



Customer Document title:

Motor Typical Performance Data

Flowserve Document title: **Motor Typical Performance Data**

Flowserve Document No.: **1400944-016-5955-01**

Document Revision No.: **A**

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**

Customer Tag No: **DESMET TAG#:P682H.1/1, World Energy TAG#:19-P-764A, DESMET TAG#:P682H.1/2, World Energy TAG#:19-P-764B, DESMET TAG#: P682H.2/1,World Energy TAG#:19-P-864A, DESMET TAG#: P682H.2/2,World Energy 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**
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- ☐ **FOR INFORMATION.** REVIEW NOT REQUIRED
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- Items conditionally approved or with deferred approval by purchaser must be specifically stated otherwise delivery may be affected.

Rev	Revision Description	Released	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 Efficiency Three-Phase		Product code : 12385189
				Catalog # : 01536ST3QIE254T-W22
Frame : 254/6T Output : 15 HP (11 kW) Poles : 2 Frequency : 60 Hz Rated voltage : 460 V 3 phase Rated current : 17.2 A L. R. Amperes : 115 A LRC : 6.7x(Code G) No load current : 6.00 A Rated speed : 3530 rpm Slip : 1.94 % Rated torque : 3.04 kgfm Locked rotor torque : 220 % Breakdown torque : 270 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.0530 kgm ² Design : B		Locked rotor time : 45s (cold) 25s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC T3C Mounting : F-1 Rotation ¹ : Both (CW and CCW) Noise level ² : 72.0 dB(A) Starting method : Direct On Line VFD Approx. weight ³ : 121 kg For starting - WEG standard is 2 cold starts / 1 hot start per hour.		
Output	25%	50%	75%	100%
Efficiency (%)	89.2	89.5	91.0	91.0
Power Factor	0.51	0.77	0.85	0.88
		Foundation loads		
		Max. traction : 80 kgf		
		Max. compression : 201 kgf		
		<u>Drive end</u> Bearing type : 6309 C3 Sealing : Inpro/Seal Lubrication interval : 19000 h Lubricant amount : 13 g Lubricant type : Mobil Polyrex EM <u>Non drive end</u> 6209 C3 Inpro/Seal 20000 h 9 g		
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.		
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Performed by				
Checked by			Page	Revision
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Three Phase Induction Motor - Squirrel Cage

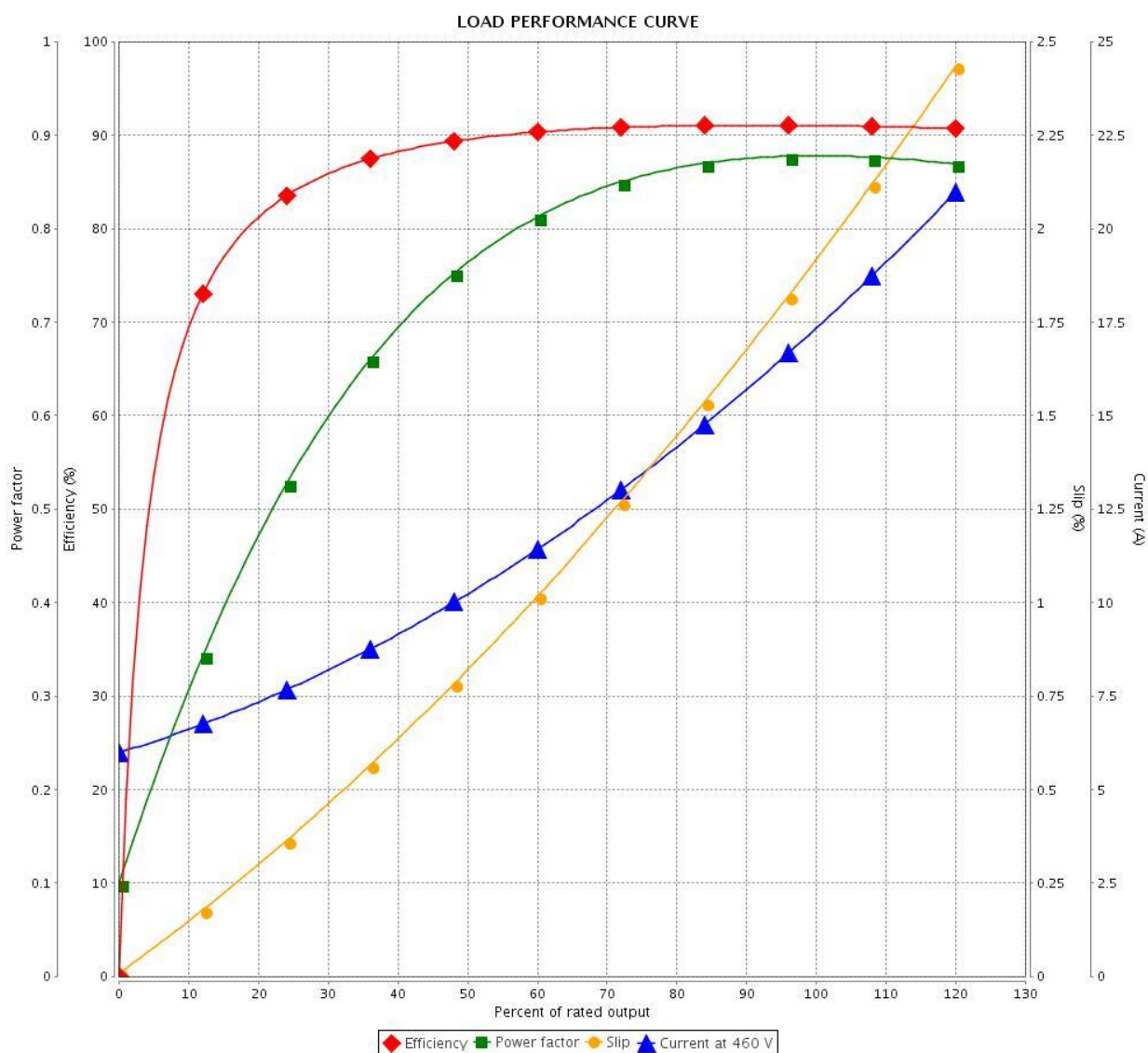


Customer :

Product line : W22 IEEE 841 NEMA Premium
Efficiency Three-Phase

Product code : 12385189

Catalog # : 01536ST3QIE254T-W22



Performance : 460 V 60 Hz ~~25~~

Rated current : 17.2 A
LRC : 6.7
Rated torque : 3.04 kgfm
Locked rotor torque : 220 %
Breakdown torque : 270 %
Rated speed : 3530 rpm

Moment of inertia (J) : 0.0530 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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Date	26/08/2019			