



Customer Document title:

Flowserve Construction Data Sheet

Flowserve Document title: **Flowserve Construction Data Sheet**Flowserve Document No.: **1400944-002-5009-01**

PROJECT - WORPAR

Document Revision No.: **0**

ITEM NBR - PW502.1/1-PW502.1/2

Flowserve Order No.: **1400944**

PW502.2/1-PW502.2/2

Flowserve Serial No.: **1400944CHP002A/D**

eB NBR - 100212854.000

Pump Type/Size: **MARK 3 STANDARD / 2K4X3-10OP**

DATE - 22.10.2021

Quantity: **4**Customer Name: **DESMET BALLESTRA NORTH AMERICA**

Customer Tag No: **DESMET TAG#: PW502.1/1, CUSTOMER TAG#: 19-P-754A, DESMET TAG#: PW502.1/2,
CUSTOMER TAG #: 19-P-754B, DESMET TAG#: PW502.2/1, CUSTOMER TAG#: 19-P-
854A, DESMET TAG#: PW502.2/2, CUSTOMER TAG#: 19-P-854B**

Customer PO No.: **28493**End User: **DESMET BALLESTRA NORTH AMERICA****Please complete and return:**

Document Reviewed by:		Document Reviewed date:	
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- 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 & TECHNOLOGY				Pump / Stages	: 2K4x3-10OP M3 ST	/ 1						
Customer reference	: WORPAR				Based on curve no.	: MIII7885AV							
Item number	: PW502.1/1, 1/2, 2/1, 2/2				Flowserve reference	: 1989206898							
Service	: Degummed Oil Surge				Date	: August 25, 2021							
Construction					Driver Information								
Nozzles	Size	Rating	Face	Position	Manufacturer	: WEG							
Suction	4.00	150#	FF	End	Power	: 60.0 hp / 44.7 kW							
Discharge	3.00	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	: Open				Driver type	: NEMA							
Bearing type (radial)	: Sgl Row				Frame-size / material	: 364TS / CAST IRON							
Bearing number (radial)	: 6310-C3				Enclosure	: IEEE-841							
Bearing type (thrust)	: Dbl Row				Hazardous area class	: -							
Bearing number (thrust)	: 5310-AHC3				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	: 66.80 A / 427.00 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	: 83.0 dBA							
Baseplate material	: Steel				Pump & driver, estimated	: 86.0 dBA							
Baseplate size	: 264 Baseplate				Seal Information								
Coupling manufacturer	: Rexnord				Arrangement	: Sgl Int O-Ring							
Coupling size	: Thomas 726 Std/XL				Size	: 1.875							
Coupling / Shaft guard	: Aluminum (Non-Spark)				Manufacturer / Type	: Flowserve / ISC2 Pusher							
Shaft / seal guard	: None Supplied				Material code (Man/f/API)	: C2CPX----ECXV- / BSTFN							
Weights (Approx.)					Internal neck bushing	: Not Available							
Bareshaft pump (net)	: 225.0 lb				Gland								
Baseplate (net)	: 442.0 lb				Gland material	: 316SS							
Driver (net)	: 807.0 lb				Flush	: .375" NPT							
Shipping gross weight/volume	: 1,695.1 lb / 38,526 cu.in				Vent	: .375" NPT							
Testing					Drain	: .375" NPT							
Hydrostatic test	: Non witnessed				Auxiliary seal device	: Carbon Bushing							
Performance test	: Non witnessed				Piping								
NPSH test	: None				Seal flush plan	: None							
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	: Plan 61							
Shipment type	: Domestic				Aux seal flush construction	: Not supplied							
Notes					Aux seal flush material	: Not supplied							
-													
ANSI 3A w/site, magnetic drain plug													
Casing w/1/2" Plugged Drain (NPT)													
-													
-													
XSD Drawing No. 0000AMK3SXX2KXXFTOPSSMSFM													