



## PUMP SECTION

### Centrifugal Pumps, Type A5

#### APPLICATION AND FEATURES

Mepco A5 pump is of the volute type for horizontal or vertical installation.

Typical supply system application includes boiler feed, processing, drainage, washer service and booster service. These pumps are also used as circulators in evaporative condensers, cooling towers, hot water and chilled water systems, etc.

Sixteen sizes are available in the A5 with ranges from 1/3 HP to 2 HP and capacities to 150 GPM.

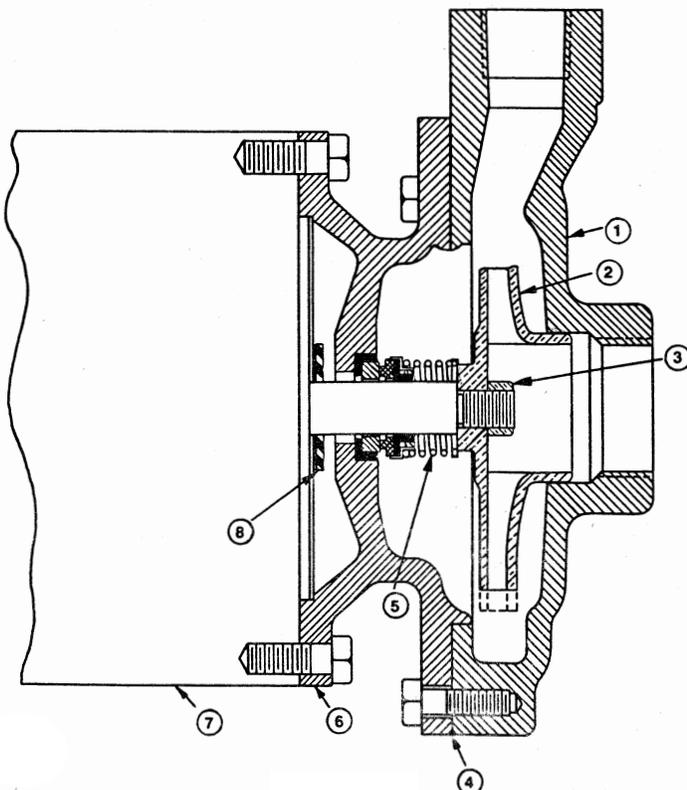
For applications involving fluids other than water (glycols, brines, light oils) consult factory for recommendations.



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#### CONSTRUCTION DETAILS A5

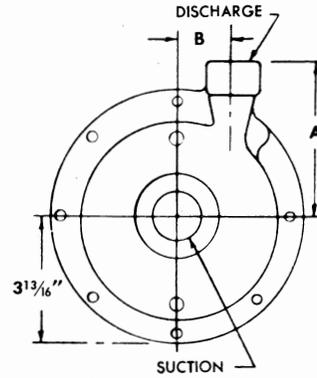
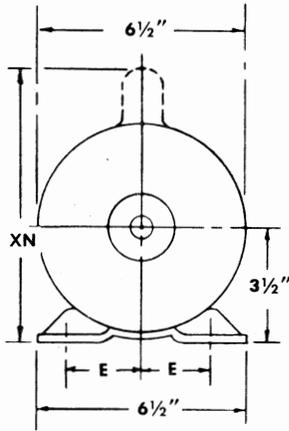
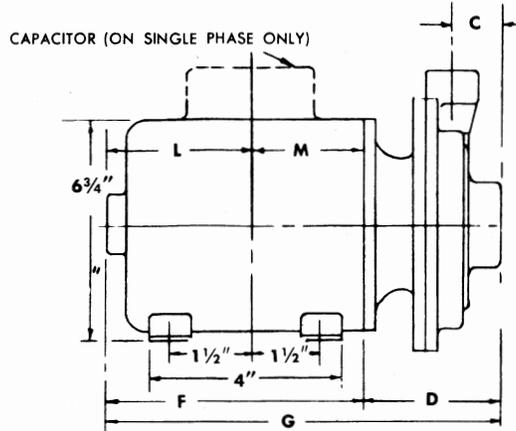
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- 1. CASE** - Cast iron. Suction and discharge connections tapped for standard pipe. Discharge connection can be located in any of eight angular positions 45° apart. Available in bronze as an option. Pumps are suitable for 175 PSI working pressure.
- 2. IMPELLER** - Bronze of enclosed design. Dynamically balanced.
- 3. IMPELLER NUT** - Stainless Steel with stop.
- 4. CASE GASKET** - High density non-asbestos.
- 5. SHAFT SEAL** - Mechanical assembly. Rotary type.
- 6. HEAD** - Cast iron. May be furnished bronze as an option.
- 7. MOTOR** - Ball-bearing, drip proof frame with conduit box for easy connection. Screwdriver holding slot in shaft end opposite the centrifugal pump on A5 pumps. Shaft and mounting flange comply with NEMA standards permitting interchangeability. Dual voltage 115/230 single phase, 60 cycle with built in thermal overload protection 3/4 HP and below. For three phase, 60 cycle 230/460 or 200 volt is furnished. Sized so maximum brake HP output required is, in each case, less than that allowed by motor manufacturers guaranteed service factor.
- 8. SLINGER** - Composition disc type A5.



# CENTRIFUGAL PUMP DIMENSIONS—TYPE A5



CATALOG NUMBER					DIMENSIONS															SHIPPING WGT. LBS.		
					CENTRIFUGAL PUMP					MOTORS												
										1-60-115/230					3-60-230/460 or 200							
MOTOR	DIS <sup>①</sup>	TYPE	CODE	MODEL	DIS <sup>①</sup>	SUC <sup>②</sup>	A	B	C	D	F	E	L	M	XN	G	F	E	L	M	G	
1/4 HP	3/4	A5 A	A	1	3/4	1/4	4 3/4	1 3/4	1 1/2	4 7/8	7 3/4	2 7/16	3 11/16	4 1/16	8 15/16	11 7/8	7 3/4	2 7/16	3 11/16	4 1/16	11 7/8	44
1/4 HP	1	A5 A	A	1	1	1 1/2	5 1/8	1 3/4	1 3/4	4 1/2	7 3/4	2 7/16	3 11/16	4 1/16	8 15/16	12 1/4	7 3/4	2 7/16	3 11/16	4 1/16	12 1/4	47
1/4 HP	1 1/2	A5 B	B	1	1 1/2	2	4 3/4	3 3/4	1 11/16	4 7/8	7 3/4	2 7/16	3 11/16	4 1/16	8 15/16	12 5/8	7 3/4	2 7/16	3 11/16	4 1/16	12 5/8	48
1/2 HP	1	A5 C	C	2	1	1 1/2	5 1/8	1 3/4	1 3/4	4 1/2	7 3/4	2 7/16	3 11/16	4 1/16	8 3/8	12 1/4	7 3/4	2 1/2	3 3/4	4	12 1/4	45
1/2 HP	1 1/2	A5 C	C	2	1 1/2	2	4 3/4	3 3/4	1 1/8	4 7/8	7 3/4	2 7/16	3 11/16	4 1/16	8 3/8	12 3/8	7 3/4	2 1/2	3 3/4	4	12 3/8	47
1/2 HP	1	A5 C	C	2	1	1 1/2	5 1/8	1 3/4	1 3/4	4 1/2	8	2 7/16	3 11/16	4 1/16	8 3/8	12 1/2	8	2 1/2	4	4	12 1/2	48
1/2 HP	1 1/2	A5 C	C	2	1 1/2	2	4 3/4	3 3/4	1 11/16	4 7/8	8	2 7/16	3 11/16	4 1/16	8 3/8	12 7/8	8	2 1/2	4	4	12 7/8	50
3/4 HP	3/4	A5 A	A	2	3/4	1 1/4	4 3/4	1 3/4	1 1/2	4 3/8	9	2 7/16	4 15/16	4 1/16	9	13 3/8	9	2 1/2	5	4	13 3/8	52
3/4 HP	1 1/2	A5 C	C	2	1 1/2	2	4 3/4	3 3/4	1 11/16	4 7/8	9	2 7/16	4 15/16	4 1/16	9	13 7/8	9	2 1/2	5	4	13 7/8	55
1 HP	3/4	A5 A	A	2	3/4	1 1/4	4 3/4	1 3/4	1 1/2	4 7/8	9 3/8	2 7/16	5 5/16	4 1/16	9	13 1/2	9	2 1/2	5	4	13 1/8	55
1 HP	1 1/2	A5 C	C	2	1 1/2	2	4 3/4	3 3/4	1 1/8	4 7/8	9 3/8	2 7/16	5 5/16	4 1/16	9	14 1/4	9	2 1/2	5	4	13 7/8	58
1 1/2 HP	3/4	A5 A	A	2	3/4	1 1/2	4 3/4	1 3/4	1 1/2	4 1/4	10 1/8	2 7/16	6 1/16	4 1/16	9	14 1/4	9 3/8	2 1/2	5 3/8	4	13 1/2	58
1 1/2 HP	1 1/4	A5 B	B	2	1 1/4	2	4 3/4	3 3/4	1 1/8	4 1/2	10 3/8	2 7/16	6 1/16	4 1/16	9	14 3/8	9 3/8	2 1/2	5 3/8	4	14 1/8	60
2 HP	1	A5 A	A	2	1	1 1/2	5 1/8	1 3/4	1 3/4	4 1/2	10 7/8	2 7/16	6 1/16	4 1/16	9 9/16	14 3/8	10 7/8	2 1/2	6 1/8	4	14 3/8	59
2 HP	1 1/4	A5 B	B	2	1 1/4	2	4 3/8	3 3/8	1 11/16	4 3/4	10 1/8	2 7/16	6 1/16	4 1/16	9 9/16	14 7/8	10 1/8	2 1/2	6 1/8	4	14 7/8	60
2 HP	1 1/2	A5 B	B	2	1 1/2	2	4 3/4	3 3/4	1 11/16	4 7/8	10 7/8	2 7/16	6 1/16	4 1/16	9 9/16	15	10 7/8	2 1/2	6 1/8	4	15	61

① Nominal Pipe Size, Discharge Connection Tapping

② Nominal Pipe Size, Suction Connection Tapping



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