



**SUNFLO APPLICATION DATA SHEET**

<b>Customer/Purchaser</b> Name: COSCO Shipyard		Quote No.: 144260 By: Corv Wittwer		File Reference No.: Inquiry No.: Quantity: 1	
<b>Owner/User</b>		Service: Item No: Model No.: FMP3-YJF-50 Serial No.:		Pump Type: P-3000 Purchase Order No.:	
<b>OPERATING CONDITIONS</b>				<b>RATED PERFORMANCE</b>	
Liquid: Sea Water Flow (Design): 45 m <sup>3</sup> /hr Temp. (Normal): 32 C Suct. Pr. (Max): 0.0 Spec. Gravity: 1.0 Diff. Press.: 78.655 Bar Viscosity: 1.0 cP Disch. Press. (g): 78.655 Bar				Temp. (Max): 32C Suct. Pr. (Rated): 0.0 Vapor Press.: 1.0 Diff. Head: 800m NPSH Avail.:	
<b>CONSTRUCTION</b>					
Casing Mounting: Frame Mounted Split: Radial Seal Flush Ports: 1/2" -NPT Impeller Design Type: Open					
Type: Diffuser Seal Drain Ports: 1/2" NPT Port (Qty 1)					
<b>AUXILIARIES</b>					
<b>NOZZLES</b>		<b>SIZ</b>		<b>TYP</b>	
Suction		3"		600 lbs	
Discharge		2"		900 lbs	
<b>FACI</b>		<b>POSITIO</b>		Lube Oil Heat Exchanger: YES Shell & Tube Material: 316 SS      Size: 5x24 2-pass Water Cooling Flow: 5 gpm	
RF (ANSI)		END		Seal Flush Heat Exchanger: None Material:                  Size:	
RF (ANSI)		Horizontal Top		Water Cooling Flow:          GPM Seal Flush Flow:	
Impeller Dia. Design: 131 mm Inducer: Yes Mechanical Seal: Single Gearbox Seal: Mechanical Base Plate: Yes Coupling: Rexnord High Speed Bearing Type: Journal Bearing Frame Mount Bearing Type: Painting: Standard Paint System					
Max: 134.62 mm Diff. Dia.: 14.68 mm Flush Plan: 11 Guard: Yes Lubr: Pressurized Lubr:					
<b>MATERIALS</b>					
Pump Casing: 316 Stainless Steel Impeller: 2205 Duplex HS Shaft: 4140 Steel Pinion Gear: 8620 H Steel Gearbox Housing: Carbon Steel Shaft Sleeve: 316 Stainless Steel Seal Stationary Face: Standard – Carbon (RP) Nickel		Seal Housing: 316 Stainless Steel Inducer: 2205 Duplex Input Shaft: 4140 Steel Drive Gear: 8620H Steel Input Frame: Carbon Steel O-Rings: UA - Nitrile Seal Rot. Face: RJ – Tungsten Carbide w/			
<b>TEST REQUIREMENTS</b>					
Shon Test	Required	Witnessed	Certified		
Performance	Yes	No	Yes		
NPS	No	No	No		
Hydro (Case)	Yes	No	Yes		
Discharge Orifice: Diameter: Auxiliary Piping Required? No By Sundyne? No Auxiliary Lube Pump Required? No					
Other: Hydrostatic Test Press. (g): Max Case Working Press. (g):					
<b>WEIGHTS (lbs)</b>					
Pump Unit:                          lbs Driver:    lbs Baseplate:					
<b>MOTOR DRIVE</b>				<b>By Sundyne</b>	
Power: 200 KW RPM: 3000 Manufacturer: ABB Enclosure: IP 55 Volt/PH.Cyc.: 415/3/50 Full Load Amps: Bearings: Area Classification:		Service Factor: 1.0 Frame: Insulation: Efficiency: Locked Rotor Amps: Lubrication: Motor Remarks:		Hydro (Case)	

REMARKS: