L	100	500	200	235	75	880	150	600	130	350	193	185	981	3	M12	55	195	250	110	99
	112M	100	500	200	235	75	900	150	600	150	350	200	195	998	3	M12	55	195	250	110	103
	132S	100	500	200	250	75	970	170	660	140	400	239	223	1065	3	M12	55	195	250	110	115
CFP80-130	132M	100	500	200	250	75	970	170	660	140	400	258	242	1103	3	M12	55	195	250	110	115
	160M	100	500	200	250	75	1120	190	740	190	440	323	287	1213	3	M12	55	195	250	110	121
CFP80-160	160L	100	500	200	250	75	1120	190	740	190	440	345	310	1258	3	M12	55	195	250	110	125
	180M	100	500	200	270	75	1120	190	740	190	440	351.5	322	1276.5	3	M12	55	195	250	110	127
	180L	100	500	200	270	75	1245	205	840	200	490	370.5	341	1314.5	3	M12	55	195	250	110	138
	200L	100	500	200	290	75	1245	205	840	200	490	395.5	420.5	1419	3	M12	55	195	250	110	145
	225S	100	500	200	335	75	1220	205	840	175	550	402	413	1419	3	M16	70	245	315	130	159
	90L	100	500	225	270	75	900	150	600	150	400	168.5	165	936.5	3	M12	55	195	250	110	122
	100L	100	500	225	270	75	900	150	600	150	400	193	185	981	3	M12	55	195	250	110	122
	112M	100	500	225	282	75	900	150	600	150	400	200	195	998	3	M12	55	195	250	110	122
	132S	100	500	225	270	75	995	170	660	165	400	239	223	1065	3	M12	55	195	250	110	130
	132M	100	500	225	270	75	995	170	660	165	400	258	242	1103	3	M12	55	195	250	110	133
	160M	100	500	225	270	75	1120	190	740	190	440	323	287	1213	3	M12	55	195	250	110	145
CFP80-200	160L	100	500	225	270	75	1120	190	740	190	440	345	310	1258	3	M12	55	195	250	110	145
	180M	100	500	225	270	75	1120	190	740	190	440	351.5	322	1276.5	3	M12	55	195	250	110	145
	180L	100	500	225	270	75	1260	205	840	215	490	370.5	341	1314.5	3	M12	55	195	250	110	156
	200L	100	500	225	290	75	1245	205	840	200	490	395.5	420.5	14199	3	M12	55	195	250	110	162
	225S	100	500	225	335	75	1220	205	840	175	550	402	413	1419	3	M16	70	245	315	130	176
	250S	100	500	225	335	75	1260	205	840	215	600	433.5	465	1502.5	3	M16	70	245	315	130	176
	250M	100	500	225	360	75	1420	230	940	250	600	452.5	495	1551.5	3	M16	70	245	315	130	206
	280S	100	500	225	390	75	1420	230	940	250	670	484	515	1630	4	M16	70	245	315	130	218
	90L	125	500	250	290	90	915	150	600	165	440	168.5	165.5	961.5	3	M12	55	195	250	110	145
	100L	125	500	250	290	90	915	150	600	165	440	193	185	996	3	M12	55	195	250	110	145
	112M	125	500	250	302	90	915	150	600	165	440	200	195	1023	3	M12	55	195	250	110	146
	132S	125	500	250	315	90	990	170	660	160	440	239	223	1090	3	M12	55	195	250	110	155
	132M	125	500	250	315	90	990	170	660	160	440	258	242	1128	3	M12	55	195	250	110	155
	160M	125	500	250	315	90	1120	190	740	190	440	323	287	1238	3	M12	55	195	250	110	165
CFP80-250	160L	125	500	250	315	90	1120	190	740	190	440	345	310	1283	3	M12	55	195	250	110	165
	180M	125	500	250	290	90	1120	190	740	190	440	351.5	322	1301.5	3	M12	55	195	250	110	163
	180L	125	500	250	290	90	1260	205	840	215	490	370.5	341	1339.5	3	M12	55	195	250	110	179
	200L	125	500	250	290	90	1260	205	840	215	490	395.5	420.5	1444	3	M12	55	195	250	110	175
	225S	125	500	250	335	90	1265	205	840	220	550	402	413	1443	4	M16	70	245	315	130	195
	250S	125	500	250	335	90	1265	205	840	220	550	433.5	463.5	1506	4	M16	70	245	315	130	195
	250M	125	500	250	360	90	1420	230	940	250	600	452..5	495	1576.5	4	M16	70	245	315	130	220
	280S	125	500	250	390	90	1420	230	940	250	670	484	515	1628	4	M16	70	245	315	130	230
	280M	125	500	250	390	90	1420	230	940	250	670	509.5	545.5	1684	4	M16	70	245	315	130	230
	315S	125	500	250	425	90	1590	270	1060	260	750	529	575	1733	4	M20	80	315	400	150	

주 : 1. 표시된 전동기는 F종 절연, 전폐형, 팬냉각, 저압 3상, 농형, 유도전동기입니다.
2. *표시의 M_2와 LA의 치수는 전동기 제작사에 따라 다소의 차이가 있습니다.
3. 치수는 사전 통보없이 제품의 개선에 의해 변경될 수 있습니다.
4. Base Plate 치수는 참고치수이므로 Foundation을 위한 상세치수는 사양서를 참조바랍니다.

1. The motor output classification numbers shown are those for ordinary F class totally-enclosed, fan-cooled low-voltage 3-phase squirrel cage induction motors.
2. Asterisked M_2 and LA dimension vary to a certain extent, depending on motor manufacturers.
3. The dimensions and all specifications are subject to change without notice.
4. Base plate dimensions are only reference. For accurate dimension, please submit a inquiry.

Outline Dimensions





※Flange dimensions(ANSI150lb, Regular flanges) for cast steel and stainless steel pumps

Unit (mm)

Pump	Motor	Pump				Common						Motor		*LA	X	Anchor Bolt					Wt.
Model	Frame	P_1	P_2	H_1	H_2	A	B_1	B_2	B_3	B_4	B_5	M_1	*M_2			Fd	Fb	Fe	Fh	Fw	kg
CFP80-320	112M	125	530	280	315	90	1020	170	660	190	490	200	195	1053	3	M12	55	195	250	110	200
	132S	125	530	280	315	90	1020	170	660	190	490	239	223	1120	3	M12	55	195	250	110	200
	132M	125	530	280	315	90	1020	170	660	190	490	258	242	1158	3	M12	55	195	250	110	200
	160M	125	530	280	343	90	1115	190	740	185	490	323	287	1268	3	M12	55	195	250	110	208
	160L	125	530	280	315	90	1255	205	840	210	490	345	310	1313	3	M12	55	195	250	110	215
	180M	125	530	280	315	90	1265	205	840	220	490	351.5	322	1331.5	3	M12	55	195	250	110	225
	180L	125	530	280	315	90	265	205	840	220	490	370.5	341	1369.5	3	M12	55	195	250	110	230
	200L	125	530	280	315	90	1265	205	840	220	490	425.5	420.5	1505	4	M12	55	195	250	110	226
	225S	125	530	280	335	90	1265	205	840	220	550	402	413	1474	3	M16	70	245	315	130	226
	250S	125	530	280	360	90	1375	230	940	205	600	433.5	465	1557.5	4	M16	70	245	315	130	238
	250M	125	530	280	360	90	1375	230	940	205	600	452.5	495	1605.5	3	M16	70	245	315	130	252
	280S	125	530	280	390	90	1420	230	940	250	670	484	515	1658	4	M16	70	245	315	130	255
	280M	125	530	280	390	90	1560	270	1060	230	670	509.5	545.5	1714	4	M16	70	245	315	130	65
	315S	125	530	280	425	90	1590	270	1060	260	750	529	575	1763	4	M16	70	245	315	130	310
CFP 100-160	90L	125	500	250	290	90	915	150	600	165	440	168.5	165	961.5	3	M12	55	195	250	110	130
	100L	125	500	250	290	90	915	150	600	165	440	185	185	1006	3	M12	55	195	250	110	130
	112M	125	500	250	302	90	915	150	600	165	440	200	195	1023	3	M12	55	195	250	110	131
	132S	125	500	250	315	90	990	170	660	160	440	239	223	1090	3	M12	55	195	250	110	136
	132M	125	500	250	315	90	990	170	660	160	440	258	242	1028	3	M12	55	195	250	110	148
	160M	125	500	250	315	90	1120	190	740	190	440	323	287	1238	3	M12	55	195	250	110	148
	160L	125	500	250	315	90	1120	190	740	190	440	345	310	1283	3	M12	55	195	250	110	143
	200L	125	500	250	290	90	1260	205	840	215	490	395.5	420.5	1444	3	M12	55	195	250	110	143
	180M	125	500	250	290	90	1120	190	740	190	440	351.5	322	1301.5	3	M12	55	195	250	110	148
	180L	125	500	250	290	90	1260	205	840	215	490	470.5	441	1339.5	4	M12	55	195	250	110	164
	200L	125	500	250	290	90	1260	205	840	215	490	495.5	420.5	1444	3	M12	55	195	250	110	160
	225S	125	500	250	335	90	1265	205	840	220	550	402	414	1444	4	M16	70	245	315	130	180
	250S	125	500	250	360	90	1260	205	840	2155	600	433.5	465.5	1527.5	4	M16	70	245	315	130	180
	250M	125	500	250	360	90	1420	230	940	250	600	452.5	495	1527.5	4	M16	70	245	315	130	205
	280S	125	500	250	390	90	1420	230	940	250	670	484	515	1628	4	M16	70	245	315	130	216
CFP 100-200 CFP 100-250X	112M	140	530	280	315	90	1020	170	660	190	490	200	195	1068	3	M12	55	195	250	110	185
	132S	140	530	280	315	90	1020	170	660	190	490	239	223	1135	3	M12	55	195	250	110	160
	132M	140	530	280	315	90	1020	170	660	190	490	258	242	1173	3	M12	55	195	250	110	185
	160M	140	530	280	343	90	1115	190	740	185	490	323	287	1238	3	M12	55	195	250	110	195
	160L	140	530	280	315	90	1255	205	840	210	490	345	310	1328	3	M12	55	195	250	110	200
	180M	140	530	280	315	90	1265	205	840	220	490	351.5	322	1346.5	3	M12	55	195	250	110	210
	180L	140	530	280	315	90	1265	205	840	220	490	370.5	341	1384.5	3	M12	55	195	250	110	215
	200L	140	530	280	315	90	1265	205	840	220	55	395.5	413	1489	3	M12	55	195	250	110	210
	225SS	140	530	280	335	90	1265	205	840	220	550	402	413	1489	4	M16	70	245	315	130	222
	250S	140	530	280	360	90	1375	230	940	205	550	433.5	465	1572.5	4	M16	70	245	315	130	222
	250M	140	530	280	360	90	1375	230	940	205	600	452.5	495	1621.5	4	M16	70	245	315	130	240
	280S	140	530	280	390	90	1420	230	940	250	670	484	515	1673	4	M16	70	245	315	130	240
	280M	140	530	280	390	90	1560	270	1060	230	670	209.5	545.5	1729	4	M16	70	245	315	130	250
	315S	140	530	280	425	90	1590	270	1060	260	750	529	575	1778	4	M16	70	245	315	130	295
	315M	140	530	280	425	90	1590	270	1060	260	750	554.5	620.5	1849	4	M16	70	245	315	130	295

Pump	Motor	Pump				Common						Motor		*LA	X	Anchor Bolt					Wt.
Model	Frame	P_1	P_2	H_1	H_2	A	B_1	B_2	B_3	B_4	B_5	M_1	*M_2			Fd	Fb	Fe	Fh	Fw	kg
CFP 100-250XA (only for 2p)	225S	140	530	280	335	90	1065	205	840	220	550	402	413	1488	3	M16	70	245	315	130	222
	250S	140	530	280	335	90	1065	205	840	220	550	414.5	463.5	1551	3	M16	70	245	315	130	222
	250M	140	530	280	360	90	1375	230	940	205	600	452.5	495	1620.5	3	M16	70	245	315	130	240
	280S	140	530	280	390	90	1420	230	940	250	670	484	515	1673	4	M16	70	245	315	130	240
	280M	140	530	280	390	90	1560	270	1060	230	670	509.5	545.5	1729	4	M16	70	245	315	130	250
	315S	140	530	280	425	90	1590	270	1060	260	750	529	575	1788	4	M16	70	245	315	130	296
	315M	140	530	280	425	90	1590	270	1060	260	750	554.5	620.5	1849	4	M16	70	245	315	130	296
CFP 100-320X	132S	140	530	315	340	90	1025	170	660	195	490	239	223	1135	3	M12	55	195	250	110	220
	132M	140	530	315	340	90	1025	170	660	195	490	258	242	1173	3	M12	55	195	250	110	220
	160M	140	530	315	368	90	1120	190	740	190	490	323	287	1283	3	M12	55	195	250	110	230
	160L	140	530	315	340	90	1240	205	840	195	490	345	310	1328	3	M12	55	195	250	110	240
	180M	140	530	315	360	90	1240	205	840	195	490	351.5	322	1346.5	3	M12	55	195	250	110	243
	180L	140	530	315	360	90	1240	205	840	195	490	370.5	341	1385.5	3	M12	55	195	250	110	245
	200L	140	530	315	340	90	1265	205	840	220	490	425.5	420.5	1520	3	M12	55	195	250	110	256
	225S	140	530	315	360	90	1265	205	840	220	550	402	413	1519	3	M16	70	245	315	130	270
CFP 100-320XA (only for 2p)	250M	140	530	315	385	90	1375	230	940	205	600	452.5	495	1620.5	3	M16	70	245	315	130	295
	280S	140	530	315	415	90	1420	230	940	205	670	484	515	1673	4	M16	70	245	315	130	298
	280M	140	530	315	415	90	1560	270	1060	230	670	509.5	545.5	1729	4	M16	70	245	315	130	305
	315S	140	530	315	450	90	1590	270	1060	260	750	529	575	1778	4	M20	85	315	400	130	360
	315M	140	530	315	450	90	1590	270	1060	260	750	554.5	620.5	1849	4	M20	85	315	400	130	360
CFP 100-400X	132M	140	530	355	390	110	1265	205	840	220	600	258	242	1173	3	M16	70	245	315	130	288
	160M	140	530	355	390	110	1265	205	840	220	600	323	287	1283	3	M16	70	245	315	130	282
	160L	140	530	355	390	110	1265	205	840	220	600	345	310	1328	3	M16	70	245	315	130	282
	180M	140	530	355	390	110	1265	205	840	220	600	351.5	322	1346.5	3	M16	70	245	315	130	288
	180L	140	530	355	390	110	1265	205	840	220	600	370.5	341	1385.5	4	M16	70	245	315	130	292
	200L	140	530	355	410	110	1265	205	840	220	600	425.5	420.5	1520	4	M16	70	245	315	130	300
	225S	140	530	355	390	110	1425	230	940	255	600	432	413	1519	4	M16	70	245	315	130	318
	205S	140	530	355	415	110	1425	230	940	255	600	463.5	465	1602.5	4	M16	70	245	315	130	324
	250M	140	530	355	415	110	1425	230	940	255	600	482.5	495	1651.5	4	M16	70	245	315	130	330
CFP 150-250	112M	140	530	355	340	90	1025	170	660	195	490	200	195	1068	3	M12	55	195	250	110	202
	132S	140	530	355	340	90	1025	170	660	195	490	239	223	1135	3	M12	55	195	250	110	202
