



1908 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	ABK	JGM	Initial Release	6/4/2009
SHEET 1 of 1				
Document Number <b>80172-03</b>				
MANUFACTURER <b>ERI</b>				

**DESCRIPTION:**  
**TECHNICAL DATA SHEET, HP-**  
**1253 CIRCULATION PUMP**

1. Part Number	<b>50002-01</b>	2. Service:		3. Reference:	
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OPERATING DATA	4	Liquid	Seawater	32	Bell Housing	6000 Series Aluminum	
	5	Specific Gravity	1.03	33	Inlet / Outlet Castings	CN3MN	
	6	Viscosity	1.060 cP @ 70°F (21.1°C)	34	Impeller	Noryl	
	7	Operating Temperature	33°F - 120°F (0.6°C - 49°C)	35	Shaft / Shell / Wetted Metals	AL6XN or C-276	
	8	Minimum Flow	See ERI Document 80044-03	36	Shaft Bushing	Rulon	
	9	Maximum Flow	See ERI Document 80044-03	37	Shaft Coupling	Titanium	
	10	Maximum Inlet Pressure	1200 psi (83 bar)	38	Gaskets	EPDM	
	11	Maximum Outlet Pressure	1200 psi (83 bar)	39	Seal Body	316 SS	
	12	NPSH <sub>r</sub>	15 psi (1 bar)	40	Fasteners	316 SS	
	13	Maximum Design Speed	VFD Operated up to 3600 RPM	41			
	14	Efficiency	See ERI Document 80044-03	42	NEMA Frame	215T	
	15	Pump Power	See ERI Document 80044-03	43	Frequency	50/60 Hz	
	DESIGN	16	Number of Stages	3	44	Maximum Rated Power	10 HP (7.5 kW)
		17	Inlet	3" (DN 80)	45	Type	TEFC
		18	Outlet	3" (DN 80)	46	Voltage	230/460/575 at 60Hz & 200/380 at 50 Hz
19		Piping Connections	Grooved-End Flexible Pipe Coupling	47	Phase	3	
20		Seal Lubrication	Plan 01, Internal Recirculation	48	Space Heater	Optional	
21		Shaft Seal	Pressure Balance Mechanical Seal	49	Fungus Proofing/Tropicaliza	Optional	
22		Seal Face Materials	Silicon Carbide / Silicon Carbide	50	Thermal Protection	Optional	
23		Shaft Seal Manufacturer	Manufactured for ERI	51	CE Marking	Optional	
24		Shaft Coupling	Rigid	52	Performance	Tested up to 1200 psi (83 bar)	
25		Thrust Bearing	In Motor	53	Witnessed Test	Optional	
26	Direction of Rotation	CCW from Drive	54				
INSPECTION	27	Outside Dimensions	Standard	55	Shipping Dimensions	19 x 20 x 56in. (47 x 50 x 142mm)	
	28	Internal Dimensions	Standard	56	Shipping Weight	300 lb (136 kg)	
	29	Material Certificates	Standard	57			
	30	Visual	Standard	58			
	31	Packing and Crating	Standard	59			

**Notes:**

AL-6XN is a registered trademark of Alleghany Ludlum

ERI RESERVES THE RIGHT TO MAKE SPECIFICATION CHANGES AT ANY TIME WITHOUT PRIOR NOTICE.

PRICE: [sales@energyrecovery.com](mailto:sales@energyrecovery.com)

MANUFACTURER: **Energy Recovery, Inc.**

MODEL NO. **50002-01**

WEIGHT: **230 lb. (100kg)**