

MARCH PUMPS

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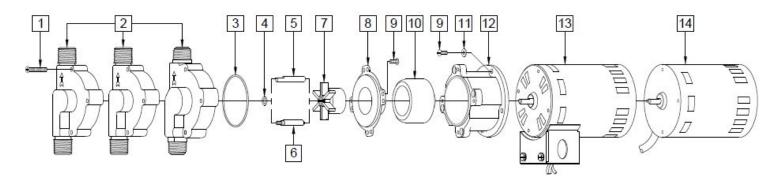
DESCRIPTION & OPERATION: 815 Series hot water booster centrifugal magnetic drive pumps are built to handle liquid transfer in heating and cooling operations. Contact the factory for application assistance. Pumps are not self-priming, lack a suction lift, and thus require a flooded suction. Pumps cannot be run dry.

INSTALLATION: 815 pumps should be installed with the pump housing arrow pointing in the direction of flow within the system. If the arrow indicating flow is not in the direction required, remove the housing screws holding the housing to the motor bracket and rotate the housing assembly as required. Replace the screws and tighten. The pump is composed of a wet end assembly which can be separated by unscrewing the housing screws. The pump will then separate into 2 parts. The liquid will be contained within the wet end assembly unless the rear housing screws on the rear housing are loosened.

<u>GENERAL SAFETY INFORMATION</u>: Follow all local safety codes & the Occupational Safety and Health Act (OSHA). Make certain that the power source conforms to the requirements of your equipment. Always disconnect power source before performing any work on or near the electric motor. Caution must be exercised to relieve any pressure in the system & in draining hot water from the pump or the system.

ELECTRICAL: Motors are available in 115V 50/60 Hz or 230 Volt 50/60 Hz, 1 Phase. The motors are U.L. listed, rated for continuous duty, and have a conduit box or cord.

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Specifications					81	L5-BR	8	815-PL 815-SS							4								- 1	
Product			115V		0809-0	058-04	00 0809-	809-0017-0200 0809-0215-0900							2							\mathbf{t}		
			230V		0809-0	017-01	00 0809-	09-0017-0300 0809-03		09-0215-1100					1	2 .	+			-		`	\uparrow	
Inlet-Outlet				1	./2"MP	T-1/2″№	/IPT 1/2"MI	2"MPT-1/2"MPT 1/2"MPT-1/2"MPT		т					_	+					`	-++	2	
Max Internal Pressure				:	150PSI	50PSI (1034 kPa) 50PSI (344 kPa) 150PSI (1034 kPa)										0	1	2	3 4	5	6	7	8	9
Max Liquid Temperature					250F	= (121C)	250	F (121C)	250	= (121C)						U		2		S.P.M.	0		0	5
			60Hz									50Hz												
	Max Flow		Max Head				Electrical					Max Flow Max Head				ad	Electrical				Packe	ed Weight		
Model	GPM	LPM	FT	PSI	М	Ph	V	А	HP	kW	RPM	GPM	LPM	Feet	PSI	М	Ph	V	А	HP	kW	RPM	P	ounds
815-BR	7	26.5	18.6	8	5.7	1	115 or 230	1.4 or 0.7	1/25	0.029	3450	6	22.7	13.5	5.8	4.1	1	115 or 230	1.4 or 0.7	1/25	0.029	2850	6	
809-PL	7	26.5	18.6	8	5.7	1	115 or 230	1.4 or 0.7	1/25	0.029	3450	6	22.7	13.5	5.8	4.1	1	115 or 230	1.4 or 0.7	1/25	0.029	2850	5	
809-SS	7	26.5	18.6	8	5.7	1	115 or 230	1.4 or 0.7	1/25	0.029	3450	6	22.7	13.5	5.8	4.1	1	115 or 230	1.4 or 0.7	1/25	0.029	2850	6	
	•			All	specif	ication	s & data are	based on pu	mping wa	ter & are	intende	ed as a	guidelir	ne only	. Spec	cificatio	ons ma	ay vary with	different mo	otors.				



