## Roto Jet Pumps



ROH 3x2 S-484

General Pump Options
Roto-Jet General Pump Options
Steel/CA6NM Pump (ASTM - A216/A487)
17-4 PH Pitot Tube
Tungsten Carbide Coated Pitot Tube
Viton O-rings
API Pump Configuration
Direct drive pump design

Seal assembly
Mechanical Seals
Double Stationary Pusher Carbon Seal - Tungsten Carbide Mating Ring
Seal manufacturer - WSP Standard
Stainless steel seal hub/seal plate

Seal flush plan Plan 53A seal flush **Rotor Assembly** 

**Rotor Assembly** 

CA6NM rotor and rotor cover (ASTM - A487)

Inpro seals

Drive and Rotor End Inpro Seals

Manifold

Manifold Configuration

Steel Flanged Manifold (ASTM - A216)

600 LB x 1500 LB RF Flanges

Bearing Housing

**Bearing Housing** 

Cast Iron Bearing Housing

Constant Level Oiler - WSP Standard

Steel Rotor Case

**Bronze Oiler Rings** 

Driver

Motors

200 KW, Horizontal Motor

2 Pole, 60 Hz

TEFC, Ex d Zone 1 and 2, Groups IIA and IIB, T4

460 V

355ML

**Baseplate & Drives** 

**Baseplate Configuration** 

Gear drive base for Milwaukee gearbox

Base design

API steel base design

Couplings - WSP Standard

Milwaukee gearbox 1.5333 ratio

Accessories
Accessories
Steel 2" Valve & Gauge Package

Protective Coatings

Paint manufacturer & type

WSP 3 Coat Epoxy Paint

Testing & Documentation

Testing and Inspection

NACE Certs and Foundry Material Certs - Manifold

NACE Certs and Foundry Material Certs - Rotor

NACE Certs and Foundry Material Certs - Rotor Cover

austomer	: Builen Pump, Inc.	Pump Perform	Quote number	: 291/7.2
austomen reference	. Transfer Pump		Size	. ROH 3x2 S 484
em number	. 001		Slaces	. 1
ervice	:011		Based on curve number	: P7020-SI
uantity	- 4		Date last saved	113 May 2015 5103 PM
	Operating Conditio	IIE		Liquid
w, rated		146 0 USgpm	Liquid type	: User defined
fferential head / pres	sure, rated (requested).	12,890 0 f	Additional liquid description	101
terential head / pres	sure, rated (actual)	: 2,009 0 H	Solids diameter, max	: 0.00 m
chon pressure, rate	d / maxc	: 0.00 / 0.00 psuq	Golds concentration, by volume	: 0.00 %
SH available, rated		. Ample	Temperature, max	. 100.0 deg F
quency		. 60 Hz	Fluid density, rated / max.	. 0. <b>800</b> / 0.800 SG
	Performance		Viscosity, rated	. 50.00 cP
eed, rated		: 5,400 gpm	Vapor pressure, rated	1 00 pst a
eed, maximum		. <b>5</b> ,413 ipm		/aterial
ed, minimum		. 1,325 rpm	Material selected	. Standard
idiency		. 41.38 %		sunc Date
SH required / marg		16 14 / 3 00 ft	Maximum working pressure	: 1,249.4 ps. q
(imp_cyc.flow) / S (	imb_e/c_tow)	13 / 155 Metric units	Maximum allowable working press	
751 		: 10,40 USgpm	Maximum allowable suction pressu	
ad maximum, rated ad use to shutoff	speed	: 2,607 6 H	Hydrostatic test pressure	. 4,035.0 psi.g
oo nee to shuudh w, best ell, pomi (B	HP)	. 24.15 % . 144 5 USgan	University specification	Fower Data : Maximum power
w ratio (rated / BEF		. 101 05 %	Margin over specification	. 0.00 %
cod ratio (roked / ma		99.78.56	Margin over specification Service factor	. 1.15
eduatio (nated speci		99.52.56	Power, hydraulic	: 85.24 hp
VCH/CE/Ch [ANSI/I		: 0.90 / 0.93 / 0.71 / 1.00	Power, rated	206 hp
Selection status		: Acceptable	Hower, maximum, rated speed	: 235 hp
			Minimum recommended motor rating : 250 hp / 196 kW	
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2,000 2,000 2,400 2,200 1,600			4	Excess 40
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Construction Datasheet					
Customer	: Bullen Pump, Inc.	Quote Number	: 2917532		
Project	: Transfer Pump	Model / Size	1ROH 382 S-484		
llem number	. 001	Stages	.1		
Service	: OIL	Fump speed	: 5,430 rpm		
Quantity of pumps	· 4	Date lost saved	113 May 2015 5:03 PM		

Constnuction					Oriver Information	
Nozzie	Size	Rating (ANSI)	Lace	Pos'n	Manufacturer	: UPI Chaice
Suction	5 in	900 lbs.	RI	Left	France	:200 K/V / 270 hp
Discharge	210	1500 lbs.	RI	FogHI	Service factor	DO
Pump Drive Ty	/pc	: Direct drive			Speed	: 3,600 rpm
Pump Oriental	ion	. Horizontal			Motor efficiency	·.
Bearing Type (	(Rad/Thr)	: Dall/Ball			Orientation / Mounting	. Hurizontal/Foot
Bearing Lubrication : Oil - constant level offer			Unvertype	: Liectric		
Rotation (view from shall end)					Frame-size	: 355MI
GIMIN GINA,					Enclosure:	· TEFO
		Materials			Hazardous area dass	. Ex d
Manifold		: Stool (ASTM	- A216)		Explosion rating	: Zone IIA, IIB
Rotor Assemb	b	. CASHM (AST	M (A487)		Volts / Phase / Hz	.480/3/80
Pick-Up Tube		: 17-4 PH			Insulation	: 4
Flastemer		· Viton			Temperature Ribe	••
Shaff		: 4140 carbon	ation		Motor mounted by	- FIPI

Base	plate, Connection and Guard	Sent, C	Scal, Gland and Piping		
Daseplate Type	: Gear drive	Seal Arrangement	: Double		
Baseplate Meterial	: Fabricated steel	Soci Size	· M/A		
Orientation	· Hodzeniai	Manufacturer	* BPI Choles		
Connection Type	. Direct drive	Seal Hub / Seal Plate Maff	. Stainless Steel		
Guard	: Fibergless/Polyethylene	Seal I ace Mat1	: Carpon seal - fungsten carbide mabng nng		
	Weights (Approx.)	Throat Bushing	: N/A		
Dareshaft pump	: 1,200.0 lb	Scal Flush Plan	· Plan 53		
Baseplate	:TBD	Seal Hush Construction	:-		
Driver	4,035 lb				
Gearbox	. 425.0 lb				
liotal weight	: 100				