

Application

- Process Industries
 - Chemical : *Acid unloading, Monomer, Polymer, Molten sulphur, Urea, Liquid ammonia and Caustic transfer*
 - Petrochemical : *Reflux, Light tower bottoms, Aromatics, Light hydrocarbons, Gas Oil, etc.*
- Waste Treatment
- Petrochemical Industry
- Chemical Waste Treatment
- Other Various Industry

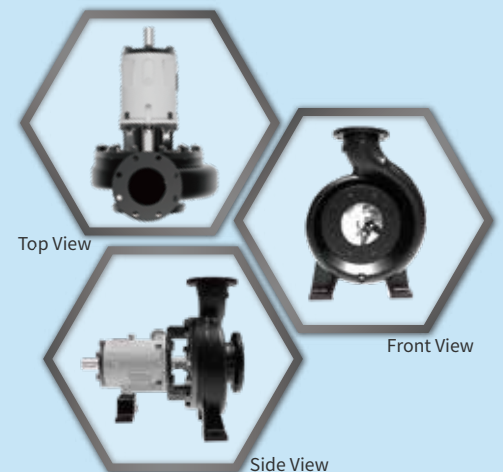


Design Details

- Capacity : 60Hz : Up to 1200 m³ / hr
- Head : 60Hz : Up to 220 m
- Discharge Pressure : Up to 16kgf / cm² (228 psi)
- Allowable Suction Pressure : Up to 9kgf / cm² (128 psi)
- Revolution : Up to 3600 rpm
- Rotation : clockwise viewed from coupling end
- Temperature : Stainless Steel -50 °C to 177 °C (-58 °F to 350 °F)
: Cast Iron -20 °C to 150 °C (-4 °F to 302 °F)

Features

- Completely standardized for wide range of applications
- Open impeller type
- Foot support and back pull-out design
- Reliable and sturdy construction
- Compliance with ASME(ANSI) B73.1
- High interchangeability
- Low NPSHr

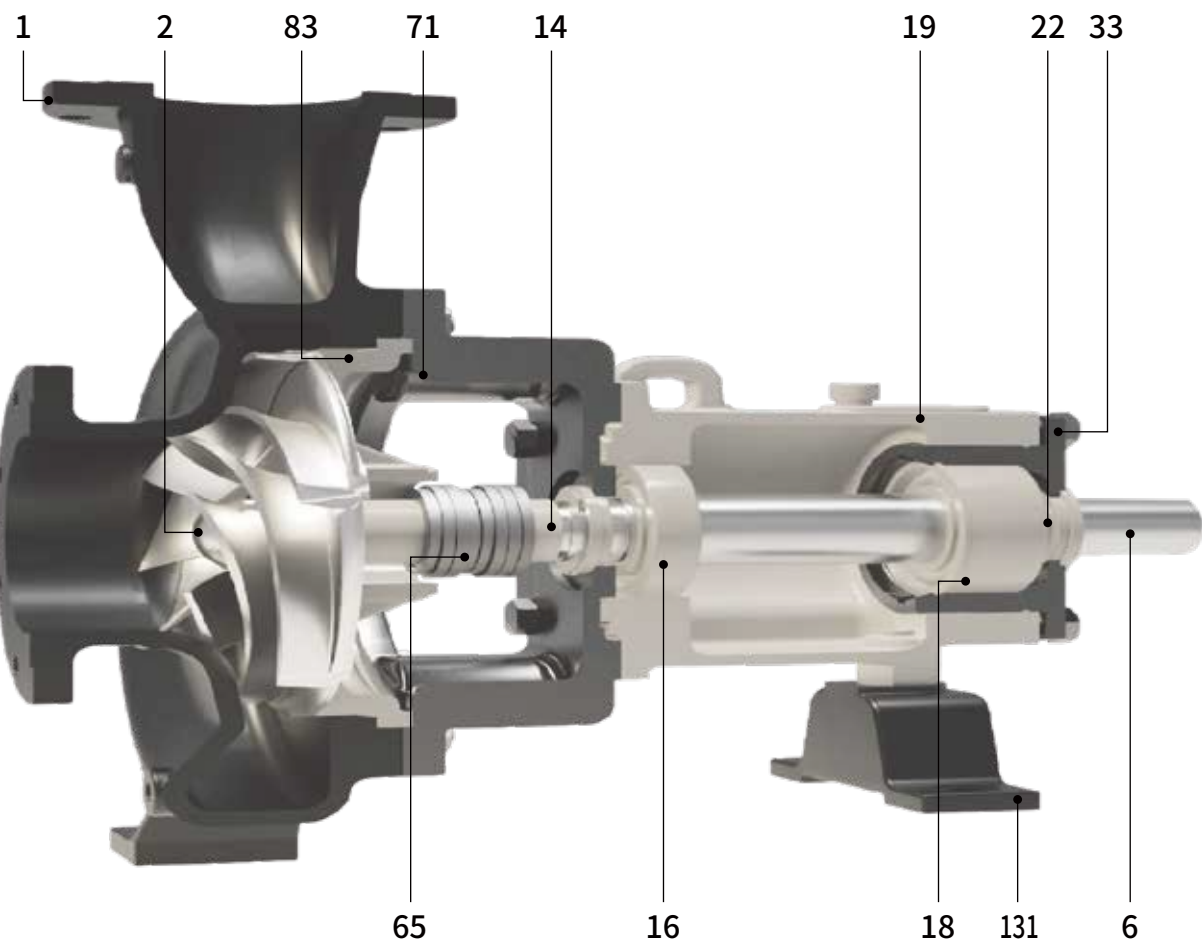


MP 3 X 2 - 6 H

- 2 Pole Type
- Impeller Diameter in Inch
- Discharge Nozzle Size in Inch
- Suction Nozzle Size in Inch
- Model

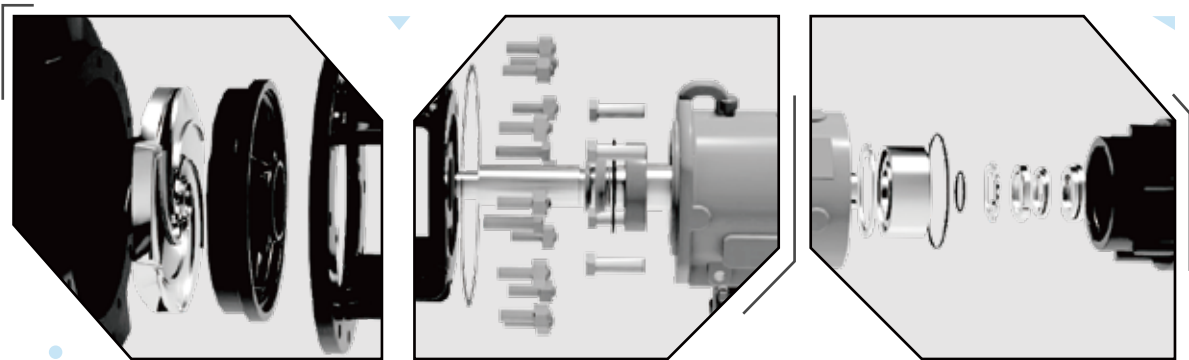
Sectional Drawings

■ Construction : Standard



Model : MP

NO.	PART NAME
1	CASING
2	IMPELLER
6	SHAFT
14	SLEEVE
16	BEARING
18	BEARING
19	FRAME
22	BEARING NUT
33	BEARING HOUSING
65	MECHANICAL SEAL
71	ADAPTER
83	STUFFING BOX
131	SUPPORT



