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Energy Recovery, Inc.  
Technical Data Sheet  
CPXP 26

REV	BY	CKD	REVISION	DATE
00	SYB	EK	Initial Release	11/20/2025

Sheet  
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Document number:  
81010-01

**DESCRIPTION:**  
**TECHNICAL DATA SHEET**  
**CPXP 26 High-Pressure Pump**

1. Part number		81010-01		2. Service		SWRO		3. Reference	
1	OPERATING CONDITIONS	Medium	Seawater	37	CURVES	Flow -Pressure Curve	See Pump Curve Doc# 81040-01		
2		Operating Temperature	35.6°F-122°F (2-50°C)	38		Flow-Speed Curve	See Pump Curve Doc# 81040-01		
3		Operating State	Continuous	39		Shaft Power-Pressure Curve	See Pump Curve Doc# 81040-01		
4		Medium Characteristics	Corrosive	40	MATERIALS				
5		Specific Gravity	1030 kg/m³	41		Shaft / Shell / Wetted Metals	2507		
6		Viscosity	1.060 cP @ 70°F (21.1°C)	42		Shaft Coupling	Galv. Steel w/ Zn-Ni Alloy		
7		Filtration Requirement*	10 µm	43		Gaskets	FKM		
8				44		Mechanical Seal	Hastelloy Alloy		
9	Geometric Displacement	70 cm³/rev	45	Fasteners		2507			
10	Max Outlet Pressure	1200 psi (83 bar)	46	Required Motor Power* *		Refer to pump calculation results			
11	Min Outlet Pressure	290 psi (20 bar)	47	Motor Technical Details		Refer to Motor TDS document			
12	Inlet Pressure	29-72.5 psi (2-5 bar)	48	TYPICAL MOTOR SIZE					
13	Min Speed	700 rpm	49		Space Heater/Fungus Proof/Tropicalization	Optional			
14	Max Speed	1,800 rpm	50		Thermal Protection	Optional			
15	Rated Flow@1500rpm&80bar	5.9 m³/h	51						
16	Flow Control	Speed Regulated	52						
17	Inlet	M42X1.5 (DN 40) Female Thread	53		DIMENSIONS	Shipping Dimensions & Weight	See Packaging Drawing Doc# 92510-01		
18	Outlet	M42X1.5 (DN 40) Female Thread	54						
19	Inlet & Outlet Piping Connections	Grooved-End Flexible Coupling DN40 (Optional)	55			SCOPE OF SUPPLY	Pump Head, Motor, Bell Housing, Shaft Coupling. (Optional: Inlet Joint, Outlet Check Valve, Discharge High-Pressure Flexible Hose)		
20	Discharge High-Pressure Flexible Hose	DN40, 1m (Optional)	57						
21	Pump Base	NO	58						
22	Internal Intergrated Flushing Valve	YES	59						
23	Sealing Cooling Method	Self-cooling	60						
24	Bearing Lubrication Method	Self-lubricating	61						
25	Rotation Direction	Clockwise (viewed from the motor towards the pump head)	62						
26			63						
27			64	INSPECTION & TESTS	Material Conformance	Material Certificate			
28			65		Dimensional and Visual Inspection	Certified Drawing			
29			66		External Leakage Test	Test Reports			
30			67		Performance Test	Test Reports			
31			68		Shipping Authorization	Client Shipment Release			
32			69						
33			70						
34			71						
35			72						
36			73						

**NOTES:**  
 \* ERI recommends to use a precision depth filter cartridge with efficiency of 99.98% at 10 micron and β10>5000 to protect the key components of the pump. Bag filters or string-wound filter cartridges are not recommended.  
 \*\* The required motor power depends on your flow rate and pressure. Please contact ERII for accurate motor power information.

PRICE: sales@energyrecovery.com	
MANUFACTURER: Energy Recovery, Inc	MODEL: CPXP 26