DATA SHEET

Checke



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 IEEE 841 NEMA Premium Efficiency Product code: 13334728 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 : 189 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.2153 kgm² Design : B Output [HP] 25 25 25 25 Poles 4 4 4 4 50 Frequency [Hz] 60 50 50 Rated voltage [V] 460 380 400 415 Rated current [A] 29.5 35.9 34.3 33.2 L. R. Amperes [A] 183 190 189 196 LRC [A] 6.2x(Code G) 5.3x(Code F) 5.5x(Code F) 5.9x(Code G) No load current [A] 11.0 11.0 11.7 12.4 Rated speed [RPM] 1770 1455 1460 1465 Slip [%] 1.67 3.00 2.67 2.33 Rated torque [kgfm] 10.3 12.5 12.4 12.4 Locked rotor torque [%] 240 180 200 220 Breakdown torque [%] 270 210 240 260 Service factor 1.25 1.00 1.00 1.00 Temperature rise 80 K 105 K 105 K 105 K Locked rotor time 43s (cold) 24s (hot) 25s (cold) 14s (hot) 25s (cold) 14s (hot) 25s (cold) 14s (hot) Noise level² 63.0 dB(A) 61.0 dB(A) 61.0 dB(A) 61.0 dB(A) 25% 50% 92.4 92.4 92.4 92.4 Efficiency (%) 75% 93.0 91.7 92.4 92.4 100% 93.6 91.0 91.7 92.4 25% 50% 0.70 0.76 0.73 0.70 Power Factor 75% 0.80 0.84 0.82 0.80 0.84 0.85 0.84 100% 0.86 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 6.8 6.8 6.8 6.8 P2 (0,5;1,0) 5.8 5.8 5.8 5.8 P3 (0,25;1,0) 5.3 5.3 5.3 5.3 P4 (0,9;0,5) Losses (%) 3.1 3.1 3.1 3.1 P5 (0,5;0,5) 2.2 2.2 2.2 2.2 P6 (0,5;0,25) 1.4 1.4 1.4 1.4 P7 (0,25;0,25) 1.0 1.0 1.0 1.0 Non drive end Foundation loads Drive end 6311 C3 6211 C3 Bearing type : 366 kgf Max. traction Sealing Taconite Taconite : 555 kgf Max. compression Labyrinth Labyrinth 20000 h 20000 h Lubrication interval Lubricant amount 18 g 11 g Lubricant type Mobil Polyrex EM 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). Date **Changes Summary** Performed Checked Rev. Performed by

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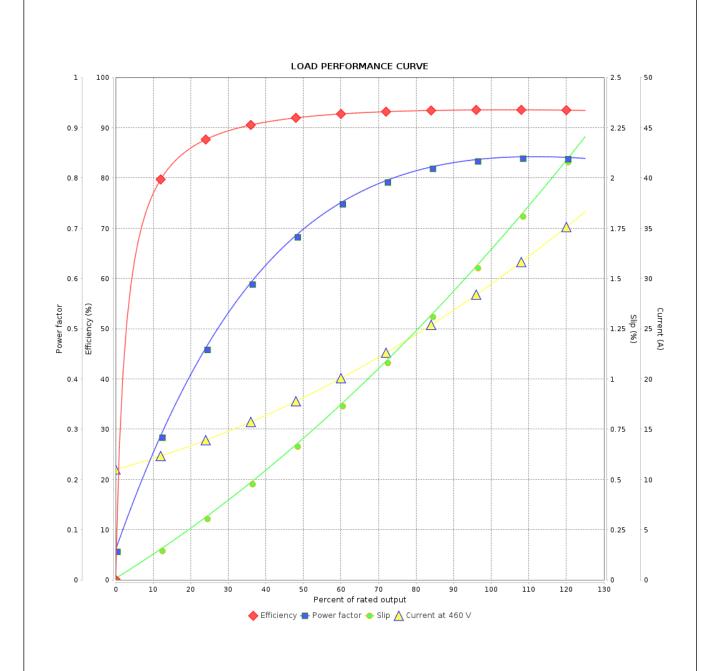
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Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 13334728

Three-Phase



Performance	: 460 V 60 Hz 4P				
Rated current	: 29.5 A	Moment of inertia (J)		: 0.2153 kgm²	
LRC	: 6.2	Duty cycle		: Cont.(S1)	
Rated torque	: 10.3 kgfm	Insulation class		: F	
Locked rotor torque	: 240 %	Service factor		: 1.25	
Breakdown torque	: 270 %	Temperature rise		: 80 K	
Rated speed	: 1770 rpm	Design		: B	
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Three Phase Induction Motor - Squirrel Cage