■ Material Code : Standard

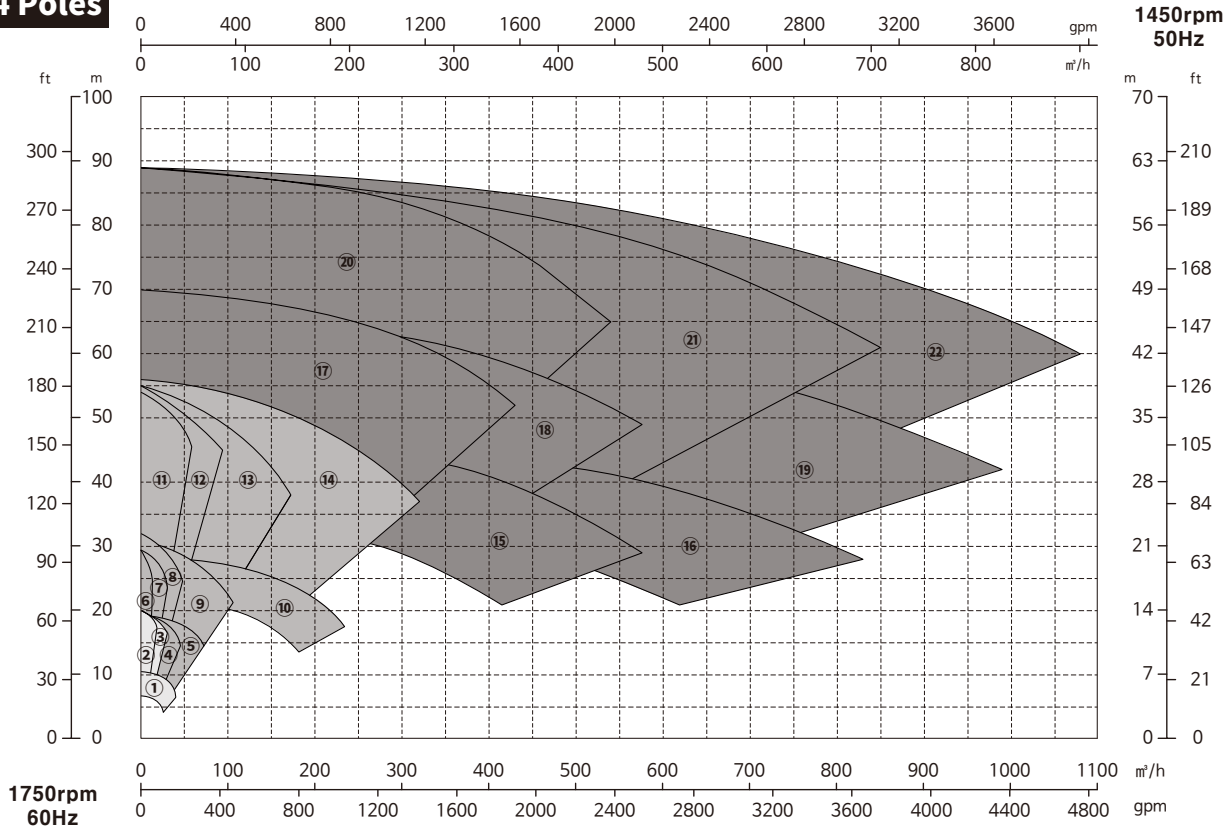
NO.	PART NAME	MATERIAL	
		KS CODE	ASTM CODE
1	CASING	GCD450 / SCPH2 / SSC14 / AS SPECIFIED	A536 Gr. 65-45-12 / A216 WCB / A743 CF8M / AS SPECIFIED
2	IMPELLER	SSC14 / AS SPECIFIED	A743 CF8M / AS SPECIFIED
6	SHAFT	SCM440 / STS316 / AS SPECIFIED	A322 4140 / A743 CF8M / AS SPECIFIED
14	SLEEVE	STS316 / AS SPECIFIED	A276 316 / AS SPECIFIED
83	STUFFING BOX	GCD450 / SCPH2 / SSC14 / AS SPECIFIED	A536 Gr. 65-45-12 / A216 WCB / A743 CF8M / AS SPECIFIED

■ Optional Material Code

- Other materials are available in request.

