DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 11584390 Three-Phase Frame : 284/6T Cooling method : IC411 - TEFC Insulation class Mounting : F-1 : F Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line : 1000 m.a.s.l. Approx. weight³ Altitude : 192 kg Protection degree : IP56 Moment of inertia (J) : 0.3448 kgm² Design : B Output [HP] 15 15 15 15 Poles 8 8 8 8 Frequency [Hz] 60 50 50 50 Rated voltage [V] 460 380 400 415 Rated current [A] 19.6 23.6 22.7 22.1 L. R. Amperes [A] 108 101 109 113 LRC [A] 5.5x(Code G) 4.3x(Code D) 4.8x(Code F) 5.1x(Code F) No load current [A] 9.80 9.70 10.5 11.1 Rated speed [RPM] 880 720 725 730 Slip [%] 2.22 4.00 3.33 2.67 Rated torque [kgfm] 12.4 15.1 15.0 14.9 Locked rotor torque [%] 200 150 170 190 Breakdown torque [%] 229 180 200 220 Service factor 1.25 1.00 1.00 1.15 105 K Temperature rise 80 K 105 K 105 K 32s (cold) 18s (hot) Locked rotor time 45s (cold) 25s (hot) 32s (cold) 18s (hot) 32s (cold) 18s (hot) Noise level² 54.0 dB(A) 52.0 dB(A) 52.0 dB(A) 52.0 dB(A) 25% 84.8 87.6 87.6 87.7 50% 85.5 88.0 88.0 88.0 Efficiency (%) 75% 90.0 88.5 88.5 88.5 100% 90.2 88.6 88.6 88.6 25% 0.37 0.43 0.39 0.37 50% 0.62 0.68 0.64 0.62 Power Factor 75% 0.72 0.76 0.74 0.73 0.78 0.80 0.79 0.78 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 10.3 10.3 10.3 10.3 P2 (0,5;1,0) 8.2 8.2 8.2 8.2 P3 (0,25;1,0) 7.6 7.6 7.6 7.6 P4 (0,9;0,5) Losses (%) 5.5 5.5 5.5 5.5 P5 (0,5;0,5) 3.7 3.7 3.7 3.7 P6 (0,5;0,25) 2.7 2.7 2.7 2.7 P7 (0,25;0,25) 1.8 1.8 1.8 1.8 Drive end Non drive end Foundation loads Bearing type 6311 C3 6211 C3 Max. traction : 373 kgf Sealing Inpro/Seal Inpro/Seal Max. compression : 565 kgf 20000 h 20000 h Lubrication interval Lubricant amount 18 g 11 g Mobil Polyrex EM Lubricant type This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process.

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Rev.		Changes Summary	Performed	Checked	Date		
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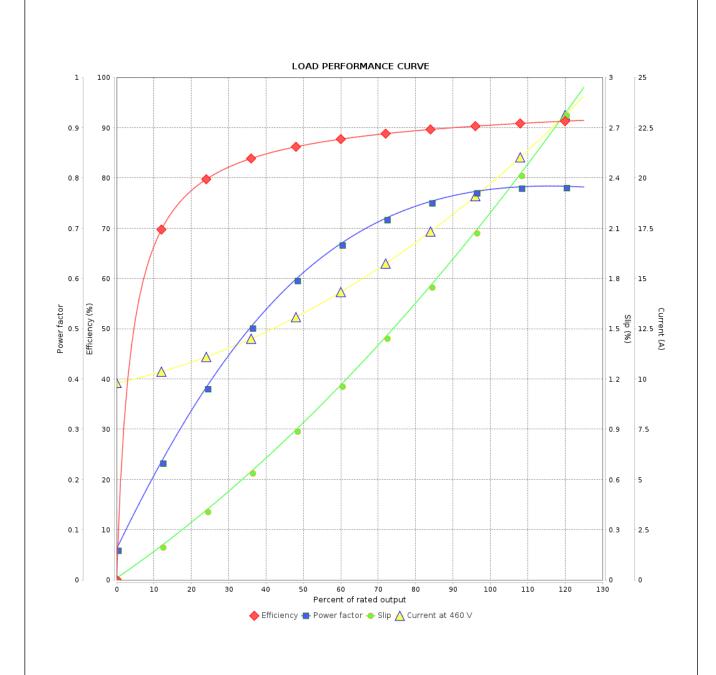
Three Phase Induction Motor - Squirrel Cage



Customer

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Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 11584390



Performance		: 460 V 60 Hz 8P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 19.6 A : 5.5 : 12.4 kgfm : 200 % : 229 % : 880 rpm	Duty cyc Insulation Service f	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		2
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Page

3/6

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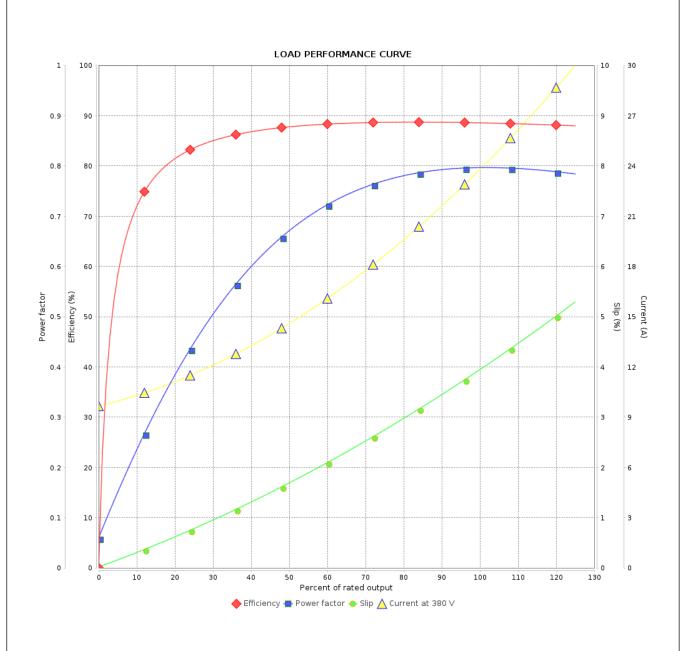


Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code: 11584390



Performance	: 380 V 50 Hz 8P IE3			1.	
renormance	. 300 V 30 HZ 0F 1E3				
Rated current	: 23.6 A	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.3448 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
LRC	: 4.3				
Rated torque	: 15.1 kgfm				
Locked rotor torque	: 150 %				
Breakdown torque	: 180 %				
Rated speed	: 720 rpm				
Rev.	Changes Summary		Performed	Checked	Date
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4/6

15/01/2024

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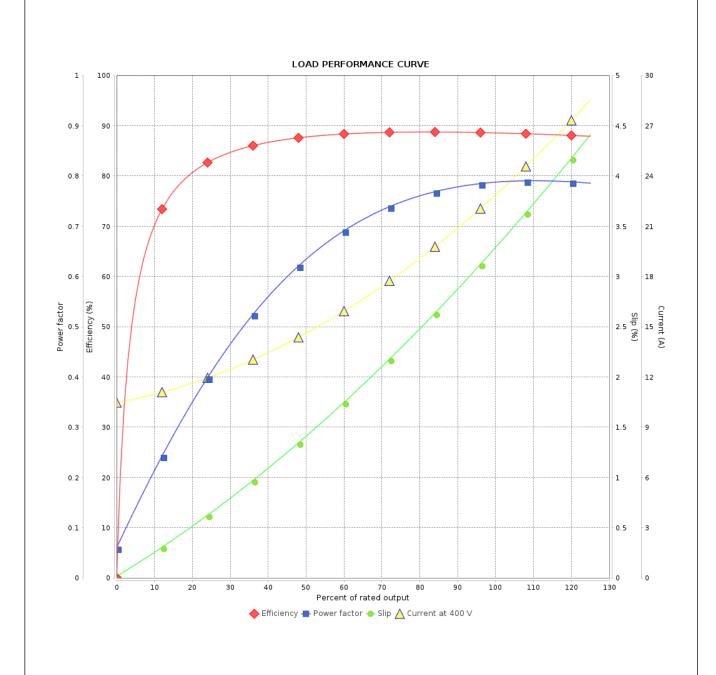
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 11584390

Three-Phase



Performance	: 400 V 50 Hz 8P IE3				
Rated current	: 22.7 A	Moment of inertia (J)		: 0.3448 kgm²	
LRC	: 4.8	Duty cycle	•	: Cont.(S1)	
Rated torque	: 15.0 kgfm	Insulation class		: F	
Locked rotor torque	: 170 %	Service factor		: 1.00	
Breakdown torque	: 200 %	Temperature rise		: 105 K	
Rated speed	: 725 rpm	Design		: B	
Rev.	Changes Summary	ı	Performed	Checked	Date
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Date	15/01/2024			5/6	
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Three Phase Induction Motor - Squirrel Cage



Customer :

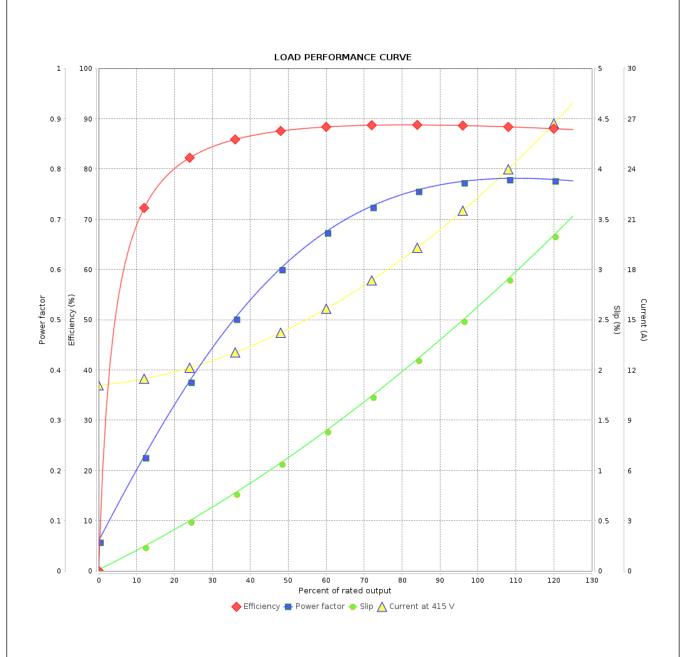
Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code:

11584390

6/6



Performance	<u>:</u>	415 V 50 Hz 8P IE	3			
Rated current LRC Rated torque Locked rotor tord	: : que :	22.1 A 5.1 14.9 kgfm 190 %	Duty cycle Insulation Service fa	Moment of inertia (J) Duty cycle Insulation class Service factor		2
Breakdown torqu		220 %	Temperature rise		: 105 K	
Rated speed	: 730 rpm		Design	Design		
Rev.		Changes Summ	ary	Performed	Checked	Date
Performed by						
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15/01/2024

Date