			815-BR		815-PL							
ltem	Part Number	QTY REQ	Description		Part Number	QTY REQ	Description					
1	0923-0003-1000	4	#8-32 x 1 Lg. Screw (Steel)	1	0923-0003-1000	4	#8-32 x 1 Lg. Screw (Steel)					
2	0809-0013-0000	1	Pump Housing (Bronze)	2	0809-0079-0100	1	Pump Housing (Polysulfone)					
3	0809-0165-1000	1	0.070 CS x 2.441 ID O-Ring (Silicone)	3	0809-0027-1000	1	1/16 CS x 2-3/8 ID O-Ring (Silicone)					
4	0809-0043-1000	1	Thrust Washer (Teflon)	4	0809-0043-1000	1	Thrust Washer (Teflon)					
6	0809-0214-1000	1	Left-Hand Thread (Stainless Steel)	5	0809-0161-1000	1	"D" Flat Shaft (Stainless Steel)					
7	0809-0107-0200	1	2-5/32" Impeller (Ryton/Teflon/Glass)	7	0809-0107-0200	1	2-5/32" Impeller (Ryton/Teflon/Glass)					
8	0809-0012-1000	1	Rear Housing (Stainless)	8	0809-0012-1000	1	Rear Housing (Stainless)					
9	0135-0040-1000	8	#8-32 x 3/8Lg. Screw (Stainless)	9	0135-0040-1000	8	#8-32 x 3/8Lg. Screw (Stainless)					
10	0125-0083-0100	1	Drive Magnet	10	0125-0083-0100	1	Drive Magnet					
11	0858-0004-1000	4	#8 Washer (Stainless)	11	0858-0004-1000	4	#8 Washer (Stainless)					
12	0809-0058-1000	1	Motor Bracket (Plastic)	12	0809-0058-1000	1	Motor Bracket (Plastic)					
13	0809-0090-1000	1	Motor 115V, 50/60Hz , Conduit Box	13	0809-0090-1000	1	Motor 115V, 50/60Hz , Conduit Box					
14	0135-0037-1000	1	Motor 230V, 50/60Hz, Cord	14	0135-0037-1000	1	Motor 230V, 50/60Hz, Cord					
			815-SS	LUBRICATION: The motor should be oiled at least once a year at the start of the								
1	0809-0205-1000	4	#8-32 x 1 Lg. Screw (Stainless)		heating season with 4 or 5 drops of SAE 20 weight non-detergent oil in each bearing. If the pump is used daily, it should be oiled every six months. Do not over							
2	0809-0211-0010	1	Pump Housing (Stainless Steel)	bean	Secting. If the pump is used daily, it should be oned every six months. D0 not over							
3	0809-0165-1000	1	0.070 CS x 2.441 ID O-Ring (Silicone)	DISAS	DISASSEMBLY & REASSEMBLY: The motor can be removed from the wet end as-							
4	0809-0043-1000	1	Thrust Washer (Teflon)		sembly without draining the liquid from the system. To do so remove four housing screws and slide the motor assembly away. If parts inside the wet end assembly							
6	0809-0214-1000	1	Left-Hand Thread (Stainless Steel)		must be removed, isolate the pump or drain the system. When the system is drained and cool, remove the four screws from the rear of the housing. The rear housing can now be removed. Remaining pump parts can be removed. Replace any worn or damaged parts. Replace the O-ring anytime the rear housing is removed.							
7	0809-0107-0200	1	2-5/32" Impeller (Ryton/Teflon/Glass)									
8	0809-0012-1000	1	Rear Housing (Stainless)									
9	0135-0040-1000	8	#8-32 x 3/8Lg. Screw (Stainless)		U .							
10	0125-0083-0100	1	Drive Magnet	Mate	Materials in contact with the liquid:							
11	0858-0004-1000	4	#8 Washer (Stainless)	815-E	BR: Bronze, Stainle	ss Stee	l, Ryton/Teflon/Carbon, Silicone, Teflon					
12	0809-0058-1000	1	Motor Bracket (Plastic)	815-P	815-PL: Polysulfone, Stainless Steel, Ryton/Teflon/Carbon, Silicone, Teflon							
13	13 0809-0090-1000 1 Motor 115V, 50/60Hz , Conduit Box 815-SS: Stainless Steel, Ryton/Teflon/Carbon, Silicone, Teflor											
14	0135-0037-1000	1	Motor 230V, 50/60Hz, Cord									
NOTE	: Contact Factory f	or othe	r materials and/or parts not listed.			Spe	cial voltage motors are available upon special order.					
LIMITED WARRANTY: March pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture pumping												

water. For the complete warranty and to register online go to www.marchpump.com/warranty-registration