



Customer Document title:

Flowserve Construction Data Sheet

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Flowserve Document No.: **1400944-016-5009-01**

Document Revision No.: **0**

Flowserve Order No.: **1400944**

Flowserve Serial No.: **1400944CHP016A/D**

Pump Type/Size: **MARK 3 STANDARD / 1K1.5X1-82RV**

Quantity: **4**

Customer Name: **DESMET BALLESTRA NORTH AMERICA**

PROJECT - WORPAR

ITEM NBR - P682H.1/1-P682H.1/2

P682H.2/1-P682H.2/2

eB NBR - 100212994.000

DATE - 22.10.2021

Customer Tag No: **DESMET TAG#: P682H.1/1, CUSTOMER TAG#: 19-P-764A, DESMET TAG#: P682H.1/2, CUSTOMER TAG#: 19-P-764B, DESMET TAG#: P682H.2/1, CUSTOMER TAG#: 19-P-864A, DESMET TAG#: P682H.2/2, CUSTOMER TAG#: 19-P-864B**

Customer PO No.: **28493**

End User: **DESMET BALLESTRA NORTH AMERICA**

Please complete and return:

Document Reviewed by:

Document Reviewed date:

- ☐ **APPROVED. NO ACTION REQUIRED**
☐ **APPROVED. RE-SUBMIT AS FINAL**
☐ **APPROVED WITH COMMENTS. DOCUMENT WILL BE MODIFIED AND RESUBMITTED AS FINAL**
☐ **REJECTED. CORRECT AND RE-SUBMIT FOR APPROVAL**
☐ **FOR INFORMATION. REVIEW NOT REQUIRED**
☐ **AS-BUILT**

- Return any documents sent for review with your comments by the stated return date. All documents not returned two weeks after requested Return date will be considered Approved, no action.
- Purchaser's comments and/or corrections within the scope of contract will be made on the first completed document submitted by Flowserve Corp. and returned.
- Corrections, alterations, additions and/or modifications outside scope of contract or made after first submittal may require an additional engineering service charge.
- Items conditionally approved or with deferred approval by purchaser must be specifically stated otherwise delivery may be affected.

Rev	Revision Description	Released	Release Date
	Internal Only		14-Sep-21

Customer	: DESMET PROCESS & TECHNOLO...				Pump / Stages	: 1K1.5x1-82RV M3 ST / 1	
Customer reference	: WORPAR				Based on curve no.	: MIII7041CV	
Item number	: P682H.1/1, 1/2, 2/1, 2/2				Flowserve reference	: 1989206898	
Service	: Heel Collecting Tank Disch				Date	: August 26, 2021	
Construction					Driver Information		
Nozzles	Size	Rating	Face	Position	Manufacturer	: WEG	
Suction	1.50	150#	FF	End	Power	: 15.0 hp / 11.2 kW	
Discharge	1.00	150#	FF	Top	Service factor (requested / actual)	: 1.15 / 1.15	
Casing mounting				: Foot	Synchronous speed	: 3,600 rpm	
Casing split				: Radial	Orientation / Mounting	: Horizontal / Foot	
Impeller type				: Reverse Vane	Driver type	: NEMA	
Bearing type (radial)				: Sgl Row	Frame-size / material	: 254T / CAST IRON	
Bearing number (radial)				: 6207-C3	Enclosure	: IEEE-841	
Bearing type (thrust)				: Dbl Row	Hazardous area class	: -	
Bearing number (thrust)				: 5306-AC3	Explosion 'T' rating	: -	
Bearing lubrication				: Flood	Volts / Phase / Hz	: 460 / 3 / 60 Hz	
Rotation (view from driver)				: CW per Hyd. Institute	Amps-full load/locked rotor	: 16.90 A / 105.00 A	
Materials					Motor starting	: Direct on line (DOL)	
Casing				: 316SS (D4/CF8M)	Insulation	: F	
Impeller				: 316SS (D4/CF-8M)	Temperature rise	: -	
Seal chamber				: FML Box / (316SS)	Bearings	: Ball	
Shaft				: 316 SS	Lubrication	: Grease	
Sleeve				: No Sleeve	Motor mounted by	: Flowserve	
Baseplate, Coupling and Guard					Sound Pressure (dBA @ 1.0 m)		
Baseplate type				: Type D Reinforced	Driver, expected	: 75.0 dBA	
Baseplate material				: Steel	Pump & driver, estimated	: 81.0 dBA	
Baseplate size				: 148 Baseplate	Seal Information		
Coupling manufacturer				: Rexnord	Arrangement	: Dbl Int O-Ring	
Coupling size				: Thomas 726 Std/Std	Size	: 1.375	
Coupling / Shaft guard				: Aluminum (Non-Spark)	Manufacturer / Type	: Flowserve / ISC2 Pusher	
Shaft / seal guard				: None Supplied	Material code (Man'f/API)	: C2CPP----ECCV- / BDPFN	
Weights (Approx.)					Internal neck bushing	: Not Available	
Bareshaft pump (net)				: 103.0 lb	Gland		
Baseplate (net)				: 243.0 lb	Gland material	: 316SS	
Driver (net)				: 254.0 lb	Flush	: .375" NPT (inlet)	
Shipping gross weight/volume				: 690.0 lb / 16,162 cu.in	Vent	: -	
Testing					Drain	: .375" NPT (outlet)	
Hydrostatic test				: Non witnessed	Auxiliary seal device	: Pumping Ring	
Performance test				: Non witnessed	Piping		
NPSH test				: None	Seal flush plan	: Plan 53	
Paint and Package					Seal flush construction	: -	
Pump paint				: Epoxy Primer & Topcoat	Seal flush material	: -	
Base grout surface prep				: Flowserve St'd D14-3	Aux seal flush plan	: -	
Shipment type				: Domestic	Aux seal flush construction	: -	
					Aux seal flush material	: -	
Notes							
-							
ANSI 3A w/site, magnetic drain plug							
Casing w/1/2" Plugged Drain (NPT)							
-							
-							
XSD Drawing No. 0000AMK3SXX1KXXFTRVSSMSFM							

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