	132M	140	530	355	340	90	1025	170	660	195	490	528	242	1173	3	M12	55	195	250	110	202
	160M	140	530	355	368	90	1120	190	740	190	490	323	287	1283	3	M12	55	195	250	110	210
	160L	140	530	355	340	90	1240	205	840	195	490	345	310	1328	3	M12	55	195	250	110	220
	180M	140	530	355	360	90	1240	205	840	195	490	351.5	322	1346.5	3	M12	55	195	250	110	224
	180L	140	530	355	360	90	1240	205	840	195	490	370.5	341	1385.5	4	M12	55	195	250	110	226
	200L	140	530	355	340	90	1265	2055	840	220	490	425.5	420.5	1520	4	M12	55	195	250	110	236
CFP 100- 320Y	132M	140	530	355	390	110	1265	205	840	220	600	258	242	1173	3	M16	70	245	315	130	282
	160M	140	530	355	390	110	1265	205	840	220	600	323	287	1283	3	M16	70	245	315	130	280
	160L	140	530	355	390	110	1265	205	840	220	600	345	310	1328	3	M16	70	245	315	130	80
	180M	140	530	355	390	110	1265	205	840	220	600	351.5	322	1346.5	3	M16	70	245	315	130	284
	180L	140	530	355	390	110	1265	205	840	220	600	370.5	341	1385.5	4	M16	70	245	315	130	286
	200L	140	530	355	410	110	1265	205	840	220	600	425.5	420.5	1520	4	M16	70	245	315	130	296
	225S	140	530	355	390	110	1425	230	940	255	600	432	413	1519	4	M16	70	245	315	130	313
	250S	140	530	355	415	110	1425	230	940	255	600	463.5	465	1602.5	4	M16	70	245	315	130	318
	250M	140	530	355	415	110	1425	230	940	255	600	482.5	495	1651.5	4	M16	70	245	315	130	324
CFP 100-400Y	160L	140	530	400	425	110	1275	205	840	230	600	345	310	1328	3	M16	70	245	315	130	320
	180M	140	530	400	425	110	1275	205	840	230	600	351.5	322	1346.5	3	M16	70	245	315	130	315
	180L	140	530	400	425	110	1275	205	840	230	600	370.5	341	1385.5	4	M16	70	245	315	130	320
	200L	140	530	400	425	110	1275	205	840	230	600	425.5	420.5	1520	4	M16	70	245	315	130	326
	225S	140	530	400	425	110	1440	230	940	270	600	432	413	1519	4	M16	70	245	315	130	355
	250S	140	530	400	425	110	1440	230	940	270	600	463.5	465	1602.5	4	M16	70	245	315	130	360
	250M	140	530	400	425	110	1440	230	940	280	600	482.5	495	1651.5	4	M16	70	245	315	130	345
	280S	140	530	400	425	110	1440	230	940	280	670	544	515	1733	4	M16	70	245	315	130	345
	280M	140	530	400	425	110	640	270	1060	310	670	569.5	545.5	1789	4	M16	70	245	315	130	368
CFP 100-500	180L	180	670	450	485	110	1405	230	940	235	670	370.5	341	1565.5	4	M16	70	245	315	130	472
	200L	180	670	450	485	110	1405	230	940	235	670	425.5	420.5	1700	4	M16	70	245	315	130	485
	225S	180	670	450	485	110	1610	270	1060	280	670	432	413	1699	4	M16	70	245	315	130	506
	250S	180	670	450	510	110	1610	270	1060	280	670	463.5	465	1782.5	3	M16	70	245	315	130	512
	250M	180	670	450	510	110	1610	270	1060	280	670	482.5	495	1831.5	4	M16	70	245	315	130	518
	280S	180	670	450	505	110	1635	270	1060	305	670	544	515	1913	4	M16	70	245	315	130	526
	280M	180	670	450	505	110	1635	270	1060	305	670	569.5	545.5	1969	4	M16	70	245	315	130	526
	315S	180	670	450	485	110	1850	300	1200	350	750	589	575	2018	4	M20	85	315	400	150	577
	315M	180	670	450	485	110	1850	300	1200	350	750	614.5	620.5	2089	4	M20	85	315	400	150	577

