

Flowserve Pump Division, 3900 Cook Boulevard, Chesapeake, VA 23323, USA Phone: (+1) 757 485-8000

chpdoc@flowserve.com

Customer Document title:

Motor Typical Performance Data

Flowserve Document title: Motor Typical Performance Data

Flowserve Document No.: 1400944-013-5955-01

Document Revision No.: A

Flowserve Order No.: 1400944

Flowserve Serial No.: 1400944CHP013A/D

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

Quantity: 4

Customer Name: DESMET BALLESTRA NORTH AMERICA

DESMET TAG#: PW582D.1/1, World Energy TAG#:19-P-773A, DESMET TAG#:

Customer Tag No: PW582D.1/2, World Energy TAG#:19-P-773B, DESMET TAG#:PW582D.2/1, World Energy

TAG#:19-P-873A, DESMET TAG#: PW582D.2/2, World Energy TAG#:19-P-873B

Customer PO No.: 28493

End User: DESMET BALLESTRA NORTH AMERICA

Please complete and return:						
Document Reviewed by:		Document Reviewed date:				
□ APPROVED. NO ACTION REQU □ APPROVED. RE-SUBMIT AS FIN □ APPROVED WITH COMMENTS □ REJECTED. CORRECT AND RE-S □ FOR INFORMATION. REVIEW N □ AS-BUILT	I AL. . DOCUMENT WILL BE MODIFIED AND RESUBMITT UBMIT FOR APPROVAL.	TED AS FINAL.				

- 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 <u>Approved</u>, 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		Release Date
	For Review	Morris, Tamika	15-Dec-21

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 IEEE 841 NEMA Premium Product code: 11431671 Efficiency Three-Phase Catalog #: 06036ST3QIE364TS-W22 Frame : 364/5TS Locked rotor time : 25s (cold) 14s (hot) Output : 60 HP (45 kW) Temperature rise : 80 K Poles Duty cycle : Cont.(S1) : 2 Ambient temperature Frequency : -20°C to +40°C : 60 Hz :460 V 3 phase : 1000 m.a.s.l. Rated voltage Altitude Rated current Protection degree : IP55 : 67.0 A : IC411 - TEFC T3C L. R. Amperes : 429 A Cooling method : 6.4x(Code G) LRC Mounting : F-1 No load current Rotation¹ : Both (CW and CCW) : 15.0 A Rated speed : 3550 rpm Noise level² : 79.0 dB(A) : 1.39 % Starting method Slip : 88.8 ft.lb : 863 lb Rated torque Approx. weight3 Locked rotor torque : 190 % For starting - WEG standard is Breakdown torque : 250 % Insulation class : F 2 cold starts / 1 hot start per hour. : 1.25 Service factor Moment of inertia (J) : 10.6 sq.ft.lb Design : B Output 50% 75% 100% Foundation loads Efficiency (%) 91.7 93.0 93.6 Max. traction : 447 lb Power Factor 0.81 0.88 0.90 Max. compression : 1310 lb Non drive end Drive end Bearing type 6314 C3 6314 C3 Inpro/Seal Sealing Inpro/Seal 4000 h 4000 h Lubrication interval Lubricant amount 27 g 27 g Lubricant type Mobil Polyrex EM

Notes

This revision replaces and cancel the previous one, which must be eliminated.

- (1) Looking the motor from the shaft end.
- (2) Measured at 1m and with tolerance of +3dB(A).
- (3) Approximate weight subject to changes after manufacturing process.

(4) At 100% of full load.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.

Rev. C		Changes Summary		Performed	Checked	Date	
	Performed by						
	Checked by					Page	Pagevision?
	Date	14/09/2021				1 / 6	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



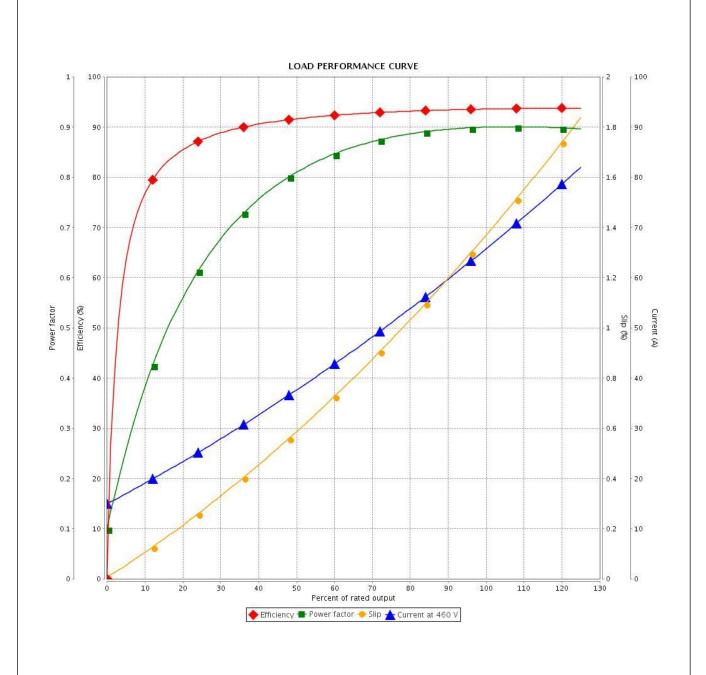
Customer :

Product line : W22 IEEE 841 NEMA Premium

Efficiency Three-Phase

Product code: 11431671

Catalog #: 06036ST3QIE364TS-W22



Performance	: 40	60 V 60 Hz 🌥				
Rated current		7.0 A	Moment of inertia (J)		: 10.6 sq.ft.lb	
LRC	LRC : 6.4		Duty cycle		: Cont.(S1)	
Rated torque		8.8 ft.lb	Insulation class		:F	
Locked rotor torque		90 %	Service factor		: 1.25	
Breakdown torque	: 25	50 %	Temperature rise		: 80 K	
Rated speed	: 3	3550 rpm Design			: B	
Rev.		Changes Summary		Performed	Checked	Date
Performed by						
Checked by]			Page	Pagevision?
Date	14/09/2021	1			3 / 6	