



Single Speed

3-Speed

Wet-rotor, maintenance free, circulating pumps

AM2 AM7
AM3 AM10
AM5 AMR
AM6

Submittal Data
Sheet
SD 100

EFFECTIVE
12/1/13

SUBMITTAL DATA APPROVAL

For: _____

Job: _____

Date Submitted: _____ By: _____

Date Approved: _____ By: _____

Model Number: _____ Quantity: _____

Model Number: _____ Quantity: _____

Model Number: _____ Quantity: _____

Model Number: _____ Quantity: _____

Single speed and 3-speed, stainless, bronze and cast iron, circulators with patented serviceable Green Eco Replacement Cartridge™

Features:

The revolutionary "Green Eco Cartridge™ Design" is the heart of the circulator and contains all moving parts. It has the only field replaceable and field serviceable cartridge on the market. In case of failure, competitive manufacturers have to replace their entire cartridge, motor assembly or pump, increasing the foot print on the environment and doubling the cost to the consumer. With our pump, pull out the rotor assembly, flush the cartridge with water and reinstall it. Simple, cost effective, patented. Patent No. 8,083,500 and No. US 8.303.184 B1.

SPECIFICATIONS

- Maximum water temperature 230°F
- Maximum working pressure 125 psi
- Maximum ambient temperature with 230°F fluid is 104°F
- Minimum inlet pressure 2 psi
- Electrical Ratings 120V, 60Hz

MATERIALS OF CONSTRUCTION

Components

STAINLESS STEEL: Wear ring, bearing support, cartridge sleeve, rotor sleeve, rotor cover

STEEL: Motor housing

ALUMINUM OXIDE CERAMIC: Shaft

CARBON IMPREGNATED: Radial bearings

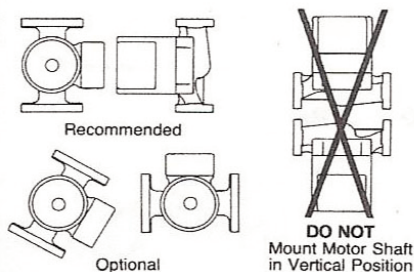
CAST IRON: Pump housing (volute) (Closed Systems)

STAINLESS AND LEAD FREE BRASS: Pump housing (volute) (Open Systems)

EP (Ethylene Propylene Rubber): O-ring and gaskets

IMPELLER: Polypropylene

Mounting Positions

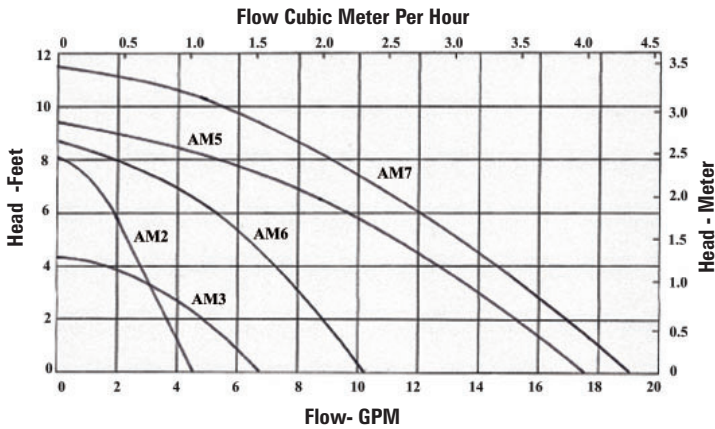


For Indoor Use Only

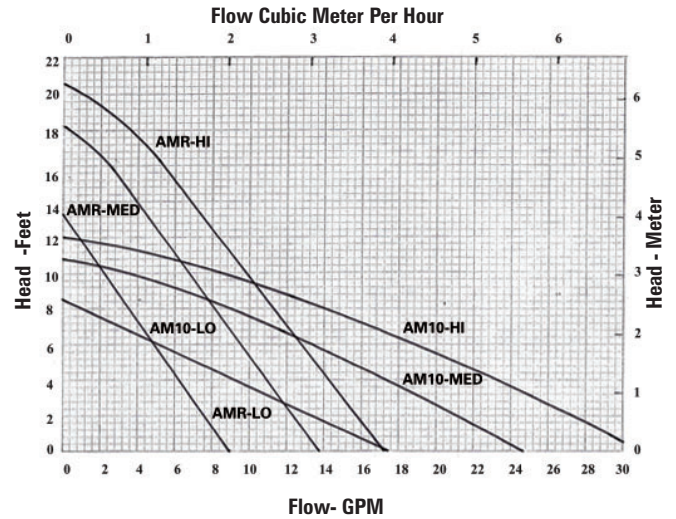
Model	Ampere	Connection	Housing Material	Accepts Check Valve	Speed
AM2-RCI	0.25	3/4" NPT	Stainless Steel	-	1
AM3-BE1	0.46	3/4" Sweat	Bronze	-	1
AM3-BC1	0.46	1/2" Sweat	Bronze	-	1
AM3-ST1	0.46	3/4" NPT	Stainless Steel	-	1
AM3-SUEV1	0.46	Union, 3/4" Sweat	Stainless Steel	20mm	1
AM3-SUCV1	0.46	Union, 1/2" Sweat	Stainless Steel	20mm	1
AM5-F1	0.54	Flange, 2 Bolt	Cast Iron	-	1
AM5-FV1	0.54	Flange, 2 Bolt	Cast Iron	25mm	1
AM5-BF1	0.54	Flange, 2 Bolt	Bronze	-	1
AM5-BFV1	0.54	Flange, 2 Bolt	Bronze	25mm	1
AM5-SF1	0.54	Flange, 2 Bolt	Stainless Steels	-	1
AM5-SFV1	0.54	Flange, 2 Bolt	Stainless Steel	25mm	1
AM6-BE1	0.54	3/4" Sweat	Bronze	-	1
AM6-BC1	0.54	1/2" Sweat	Bronze	-	1
AM6-ST1	0.54	3/4" NPT	Stainless Steel	-	1
AM6-SUEV1	0.54	Union, 3/4" Sweat	Stainless Steel	20mm	1
AM6-SUCV1	0.54	Union, 1/2" Sweat	Stainless Steel	20mm	1
AM7-F1	0.6	Flange, 2 Bolt	Cast Iron	-	1
AM7-FV1	0.6	Flange, 2 Bolt	Cast Iron	25mm	1
AM7-BF1	0.6	Flange, 2 Bolt	Bronze	-	1
AM7-BFV1	0.6	Flange, 2 Bolt	Bronze	25mm	1
AM7-SF1	0.6	Flange, 2 Bolt	Stainless Steel	-	1
AM7-SFV1	0.6	Flange, 2 Bolt	Stainless Steel	25mm	1
AMR-3F1	Hi: 0.79 Med: 0.62 Lo: 0.46	Flange, 4 Bolt	Cast Iron	-	3
AMR-3FV1		Flange, 4 Bolt	Cast Iron	25mm	3
AMR-S3F1		Flange, 4 Bolt	Stainless Steel	-	3
AMR-S3FV1		Flange, 4 Bolt	Stainless Steel	25mm	3
AM10-3F1	Hi: 0.75 Med: 0.60 Lo: 0.45	Flange, 4 Bolt	Cast Iron	-	3
AM10-3FV1		Flange, 4 Bolt	Cast Iron	32mm	3
AM10-S3F1		Flange, 4 Bolt	Stainless Steel	-	3
AM10-S3FV1		Flange, 4 Bolt	Stainless Steel	32mm	3

PERFORMANCE DATA

Single Speed without Check Valve



3-Speed without Check Valve



Note: Units with check valves have slightly lower performance. (Curves available upon request)

PUMP DIMENSIONS & WEIGHT

	A		B		C		D		F		G		Ship Wt.	
Model	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	Lbs.	Kg
AM2-RC1	5-1/2	140	4-5/8	117	2-3/8	60	3-3/16	81	3-3/8	86	5	127	5.1	2.3
AM3-BE1, AM3-BC1	5-1/2	140	4-5/8	117	2-1/4	57	3-3/16	81	3-3/8	86	4-1/2	114	4.6	2.1
AM3-ST1	5-1/2	140	4-5/8	117	2-3/8	60	3-3/16	81	3-3/8	86	5	127	4.8	2.2
AM3-SUEV1, AM3-SUCV1	5-1/2	140	4-5/8	117	3-1/4	83	3-3/16	81	4-7/8	124	6-13/16	173	5.1	2.3
AM5-F1, AM5-FV1, AM5-SF1, AM5-SFV1	6-5/16	160	4-3/8	111	3-3/16	81	3-3/16	81	4-7/8	124	6-3/8	162	6.6	3.0
AM5-BF1, AM5-BFV1	6-1/8	156	4-3/16	106	3-3/16	81	3-3/16	75	4-5/8	117	6-3/8	162	7.1	3.2
AM6-BE1, AM6-BC1	5-1/2	140	4-5/8	117	2-1/4	57	3-3/16	81	3-3/8	86	4-1/2	114	4.6	2.1
AM6-ST1	5-1/2	140	4-5/8	117	2-3/8	60	3-3/16	81	3-3/8	86	5	127	4.8	2.2
AM6-SUEV1, AM6-SUCV1	5-1/2	140	4-5/8	117	3-1/4	83	3-3/16	81	4-7/8	124	6-13/16	173	4.65	2.3
AM7-F1, AM7-FV1, AM7-SF1, AM7-SFV1	6-5/16	160	4-3/8	111	3-3/16	81	3-3/16	81	4-7/8	124	6-3/8	162	6.6	3.0
AM7-BF1, AM7-BFV1	6-1/8	156	4-3/16	106	3-3/16	81	3-3/16	75	4-5/8	117	6-3/8	162	7.1	3.2
AMR-3F1, AMR-3FV1, AMR-S3F1, AMR-S3FV1	6-1/2	165	4-9/16	116	2-3/4	70	3-3/16	81	4-7/8	124	6-3/8	162	7.6	3.4
AM10-3F1, AM10-3FV1, AM10-S3F1, AM10-S3FV1	6-11/16	170	4-3/4	121	2-3/4	70	3-3/16	81	4-7/8	124	6-3/8	162	7.9	3.6

