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**Energy Recovery,
Inc. Pressure
Exchanger
PX - 260**

REV	BY	CKD	REVISION	DATE
0	IBC	RLS	Issued for Distribution	11/2/2007
SHEET				
1 of 1				
Document Number				
80087-01				
MANUFACTURER				
ERI				

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

Part Number	40018-01-0	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-120°F (0.6-49°C)	43		Performance		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6		Max Temperature	120°F (49°C)	44		Case Hydrotest		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
7		Specific Gravity	1025 kg/m ³	45		Dismantle and Inspection		<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8		Viscosity	1.060 cP @ 70°F (21.1°C)	46		Cavitation Test		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9		Maximum High-Pressure Inlet Flow	260 gpm (59 m ³ /hr)	47		Rotation Speed Test		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10		Maximum Low-Pressure Outlet Flow	260 gpm (59 m ³ /hr)	48		Witnessed Test		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11		High Pressure Outlet, Maximum	1200 psig (82.7 bar)	49						
12		Low Pressure Inlet, Maximum	300 psig (20.7 bar)	50		INSPECTIONS	Piping Dimensions		<input checked="" type="checkbox"/>	<input type="checkbox"/>
13		High Pressure Inlet, Maximum	1200 psig (82.7 bar)	51			Port Connections		<input checked="" type="checkbox"/>	<input type="checkbox"/>
14		Minimum Inlet Low Pressure	N/A	52			Vessel Housing Dimensions		<input checked="" type="checkbox"/>	<input type="checkbox"/>
15		Minimum Discharge Pressure	9 psig (0.6 bar)	53			Ceramic Dimensions		<input checked="" type="checkbox"/>	<input type="checkbox"/>
16		Filtration Requirement (Nominal)	10 µm	54						
17				55						
18		PERFORMANCE	Peak Efficiency	98%			56			
19			Maximum High Pressure Differential	11 psig (0.76 bar) @ 260 gpm		57				
20			Maximum Low Pressure Differential	10 psig (0.70 bar) @ 260 gpm		58				
21	Maximum Lubrication Flow		2.5 gpm (0.56 m ³ /hr)	59						
22	Maximum Speed		1400 rpm	60	SHIPPING WEIGHT & DIMENSIONS	Shipping Dimensions	48" x 17" x 13"			
23	Maximum Salinity Increase at Membranes		3% @ 40% Recovery	61		Shipping Weight	205 lbs. (93 kgs.)			
24	Maximum Noise Allowable		94 dBA	62		Cartridge Weight	65 lbs. (29 kgs.)			
25			63	Cartridge Shipping Dimensions		20" x 12" x 12"				
26	MATERIALS	Housing	**GRP	64		Spare Parts Kit Weight				
27		Rotor, Sleeve, Endcover Assembly	Ceramic-alumina	65		Spare Parts Kit Dimensions				
28		Low Pressure Inlet Port Fitting	CN3MN	66		Tool Kit Weight				
29		Low Pressure Outlet Port Fitting	CN3MN	67	Tool Kit Dimensions					
30		High Pressure Inlet Port Fitting	CN3MN	68						
31		High Pressure Outlet Port Fitting	CN3MN	69						
32		Internal Low Pressure Interconnector/nipple	Titanium/*AL-6XN	70	MISCELLANEOUS					
33	Fasteners/Hardware (non-wetted)	316SS	71							
34	Tension Rod Assembly	*AL-6XN / C-276	72							
35	O-rings	EPDM	73							
36	PIPING CONNECTIONS	Low Pressure Inlet Port Fitting	3" flexible type	74						
37		Low Pressure Outlet Port Fitting	3" flexible type	75						
38		High Pressure Inlet Port Fitting	3" flexible type	76						
39		High Pressure Outlet Port Fitting	3" flexible type	77						
40				78						
41				79						

*AL-6XN is a registered trademark of Allegheny Ludlum
 **Housing designed in accordance with the engineering standards of the Boiler and Pressure Vessel Code of the American Society of Mechanical Engineers.
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-260	WEIGHT:	175 lbs. (79.4 kgs.)