Sectional Charts

4 Poles



Group I

- ①. MP 3 x 2 - 6
- ②. MP 1.5 x 1 - 8
- ③. MP 3 x 1.5 - 8

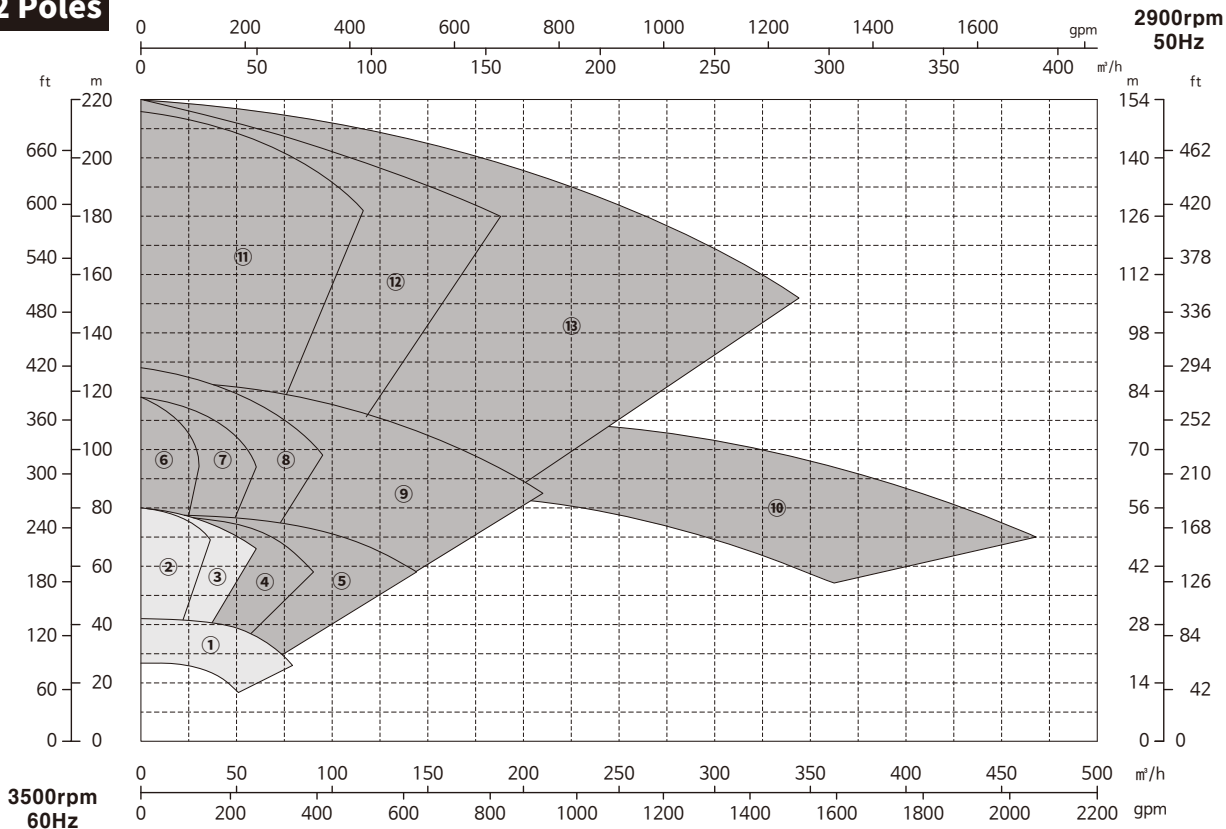
Group II

- ④. MP 3 x 2 - 8
- ⑤. MP 4 x 3 - 8
- ⑥. MP 2 x 1 - 10
- ⑦. MP 3 x 1.5 - 10
- ⑧. MP 3 x 2 - 10
- ⑨. MP 4 x 3 - 10
- ⑩. MP 6 x 4 - 10
- ⑪. MP 3 x 1.5 - 13
- ⑫. MP 3 x 2 - 13
- ⑬. MP 4 x 3 - 13
- ⑭. MP 6 x 4 - 13

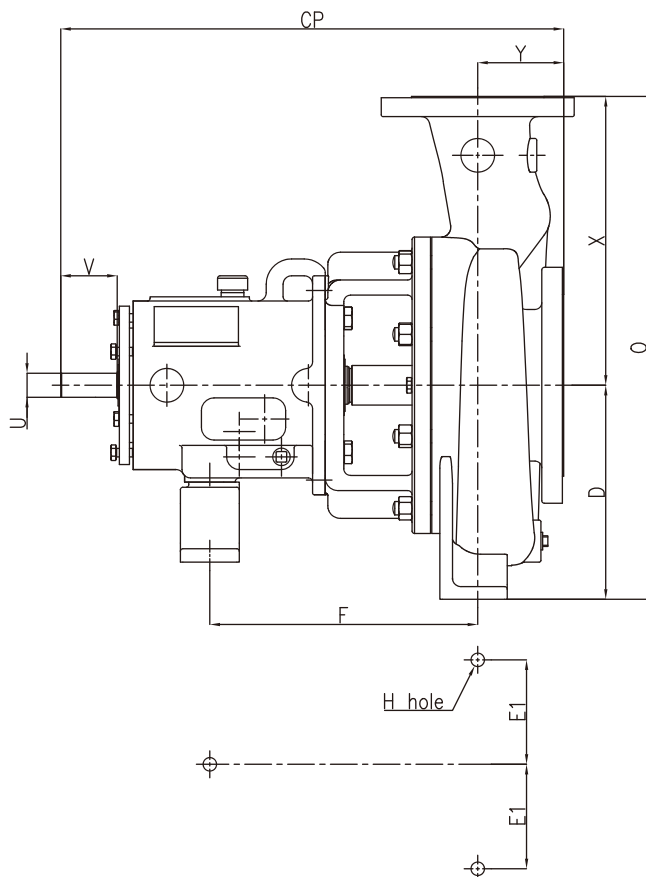
Group III

- ⑮. MP 8 x 6 - 13
- ⑯. MP 10 x 8 - 13
- ⑰. MP 6 x 4 - 15
- ⑱. MP 8 x 6 - 15
- ⑲. MP 10 x 8 - 15
- ⑳. MP 6 x 4 - 17
- ㉑. MP 8 x 6 - 17
- ㉒. MP 10 x 8 - 17

