ARISTRONG S E R I E S 1 0 5 0 & 1 0 6 0



Custom In-Line Circulators Series 1050 & 1060

Applications

- · Hydronic Heating and Cooling
- Domestic Water Systems
- Multi-Stage Zoning
- General Industrial Service

Standard Three-Piece Design

Body

Radially-split body can be left in the line while servicing the pump, eliminating needless disconnecting of pipes.

Oversized Shaft

ARMSTRONG circulating pumps have over-sized shafts of special alloy steel, machined to exacting tolerances. Shafts have integral thrust collars, heat treated to provide long life under severe duty conditions.

Extra Long Sleeve Bearings

Series 1060 features bronze sleeve bearings, extra long, to keep shaft in perfect alignment and provide quiet operation.

Positive Mechanical Seal

A tried and proven method of preventing water leakage, the well-known "ARMSEAL" construction is an often imitated feature of the ARMSTRONG circulator. Made of long-lasting, hardwearing materials, it ensures many years of noise-free, trouble-free service.

Modular Construction

Series 1050 features the unique ARMSTRONG shaft and bearing module for ease of serviceability and reduced inventory costs.

Materials of Construction

Part Name		Iron Body Pump	Bronze Body Pump	
		Bronze-Fitted Construction		
F	ump Body	Cast Iron	Bronze	
Impollor	Series 1050	Non-Ferrous	Non-Ferrous	
Impeller	Series 1060	Bronze	Bronze	
Bearings		Sleeve-Oil Lubricated	Sleeve-Oil Lubricated	
Shaft		Alloy Steel-Copper Sleeve	Alloy Steel-Copper Sleeve	
Mechanical Seal Assembly		Carbon Brass Trim - Ceramic Seat		

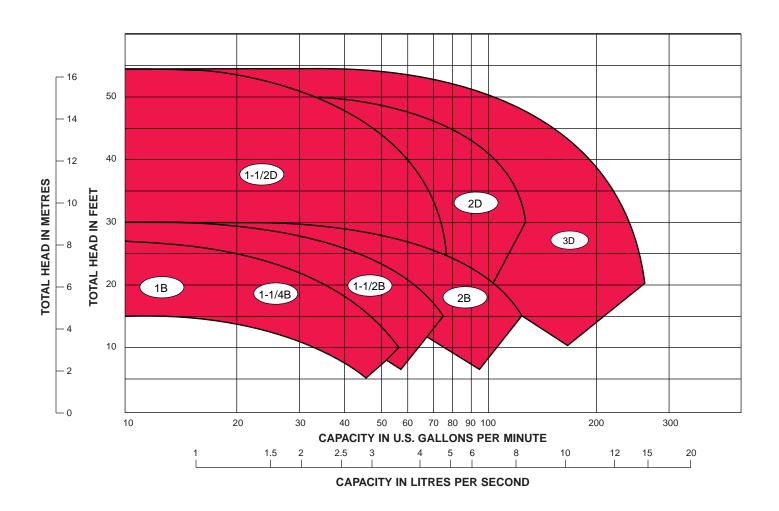
Design Information

		Iron Body Pump	Branza Bady Buma	
		Bronze-Fitted Construction	Bronze Body Pump	
Maximum Operating Temp.		225°F (107°C)	225°F (107°C)	
Maximum Working Pressure	Series 1050	175 psi (1207 kPa)	175 psi (1207 kPa)	
	Series 1060	175 psi (1207 kPa)	175 psi (1207 kPa)	

Notes:

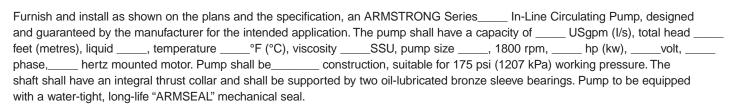
- 1) All circulators are to be mounted with pump and shaft in horizontal position.
- 2) For domestic hot water or fresh water systems, always specify bronze body pumps.
- 3) For temperatures over 225°F (107°C), consult your ARMSTRONG Representative.

Composite Performance Chart



Notes: For custom selections, refer to individual curves for impeller diameters and motor horsepowers.