주 : 1. 표시된 전동기는 F종 절연, 전폐형, 팬냉각, 저압 3상, 농형, 유도전동기입니다.
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4. Base Plate 치수는 참고치수이므로 Foundation을 위한 상세치수는 사양서를 참조바랍니다.

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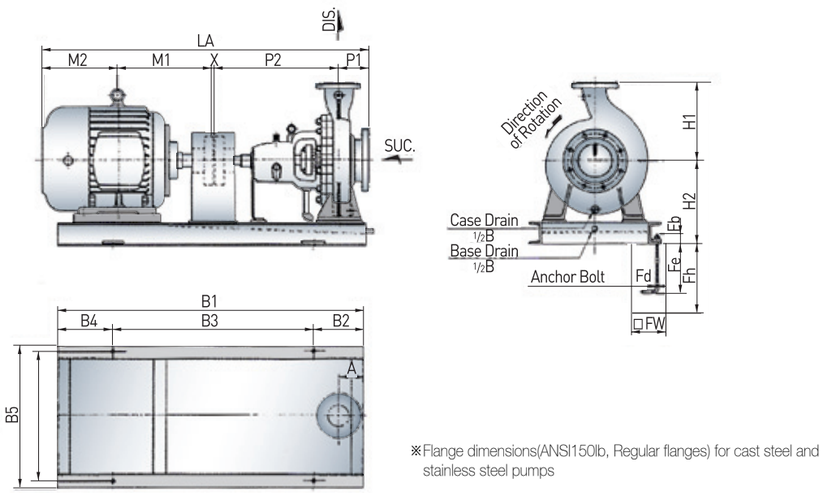
Outline Dimensions



