

		1717 Doolittle Dr. San Leandro, CA 94577, USA Phone: 1-510-483-7370 FAX: 1-510-483-7371		<b>Energy Recovery, Inc.</b> <b>Technical</b> <b>Specifications Sheet</b>			REV	BY	CKD	REVISION	DATE	
							0	EAT	ERJ	Initial Release	2/28/2021	
DESCRIPTION: <b>TECHNICAL DATA SHEET</b> <b>ATMP-893-14 PUMP</b>				SHEET		1	SYB	DKH	Revision 1	8/18/2022		
				1 of 1		Document Number		80760-01				
				MANUFACTURER		ERI						
1. Part Number		92375-14		2. Service:			3. Reference:					
OPERATING DATA	Liquid	Seawater	33	MATERIALS	Shaft Seal Housing	SAF 2507 Super Duplex SS						
	Specific Gravity	1.03	34		Bell Housing	Epoxy Coated GG25 Cast Iron						
	Viscosity	1.060 cP @ 70°F (21.1°C)	35		Impeller	EN 1.4539; SAE 904 L; UNS N08904						
	Operating Temperature	33°F - 104°F (0.6°C - 40°C)	36		Impeller Bushing	EN 1.4539; SAE 904 L; UNS N08904						
	Minimum Flow	See ERI Document 80765-01	37		Wear Ring	EN 1.4539; SAE 904 L; UNS N08904						
	Maximum Flow	See ERI Document 80765-01	38		Integrated Check Valve	EN 1.4539; SAE 904 L; UNS N08904						
	Minimum Inlet Pressure	14.5 psi (1 bar)	39		Sleeve	EN 1.4462; SAF 2205; Duplex SS						
	Maximum Outlet Pressure	1200 psi (83 bar)	40		Shaft	EN 1.4462; SAF 2205; Duplex SS						
	NPSH <sub>R</sub>	14.5 psi (1 bar)	41		Inlet/Outlet	SAF 2507 Super Duplex SS						
	Maximum Design Speed	VFD Operated up to 5500 RPM	42		Elastomeric Seals	NBR (neoprene) Rubber						
	Efficiency	See ERI Document 80765-01	43		Shaft Coupling	SAF 2205 Duplex SS						
	Pump Power	See ERI Document 80765-01	44		Coupling Guard	Stainless Steel						
	Number of Stages	14	45		Motor Support	Steel with Epoxy Paint						
	Inlet Size	3" (DN 80)	46		Fasteners (non wetted)	Stainless Steel (EN 1.4301) - 304 SS						
	DESIGN	Outlet Size	3" (DN 80)		47	MOTOR	Frame Size	225S				
Inlet Connection		Grooved Pipe	48	Frequency	50/60 Hz - Inverter Duty							
Outlet Connection		Grooved Pipe	49	Maximum Rated Power	114 HP (85 kW)							
Impeller Diameter		3.5" (89.3 mm)	50	Type	Horizontal FF-400 C-face IEC, IP54							
Minimum Impeller Diameter		N/A	51	Voltage	380-440/441-500 Volts at 50/50/60 Hz							
Maximum Impeller Diameter		N/A	52	Phase	3							
Seal Lubrication		API Plan 02	53	Manufacturer	Siemens							
Shaft Seal		Pressure Balance Mechanical Seal	54	Tropicalization	Optional							
Seal Face Materials		Ceramic/Silicon Carbide	55	Paint System	Manufacturer Standard C2							
Shaft Seal Manufacturer		Manufacturer's standard	56	TESTING	Case Hydrostatic		1750 psi (120 bar)					
Shaft Coupling		Torsionally Flexible	57		Impeller Balance		N/A					
Thrust Bearing Housing		SAF 2507 Super Duplex Stainless Steel	58		Motor Test		See Motor TDS					
Direction of Rotation		CW facing pump drive end	59		Witness Test		Optional					
Casing Split	Radial	60	Material Certs		Optional							
Thrust Bearing	Ceramic and Carbon	61	Curve Tolerance		ISO9906:2012 3B							
Casing Drain	N/A		Shipping Dimensions		83" x 31" x 31" (210cm x 78cm x 78cm)							
Notes:												
ERI RESERVES THE RIGHT TO MAKE SPECIFICATION CHANGES AT ANY TIME WITHOUT PRIOR NOTICE.												
PRICE: <a href="mailto:desalsales@energyrecovery.com">desalsales@energyrecovery.com</a>				SHIPPING:				DELIVERY:				
MANUFACTURER: Energy Recovery, Inc.				MODEL NO. ATMP-893-14				WEIGHT: 970 lb (440 kg)				



Ordering data: 1PC3106-2BB00-0AA1

Motor type: 1CV3220B

Client order no.:

Item no.: Grundfos PN 98930836

Order no.:

Consignment no.:

Offer no.:

Project:

Remarks:

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			No. of Poles
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4			4/4			
400	Δ	184	85.00	- / -	155	5495	148	93.04			0.85			4
IM B35 / IM 2001			FS 225 S		300 kg	IP54	IEC/EN 60034	IEC, EN, UL, CSA			S9 Inverter duty			

### Mechanical data

Sound pressure level 50Hz/60Hz (load)	89 db(A)
Moment of inertia	0.42 kg m <sup>2</sup>
Bearing DE   NDE	6213/HC5 C4   6213/HC5 C4
Relubrication interval/quantity	20 g   20 g 2000 h
Lubricants	Mobilith SHC100
Regreasing device	with regreasing nipple
Grease nipple	M10x1 DIN 71412 A
Type of bearing	Locating bearing NDE
Condensate drainage holes	Yes
External earthing terminal	Yes
Vibration class	A
Insulation	180(H) to 155(F)
Duty type	S9 Inverter duty
Direction of rotation	bidirectional
Frame material	cast iron
Data of anti condensation heating	-/-
Coating	Standard paint finish C2
Color	RAL9005
Motor protection	3 resistance thermometers PT100
Method of cooling	IC411 - self ventilated, surface cooled

### Terminal box

Terminal box position	top
Material of terminal box	cast iron
Type of terminal box	TB1 N01
Contact screw thread	M10
Max. cross-sectional area	120.0 mm <sup>2</sup>
Cable diameter from ... to ...	34.0 mm - 42.0 mm
Cable entry	1xM63x1,5
Cable gland	- / -

### Environmental conditions

Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m

### Special design