Typical Specification



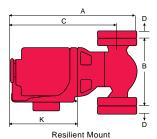
Pump and Motor Data

Pump Size	hp .	Resilient Mount inches (mm)			Rigid Mount inches (mm)			Shipping Weight
		А	С	K	L	M	N	Weight lbs. (kg)
1050 1B	1/4	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	48 (22)
	1/3	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	48 (22)
1050 1-1/4B	1/4	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	48 (22)
	1/3	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	48 (22)
	1/2	19-3/4 (502)	16 (406)	9-7/8 (251)	_	_	_	58 (26)
1050 1-1/2B	1/4	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	48 (22)
	1/3	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	48 (22)
	1/2	19-3/4 (502)	16 (406)	9-7/8 (251)	_	_	_	58 (26)
	3/4	20 (508)	16-1/2 (419)	10-3/8 (264)	_	_	_	75 (34)
1050 2B	1/3	17-1/4 (438)	13-1/2 (343)	7-3/8 (187)	_	_	_	55 (25)
	1/2	19-3/4 (502)	16 (406)	9-7/8 (251)	_	_	_	72 (33)
	3/4	20 (508)	16-1/2 (419)	10-3/8 (264)	_	_	_	75 (34)
	1	20-3/4 (527)	17 (431)	10-7/8 (276)	_	_	_	80 (36)
1060 1-1/2 D	1/2	22 (559)	18-3/4 (476)	9-7/8 (251)	_	_	_	86 (39)
	3/4	23 (584)	19-3/4 (502)	10-3/8 (264)	_	_	_	82 (37)
	1	23-1/2 (597)	20-1/4 (514)	10-7/8 (276)	_	_	_	92 (42)
	1-1/2	_	_	_	21-1/2 (546)	18-1/4 (464)	8-7/8 (225)	115 (52)
1060 2D	1/2	22-3/4 (578)	19-1/4 (489)	9-7/8 (251)	_	_	_	90 (41)
	3/4	23-3/4 (603)	19-3/4 (502)	10-3/8 (264)	_	_	_	96 (44)
	1	23-3/4 (603)	20-1/4 (514)	10-7/8 (276)	_	_	_	100 (45)
	1-1/2		_		21-3/4 (552)	18-1/4 (464)	8-7/8 (225)	120 (54)
	2	_		_	22-3/4 (578)	19-1/4 (489)	9-7/8 (251)	124 (56)
1060 3D	1	_	_	_	23-1/2 (597)	18-1/2 (470)	8-7/8 (225)	135 (61)
	1-1/2	_	_	_	24 (610)	19 (483)	8-7/8 (225)	138 (63)
	2	_	_	_	25 (635)	20 (508)	9-7/8 (251)	143 (65)
	3	_		_	27-3/4 (705)	22-3/4 (578)	9-7/8 (251)	150 (68)

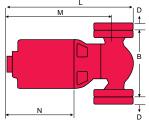
Voltages: 1/4 and 1/3 hp are 115 volt 1 phase. 1/2, 3/4, 1 and 1-1/2 hp are 115/230 volt 1 phase, or 208-230/460 volt or 575 volt 3 phase. 2 and 3 hp available only in 3 phase.

Pump	Flange size					
Size (N.P.T.)		В	D	Е	F	Н
1050 1B	1	11-1/2 (292)	3/4 (19)	1-3/8 (35)	3-3/4 (95)	4-1/8 (105)
1050 1-1/4B	1-1/4	11-1/2 (292)	7/8 (22)	1-3/8 (35)	3-3/4 (95)	4-1/8 (105)
1050 1-1/2B	1-1/2	11-1/2 (292)	7/8 (22)	1-3/8 (35)	3-3/4 (95)	4-1/8 (105)
1050 2B	2	11-1/2 (292)	7/8 (22)	1-3/8 (35)	3-3/4 (95)	4-1/8 (105)

1060 1-1/2D	1-1/2	13-1/2 (343)	7/8 (22)	1 (25)	4-5/8 (117)	4-7/8 (124)
1060 2D	2	14 (356)	7/8 (22)	1 (25)	4-3/4 (121)	5-1/8 (130)
1060 3D	3	18 (457)	1 (25)	0 (0)	5-7/8 (149)	5 (127)



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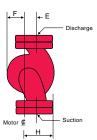


Rigid Mount



Notes:

- 1. Dimensions given are for reference only. For exact dimensional data, contact factory.
- 2. Pumps are shipped for up discharge.
- 3. Tapped openings are provided in body for venting and draining.
- 4. Companion flanges furnished with pump.



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