※Flange dimensions(ANSI150lb, Regular flanges) for cast steel and stainless steel pumps

Unit (mm)

Pump Model	Motor Frame	Pump P_1	Pump P_2	Pump H_1	Pump H_2	Common A	Common B_1	Common B_2	Common B_3	Common B_4	Common B_5	Motor M_1	Motor *M_2	*LA	X	Anchor Bolt Fd	Anchor Bolt Fb	Anchor Bolt Fe	Anchor Bolt Fh	Anchor Bolt Fw	Wt. kg
CFP 200-200	160M	180	565	400	425	110	1275	205	840	230	600	323	287	1358	3	M16	70	245	315	130	336
	160L	180	565	400	425	110	1275	205	840	230	600	345	310	1403	3	M16	70	245	315	130	336
	180M	180	565	400	4255	110	1275	205	840	230	600	351.5	322	1421.5	3	M16	70	245	315	130	330
	180L	180	565	400	425	110	1275	205	840	230	600	370.5	341	1460.5	4	M16	70	245	315	130	332
	200L	180	565	400	425	110	1470	230	940	300	600	425.5	420.5	1595	4	M16	70	245	315	130	352
	225S	180	565	400	425	110	1440	230	940	270	600	432	413	1594	4	M16	70	245	315	130	370
	250S	180	565	400	425	110	1440	230	940	270	600	463.5	465	1677	4	M16	70	245	315	130	375
	250M	180	565	400	425	110	1440	230	940	270	600	482.5	495	1726.5	4	M16	70	245	315	130	360
	280S	180	565	400	425	110	1640	270	1060	310	670	544	515	1808	4	M16	70	245	315	130	382
CFP 200-250	160L	160	565	450	425	110	1275	205	840	230	600	345	310	1383	3	M16	70	245	315	130	350
	180M	160	565	450	425	110	1275	205	840	230	600	351.5	322	1404.4	3	M16	70	245	315	130	345
	180L	160	565	450	425	110	1275	205	840	230	600	370.5	341	1440.5	4	M16	70	245	315	130	348
	200L	160	565	450	425	110	1275	205	840	230	600	425.5	420.5	1575	4	M16	70	245	315	130	356
	225S	160	565	450	425	110	1445	230	940	270	600	432	413	1574	4	M16	70	245	315	130	385
	250S	160	565	450	425	110	1445	230	940	270	600	463.5	463	1657.5	4	M16	70	245	315	130	390
	250M	160	565	450	425	110	1445	230	940	270	600	482.5	495	1706.5	4	M16	70	245	315	130	376
	280S	160	565	450	425	110	1640	270	1060	310	670	544	515	1788	4	M16	70	245	315	130	398
	280M	160	565	450	425	110	1640	270	1060	310	670	569.5	545.5	1844	4	M16	70	245	315	130	398
CFP 150-320	160L	160	670	450	425	110	1405	230	940	235	670	345	310	1488	3	M16	70	245	315	130	462
	180M	160	670	450	425	110	1405	230	940	235	670	351.5	322	1506.5	3	M16	70	245	315	130	456
	180L	160	670	450	425	110	1405	230	940	235	670	370.5	341	1545.55	4	M16	70	245	315	130	456
	200L	160	670	450	425	110	1405	230	940	235	670	425.5	420.5	1680	4	M16	70	245	315	130	464
	225S	160	670	450	425	110	1635	270	1060	305	670	432	413	1679	4	M16	70	245	315	130	514
CFP 150-400	250S	160	670	450	425	110	1640	270	1060	315	670	463.5	465	1762.5	4	M16	70	245	315	130	520
	250M	160	670	450	425	110	1640	270	1060	310	670	482.5	495	1811.5	4	M16	70	245	315	130	512
	280S	160	670	450	425	110	1640	270	1060	310	670	544	515	1893	4	M16	70	245	315	130	496
	280M	160	670	450	425	110	1640	270	1060	310	670	569.5	545.5	1949	4	M16	70	245	315	130	496
	315S	160	670	450	425	110	1670	270	1200	170	750	589	575	1998	4	M20	85	315	400	150	530
CFP 150-500	200L	180	820	560	485	110	1610	270	1060	280	670	425.5	420.5	1850	4	M16	70	245	315	130	612
	225S	180	820	560	485	110	1610	270	1060	280	670	432	413	1849	4	M16	70	245	315	130	630
	250S	180	820	560	510	110	1840	300	1200	280	670	463.5	465	1932.5	4	M16	70	245	315	130	630
	250M	180	820	560	510	110	1840	300	1200	310	670	482.5	495	1981.5	4	M20	85	315	400	150	678
	280S	180	820	560	485	110	1820	300	1200	290	670	544	515	2063	4	M20	85	315	400	150	680
	280M	180	820	560	485	110	1820	300	1200	290	670	569.5	455.5	2119	4	M20	85	315	400	150	680
	315S	180	820	560	485	110	2050	340	1320	390	750	589	575	2168	4	M20	85	315	400	150	696
	315M	180	820	560	485	110	2050	340	1320	390	750	614.5	620.5	2239	4	M20	85	315	400	150	696

