



Customer Document title:

Flowserve Construction Data Sheet

Flowserve Document title: **Flowserve Construction Data Sheet**Flowserve Document No.: **1400944-011-5009-01**Document Revision No.: **0**Flowserve Order No.: **1400944**Flowserve Serial No.: **1400944CHP011A/D**Pump Type/Size: **MARK 3 STANDARD / 2K4X3-10HRV**Quantity: **4**Customer Name: **DESMET BALLESTRA NORTH AMERICA****PROJECT - WORPAR****ITEM NBR - P635A.1/1-P635A.1/2****P635A.2/1-P635A.2/2****eB NBR - 100212944.000****DATE - 22.10.2021**

Customer Tag No: **DESMET TAG#: P635A.1/1, CUSTOMER TAG#: 19-P-761A, DESMET TAG#: P635A.1/2, CUSTOMER TAG#: 19-P-761B, DESMET TAG#: P635A.2/1, CUSTOMER TAG#: 19-P-861A, DESMET TAG#: 635A.2/2, CUSTOMER TAG#: 19-P-861B,**

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	: 2K4x3-10HRV M3 ST / 1
Customer reference	: WORPAR	Based on curve no.	: MIII7600CV
Item number	: P635A.1/1, 1/2, 2/1, 2/2	Flowserve reference	: 1989206898
Service	: Oil/Earth Reactor Discharge	Date	: August 26, 2021

Construction					Driver Information	
Nozzles	Size	Rating	Face	Position	Manufacturer	: WEG
Suction	4.00	150#	FF	End	Power	: 20.0 hp / 14.9 kW
Discharge	3.00	150#	FF	Top	Service factor (requested / actual)	: 1.15 / 1.15
Casing mounting					Synchronous speed	: 1,800 rpm
Casing split					Orientation / Mounting	: Horizontal / Foot
Impeller type					Driver type	: NEMA
Bearing type (radial)					Frame-size / material	: 256T / CAST IRON
Bearing number (radial)					Enclosure	: IEEE-841
Bearing type (thrust)					Hazardous area class	: -
Bearing number (thrust)					Explosion 'T' rating	: -
Bearing lubrication					Volts / Phase / Hz	: 460 / 3 / 60 Hz
Rotation (view from driver)					Amps-full load/locked rotor	: 23.50 A / 146.00 A
Materials					Motor starting	: Direct on line (DOL)
Casing					Insulation	: F
Impeller					Temperature rise	: -
Seal chamber					Bearings	: Ball
Shaft					Lubrication	: Grease
Sleeve					Motor mounted by	: Flowserve
Baseplate, Coupling and Guard					Sound Pressure (dBA @ 1.0 m)	
Baseplate type					Driver, expected	: 66.0 dBA
Baseplate material					Pump & driver, estimated	: 71.0 dBA
Baseplate size					Seal Information	
Coupling manufacturer					Arrangement	: Dbl Int O-Ring
Coupling size					Size	: 1.875
Coupling / Shaft guard					Manufacturer / Type	: Flowserve / ISC2 Pusher
Shaft / seal guard					Material code (Man'f/API)	: C2CPP----ECCV- / BDPFN
Weights (Approx.)					Internal neck bushing	: Not Available
Bareshaft pump (net)					Gland	
Baseplate (net)					Gland material	: 316SS
Driver (net)					Flush	: .375" NPT (inlet)
Shipping gross weight/volume					Vent	: -
Testing					Drain	: .375" NPT (outlet)
Hydrostatic test					Auxiliary seal device	: Pumping Ring
Performance test					Piping	
NPSH test					Seal flush plan	: Plan 53
Paint and Package					Seal flush construction	: -
Pump paint					Seal flush material	: -
Base grout surface prep					Aux seal flush plan	: -
Shipment type					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. 0000AMK3SXX2KXXFTRVSSMSFM						