

		1717 Doolittle Dr. San Leandro, CA 94577, USA Phone: 1-510-483-7370 FAX: 1-510-483-7371		Energy Recovery, Inc. Technical Specifications Sheet			REV	BY	CKD	REVISION	DATE		
		SHEET 1 of 1			0	SYB	DKH	Initial Release	8/18/2022				
DESCRIPTION: TECHNICAL DATA SHEET ATMP-886-19 PUMP				Document Number 80830-01			MANUFACTURER ERI						
1. Part Number		92374-19		2. Service:			3. Reference:						
OPERATING DATA	4	Liquid	Seawater	33	MATERIALS	Shaft Seal Housing	SAF 2507 Super Duplex SS						
	5	Specific Gravity	1.03	34		Bell Housing	Epoxy Coated GG25 Cast Iron						
	6	Viscosity	1.060 cP @ 70°F (21.1°C)	35		Impeller	EN 1.4539; SAE 904 L; UNS N08904						
	7	Operating Temperature	33°F - 104°F (0.6°C - 40°C)	36		Impeller Bushing	EN 1.4539; SAE 904 L; UNS N08904						
	8	Minimum Flow	See ERI Document 80850-01	37		Wear Ring	EN 1.4539; SAE 904 L; UNS N08904						
	9	Maximum Flow	See ERI Document 80850-01	38		Integrated Check Valve	EN 1.4539; SAE 904 L; UNS N08904						
	10	Minimum Inlet Pressure	14.5psi (1 bar)	39		Sleeve	EN 1.4462; SAF 2205; Duplex SS						
	11	Maximum Outlet Pressure	1200 psi (83 bar)	40		Shaft	EN 1.4462; SAF 2205; Duplex SS						
	12	NPSH _R	14.5psi (1 bar)	41		Inlet/Outlet	SAF 2507 Super Duplex SS						
	13	Maximum Design Speed	VFD Operated up to 5500 RPM	42		Elastomeric Seals	NBR (neoprene) Rubber						
	14	Efficiency	See ERI Document 80850-01	43		Shaft Coupling	EN 1.4462; SAF 2205; Duplex SS						
	15	Pump Power	See ERI Document 80850-01	44		Coupling Guard	Stainless Steel						
	DESIGN	16	Number of Stages	19		45	MOTOR	Motor Support	Steel with Epoxy Paint				
		17	Inlet Size	3" (DN 80)		46		Fasteners (non wetted)	Stainless Steel (EN 1.4301) - 304 SS				
		18	Outlet Size	3" (DN 80)		47		Frame Size	225S				
19		Inlet Connection	Grooved Pipe	48	Frequency	50/60 Hz - Inverter Duty							
20		Outlet Connection	Grooved Pipe	49	Maximum Rated Power	94 HP (70 kW)							
21		Impeller Diameter	3.5" (88.6 mm)	50	Type	Horizontal FF-400 C-face IEC, IP54							
22		Minimum Impeller Diameter	N/A	51	Voltage	380-440/441-500 Volts at 50/50/60 Hz							
23		Maximum Impeller Diameter	N/A	52	Phase	3							
24		Seal Lubrication	API Plan 02	53	Manufacturer	Siemens							
25		Shaft Seal	Pressure Balance Mechanical Seal	54	Tropicalization	Optional							
26		Seal Face Materials	Ceramic/Silicon Carbide	55	Paint System	Manufacturer Standard C2							
TESTING		27	Shaft Seal Manufacturer	Manufacturer's standard	56	Case Hydrostatic		1750 psi (120 bar)					
	28	Shaft Coupling	Torsionally Flexible	57	Impeller Balance	N/A							
	29	Thrust Bearing Housing	SAF 2507 Super Duplex Stainless Steel	58	Motor Test	See Motor TDS							
	30	Direction of Rotation	CW facing pump drive end	59	Witness Test	Optional							
	31	Casing Split	Radial	60	Material Certs	Optional							
	32	Thrust Bearing	Ceramic and Carbon	61	Curve Tolerance	ISO9906:2012 3B							
	33	Casing Drain	N/A		Shipping Dimensions	74" x 33" x 35" (188cm x 83cm x 90cm)							
Notes: ERI RESERVES THE RIGHT TO MAKE SPECIFICATION CHANGES AT ANY TIME WITHOUT PRIOR NOTICE.													
PRICE: desalsales@energyrecovery.com				SHIPPING:				DELIVERY:					
MANUFACTURER: Energy Recovery, Inc.				MODEL NO. ATMP-886-19				WEIGHT: 959 lb (435 kg)					



Ordering data: 1PC3106-2BB00-0AA0

Motor type:

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.: Grundfos PN 98996157

Consignment no.:

Project:

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%]			Power factor at ... load			No. of Poles
								4/4			4/4			
400	Δ	184	70.00	- / -	130	5500	122	85.9			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		Terminal box	
Sound pressure level 50Hz/60Hz (load)	89 db(A)	Terminal box position	top
Moment of inertia	0.42 kg m ²	Material of terminal box	cast iron
Bearing DE NDE	6213/HC5 C4 6213/HC5 C4	Type of terminal box	TB1 N01
Relubrication interval/quantity	20 g 20 g 2000 h	Contact screw thread	M10
Lubricants	Mobilith SHC100	Max. cross-sectional area	120.0 mm ²
Regreasing device	with regreasing nipple	Cable diameter from ... to ...	34.0 mm - 42.0 mm
Grease nipple	M10x1 DIN 71412 A	Cable entry	1xM63x1,5
Type of bearing	Locating bearing NDE	Cable gland	- / -
Condensate drainage holes	Ye	Environmental conditions	
External earthing terminal	Yes	Ambient temperature	-20 °C - +40 °C
Vibration class	A	Altitude above sea level	1000 m
Insulation	180(H) to 155(F)	Special design	
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		