

		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		
				0	AGR	AA	Initial Release	4/29/2025					
DESCRIPTION: TECHNICAL DATA SHEET ATMP-1550-12 PUMP				SHEET									
				1 of 1									
				Document Number									
80945-01													
MANUFACTURER													
ERI													
1. Part Number		92381-12		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	32°F - 104°F (0°C - 40°C)		36		Impeller Bushing	EN 1.4539; SAE 904 L; UNS N08904						
	Minimum Flow	See ERI Document [curve doc]		37		Wear Ring	EN 1.4539; SAE 904 L; UNS N08904						
	Maximum Flow	See ERI Document [curve doc]		38		Integrated Check Valve	EN 1.4539; SAE 904 L; UNS N08904						
	Minimum Inlet Pressure	14.5psi (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 _R	See ERI Document [curve doc]		41		Inlet/Outlet	SAF 2507 Super Duplex SS						
	Maximum Design Speed	VFD Operated up to 3550 RPM		42		Elastomeric Seals	NBR (neoprene) Rubber						
	Efficiency	See ERI Document [curve doc]		43		Shaft Coupling	EN 1.4462; SAF 2205; Duplex SS						
	Pump Power	See ERI Document [curve doc]		44		Coupling Guard	Stainless Steel						
	DESIGN	Number of Stages	12			45	MOTOR	Motor Support	Steel with Epoxy Paint				
		Inlet Size	6" (DN 150)			46		Fasteners (non wetted)	Stainless Steel (EN 1.4301) - 304 SS				
		Outlet Size	6" (DN 150)			47		Frame Size	315L				
Inlet Connection		Grooved Pipe		48	Frequency	50/60 Hz - Inverter Duty							
Outlet Connection		Grooved Pipe		49	Maximum Rated Power	335 HP (250 kW)							
Impeller Diameter		6.1" (155 mm)		50	Type	Horizontal FF-600 C-face IEC, IP54							
Minimum Impeller Diameter		N/A		51	Voltage	380/440 Volts at 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		33										
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-1550-12				WEIGHT: 4,319 lb (1,959 kg)					