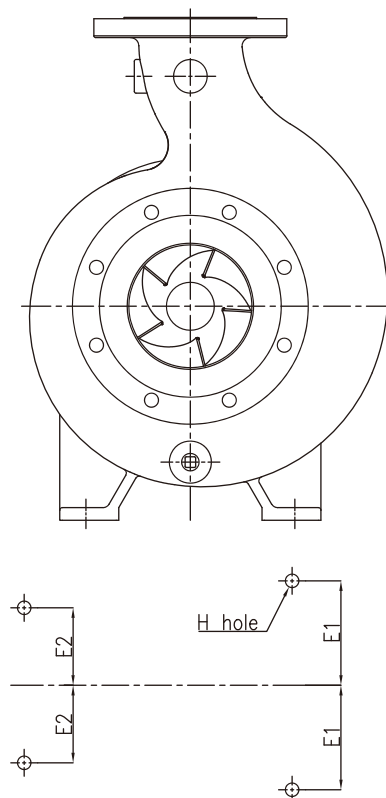
2 Poles



Pump Installation Dimensions



Group I



Group II / Group III

MODEL	CP in (mm)	D in (mm)	2 E1 in (mm)	2 E2 in (mm)	F in (mm)	H in (mm)	O in (mm)	U in (mm)		V min in (mm)	X in (mm)	Y in (mm)	Group
								Diameter	Keyway				
MP 3 X 2 - 6 (1)	17.5 (445)	5.25 (133)	7.1 (180) (3)	0	7.25 (184)	0.625 (16)	11.75 (298)	0.875 (22.23)	0.188 x 0.094 (4.76 x 2.38)	2 (51)	6.5 (165)	4 (102)	I
MP 1.5 X 1 - 8 (1)	17.5 (445)	5.25 (133)	7.1 (180) (3)	0	7.25 (184)	0.625 (16)	11.75 (298)	0.875 (22.23)	0.188 x 0.094 (4.76 x 2.38)	2 (51)	6.5 (165)	4 (102)	
MP 3 X 1.5 - 8	17.5 (445)	5.25 (133)	7.1 (180) (3)	0	7.25 (184)	0.625 (16)	11.75 (298)	0.875 (22.23)	0.188 x 0.094 (4.76 x 2.38)	2 (51)	6.5 (165)	4 (102)	
MP 3 X 2 - 8	23.5 (597)	8.25 (210)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	17.75 (450)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	9.5 (242)	4 (102)	
MP 4 X 3 - 8	23.5 (597)	8.25 (210)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	19.25 (490)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	11 (280)	4 (102)	
MP 2 X 1 - 10	23.5 (597)	8.25 (210)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	16.75 (425)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	8.5 (216)	4 (102)	
MP 3 X 1.5 - 10	23.5 (597)	8.25 (210)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	16.75 (425)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	8.5 (216)	4 (102)	II
MP 3 X 2 - 10	23.5 (597)	8.25 (210)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	17.75 (450)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	9.5 (242)	4 (102)	
MP 4 X 3 - 10	23.5 (597)	8.25 (210)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	19.25 (490)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	11 (280)	4 (102)	
MP 6 X 4 - 10	23.5 (597)	10 (254)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	23.5 (597)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	13.5 (343)	4 (102)	
MP 3 X 1.5 - 13	23.5 (597)	10 (254)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	20.5 (520)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	10.5 (266)	4 (102)	
MP 3 X 2 - 13	23.5 (597)	10 (254)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	21.5 (546)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	11.5 (292)	4 (102)	
MP 4 X 3 - 13	23.5 (597)	10 (254)	9.75 (248)	7.25 (184)	12.5 (318)	0.625 (16)	22.5 (572)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	12.5 (318)	4 (102)	III
MP 6 X 4 - 13 (2)	23.5 (597)	10 (254)	16 (406) (3)	7.25 (184)	12.5 (318)	0.945 (24) (3)	23.5 (597)	1.125 (28.58)	0.25 x 0.125 (6.35 x 3.18)	2.625 (67)	13.5 (343)	4 (102)	
MP 8 X 6 - 13	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	30.5 (775)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	16 (406)	6 (152)	
MP 10 X 8 - 13	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	32.5 (826)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	18 (457)	6 (152)	
MP 6 X 4 - 15	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	30.5 (775)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	16 (406)	6 (152)	
MP 8 X 6 - 15	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	32.5 (826)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	18 (457)	6 (152)	
MP 10 X 8 - 15 (2)	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	33.5 (851)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	19 (483)	6 (152)	III
MP 6 X 4 - 17	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	30.5 (775)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	16 (406)	6 (152)	
MP 8 X 6 - 17	33.875 (860)	14.5 (368)	16 (406)	9 (229)	18.75 (476)	0.945 (24) (3)	32.5 (826)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	18 (457)	6 (152)	
MP 10 X 8 - 17 (2)	33.875 (860)	14.5 (368)	18.1 (460) (3)	9 (229)	18.75 (476)	0.945 (24) (3)	33.5 (851)	2.375 (60.33)	0.625 x 0.313 (15.88 x 7.94)	4 (102)	19 (483)	6 (152)	

NOTES :

(1) Discharge flange has tapped bolt holes.

(2) Suction flange has tapped bolt holes.

(3) The manufacturer`s standards have been applied.