



Customer Document title:

## Flowserve Construction Data Sheet

Flowserve Document title: **Flowserve Construction Data Sheet**Flowserve Document No.: **1400944-015-5009-01**Document Revision No.: **0**Flowserve Order No.: **1400944**Flowserve Serial No.: **1400944CHP015A/D**Pump Type/Size: **MARK 3 STANDARD / 2K6X4-10HRV**Quantity: **4**Customer Name: **DESMET BALLESTRA NORTH AMERICA**

PROJECT - WORPAR

ITEM NBR - P650/81C.1-1-P650/81C.1-2

P650/81C.2-1-P650/81C.2-2

eB NBR - 100212984.000

DATE - 22.10.2021

Customer Tag No: **DESMET TAG#: P650/81C.1-1, CUSTOMER TAG#: 19-P-777A, DESMET TAG#: P650/81C.1-2, CUSTOMER TAG#: 19-P-777B, DESMET TAG#: P650/81C.2-1, CUSTOMER TAG#: 19-P-877A, DESMET TAG#: P650/81C.2-2, CUSTOMER TAG#: 19-P-877B**

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 : 2K6x4-10HRV M3 ST / 1	
Customer reference : WORPAR					Based on curve no. : MIII8385AV	
Item number : P650/81C.1-1, 1-2, 2-1, 2-2					Flowserve reference : 1989206898	
Service : Tempered Water					Date : August 26, 2021	
Construction					Driver Information	
Nozzles	Size	Rating	Face	Position	Manufacturer : WEG	
Suction	6.00	150#	FF	End	Power : 20.0 hp / 14.9 kW	
Discharge	4.00	150#	FF	Top	Service factor (requested / actual) : 1.15 / 1.15	
Casing mounting				: Foot	Synchronous speed : 1,800 rpm	
Casing split				: Radial	Orientation / Mounting : Horizontal / Foot	
Impeller type				: Reverse Vane	Driver type : NEMA	
Bearing type (radial)				: Sgl Row	Frame-size / material : 256T / 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 : 23.50 A / 146.00 A	
Materials					Motor starting : Direct on line (DOL)	
Casing				: Duct.Cast Iron (DCI)	Insulation : F	
Impeller				: 316SS (D4/CF-8M)	Temperature rise : -	
Seal chamber				: FML Box / (DCI)	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 : 66.0 dBA	
Baseplate material				: Steel	Pump & driver, estimated : 71.0 dBA	
Baseplate size				: 258 Baseplate	Seal Information	
Coupling manufacturer				: Rexnord	Arrangement : Sgl Int O-Ring	
Coupling size				: Thomas 726 Std/Std	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)				: 328.0 lb	Gland	
Baseplate (net)				: 340.0 lb	Gland material : 316SS	
Driver (net)				: 273.0 lb	Flush : .375" NPT	
Shipping gross weight/volume				: 1,082.1 lb / 37,849 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 : Plan 03	
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	
					Aux seal flush material : Not supplied	
Notes						
-						
ANSI 3A w/site, magnetic drain plug						
Casing w/1/2" Plugged Drain (NPT)						
-						
-						
XSD Drawing No. 0000AMK3SXX2KXXFTRVSSMSFM						

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