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**Energy Recovery,
Inc. Pressure
Exchanger
PX - 60**

REV	BY	CKD	REVISION	DATE
0	RBC	RLS	Issued for distribution	3/30/2004
SHEET 1 of 1				
Document Number 80002-01				
MANUFACTURER ERI				

**DESCRIPTION:
TECHNICAL DATA SHEET,
POSITIVE DISPLACEMENT ENERGY
RECOVERY DEVICE**

1. Tag:	2. Service:	3. Reference:
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Item No.	Category	Description	Value	Item No.	Category	Description	Value	Yes	No
4	OPERATING CONDITIONS	Liquid	Seawater	42	TEST	Manufacturer's Std.		<input checked="" type="checkbox"/>	<input type="checkbox"/>
5		Operating Temperature	33°F-113°F (0.6-45°C)	43		Performance		<input checked="" type="checkbox"/>	<input type="checkbox"/>
6		Max Temperature	113°F (45°C)	44		Case Hydrotest		<input type="checkbox"/>	<input checked="" type="checkbox"/>
7		Specific Gravity	1025.18 kg/cu.m	45		Dismantle and Inspection		<input type="checkbox"/>	<input checked="" type="checkbox"/>
8		Vapor Pressure [psia]	water=1.0 @ 100°F	46		Cavitation Test		<input checked="" type="checkbox"/>	<input type="checkbox"/>
9		Viscosity (cP)	1.060 cP @ 70°F	47		Vibration Test		<input checked="" type="checkbox"/>	<input type="checkbox"/>
10		High Pressure Inlet Max. Rated Flow [gpm]	60 gpm (13.6 m3/hr)	48	Witnessed Test		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11		Low Pressure Outlet Max. Rated Flow [gpm]	60 gpm (13.6 m3/hr)	49					
12		Rated Max. High Pressure [psig]	1200 psig (82.7 bar)	50	INSPECTIONS	Piping Dimensions		<input checked="" type="checkbox"/>	<input type="checkbox"/>
13		Rated Max. Low Pressure [psig]	150 psig (10.3 bar)	51		Port Connections		<input checked="" type="checkbox"/>	<input type="checkbox"/>
14		Maximum High Pressure Suction [psig]	1200 psig (82.7 bar)	52		Vessel Housing Dimensions		<input checked="" type="checkbox"/>	<input type="checkbox"/>
15		Minimum Low Pressure Suction [psig]	N/A	53		Ceramic Dimensions		<input checked="" type="checkbox"/>	<input type="checkbox"/>
16		Minimum Discharge Pressure (MDP)	14.5 psig (1 bar)	54					
17		Peak Efficiency [%]	95%	55					
18		High Pressure Flow Differential [psig]	22.5 psig @ 60 gpm(13.6m3/h)	56					
19		Low Pressure Flow Differential [psig]	43 psig @ 60 gpm(13.6m3/hr)	57					
20	Maximum Lubrication Flow [gpm]	1.50 gpm (0.34m3/hr)	58	SHIPPING WEIGHT & DIMENSIONS	Shipping Dimensions				
21	Maximum Speed [rpm]	1400 rpm	59		Shipping Weight	55 lbs. (25 kgs.)			
22	Salinity Increase at Membranes at 40% Recovery	2-3%	60		Cartridge Weight				
23	Maximum Noise Allowable [dBA]	85 dBA	61		Cartridge Shipping Dimensions				
24			62		Spare Parts Kit Weight				
25			63	Spare Parts Kit Dimensions					
26	MATERIALS	Vessel/ Housing	GRP	64	Tool Kit Weight				
27		Rotor, Sleeve, Endcover Assembly	Ceramics-alumina	65	Tool Kit Dimensions				
28		Low Pressure Inlet Port Fitting	PVC	66					
29		Low Pressure Outlet Port Fitting	PVC	67					
30		*High Pressure Inlet Port Fitting	*AL-6XN	68					
31		*High Pressure Outlet Port Fitting	*AL-6XN	69					
32		LP Foundation, LP adapter	PVC/GRP	70					
33		Fasteners/Hardware (non-wetted)	316SS/PVC	71					
34		Tension Rod Assembly	316SS/PVC	72					
35		O-rings	EPDM	73					
36	PIPING CONNECTIONS	Low Pressure Inlet Port Fitting	1-1/2" flexible type	74	MISCELLANEOUS				
37		Low Pressure Outlet Port Fitting	1-1/2" flexible type	75					
38		High Pressure Inlet Port Fitting	1" flexible type	76					
39		High Pressure Outlet Port Fitting	1" flexible type	77					
40				78					
41			79						

*AL-6XN is a registered trademark of Allegheny Ludlum

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

PRICE: sales@energy-recovery.com	SHIPPING:	DELIVERY:
MANUFACTURER: Energy Recovery, Inc.	MODEL NO. PX-60	WEIGHT: 47.5 lbs.