Pump Model	Motor Frame	Pump P_1	Pump P_2	Pump H_1	Pump H_2	Common A	Common B_1	Common B_2	Common B_3	Common B_4	Common B_5	Motor M_1	Motor *M_2	*LA	X	Anchor Bolt Fd	Anchor Bolt Fb	Anchor Bolt Fe	Anchor Bolt Fh	Anchor Bolt Fw	Wt. kg
CFP 250-250	200L	225	695	560	485	170	1545	270	1060	215	750	425.5	420.5	1770	4	M20	85	315	400	150	637
	225S	225	695	560	485	170	1545	270	1060	215	550	432	413	1769	4	M20	85	315	400	150	627
	250S	225	695	560	485	170	1650	270	1060	215	550	463.5	465	1852.5	4	M20	85	315	400	150	632
	250M	225	695	560	485	170	1650	270	1060	290	750	482.5	495	1901.5	4	M20	85	315	400	150	656
	280S	225	695	560	485	170	1850	300	1200	315	750	544	515	1983.5	4	M20	85	315	400	150	713
	280M	225	695	560	485	170	1850	300	1200	315	750	569.5	545.5	2039	4	M20	85	315	400	150	713
	315S	225	695	560	485	170	1850	300	1200	315	750	589	575	2088	4	M20	85	315	400	150	697
	315M	225	695	560	485	170	1850	300	1200	315	750	614.5	620.5	2159	4	M20	85	315	400	150	697
CFP 200-320	200L	180	670	560	485	170	1545	270	1060	215	750	420.5	420.5	1700	4	M20	85	315	400	150	597
	225S	180	670	560	485	170	1545	270	1060	215	750	432	413	1699	4	M20	85	315	400	150	587
	250S	180	670	560	485	170	1655	270	1060	320	750	463.5	465	1782.5	4	M20	85	315	400	150	592
	250M	180	670	560	485	170	1650	270	1060	320	750	482.5	495	1831.5	4	M20	85	315	400	150	616
CFP 200-400	280S	180	670	560	515	170	1650	270	1060	320	750	544	515	1913	4	M20	85	315	400	150	636
	280M	180	670	560	485	170	1850	300	1200	310	750	569.5	545.5	1969	4	M20	85	315	400	150	673
	315S	180	670	560	480	170	1850	300	1200	310	750	589	575	2018	4	M20	85	315	400	150	656
	315M	180	670	560	480	170	1850	300	1200	310	750	614.5	620.5	2089	4	M20	85	315	400	150	656
CFP 200-500	250M	200	820	630	535	170	1810	300	1200	310	750	482.5	495	2001.5	4	M20	85	315	400	150	803
	280S	200	820	630	565	170	1810	300	1200	310	750	544	515	5083	4	M20	85	315	400	150	813
	280M	200	820	630	535	170	2120	340	1320	460	750	569.5	545.5	2139	4	M20	85	315	400	150	855
	315S	200	820	630	570	170	2120	340	1320	460	750	589	575	2188	4	M20	85	315	400	150	867
	315M	200	820	630	570	170	2120	340	1320	460	750	614.5	620.5	2259	4	M20	85	315	400	150	867

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HYOSUNG GOODSPRINGS INC.