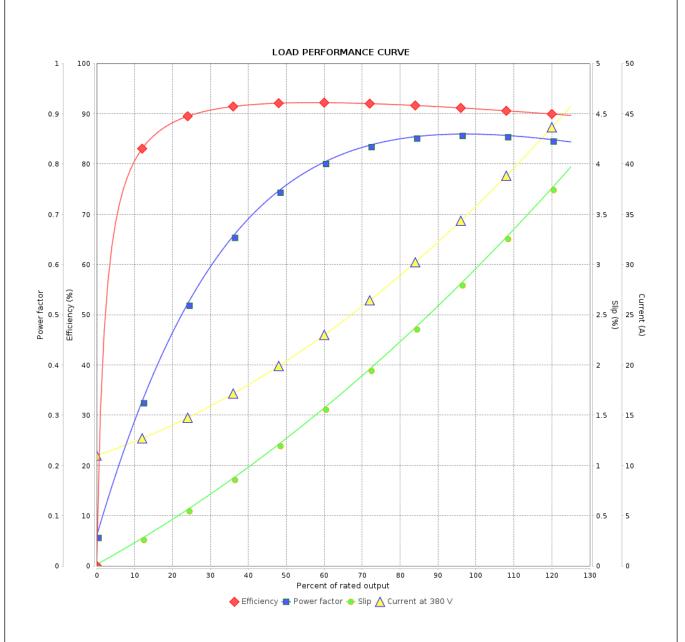


Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency

Three-Phase

Product code: 13334728



Performance	: 380 V 50 Hz 4P IE1				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 35.9 A : 5.3 : 12.5 kgfm : 180 % : 210 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		: 0.2153 kgm² : Cont.(S1) : F : 1.00 : 105 K	
Rated speed	: 1455 rpm	Design		: B	
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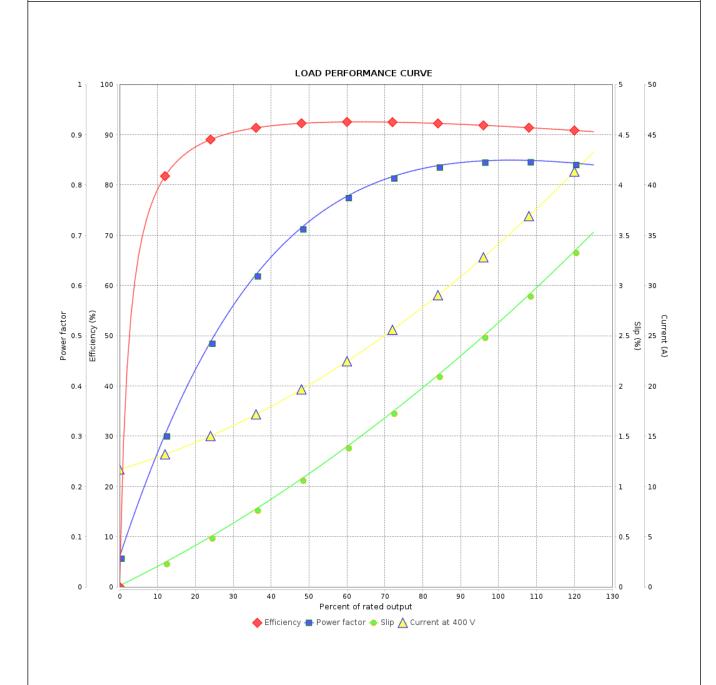
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Product code : 13334728

Three-Phase



Performance	:	400 V 50 Hz 4P IE2				
Rated current	:	34.3 A	Moment o	Moment of inertia (J)		
LRC		5.5	Duty cycle		: Cont.(S1)	
Rated torque	:	12.4 kgfm	Insulation class		:F	
Locked rotor torque	e :	200 %	Service factor		: 1.00	
Breakdown torque	:	240 %	Temperature rise		: 105 K	
Rated speed	:	1460 rpm	Design		: B	
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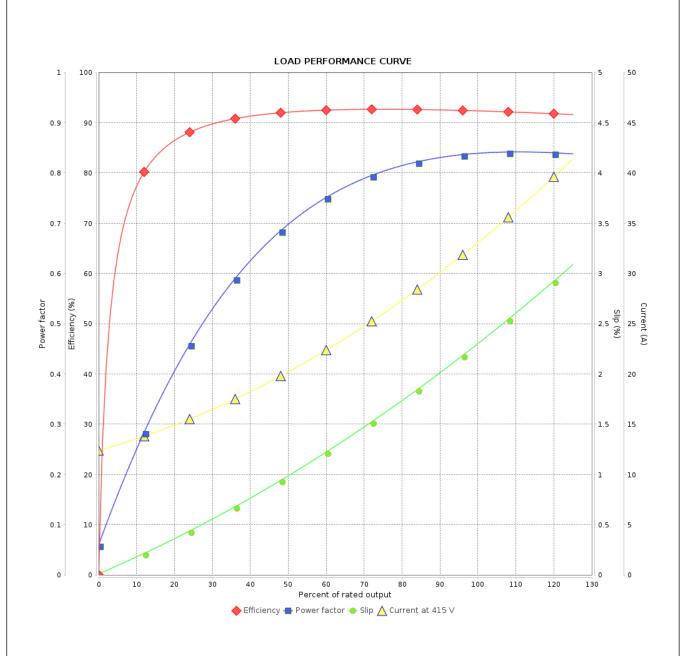
Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency

Product code:

13334728

Three-Phase



Performance	: 415 V 50 Hz 4P IE2				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 33.2 A : 5.9 : 12.4 kgfm : 220 % : 260 % : 1465 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.2153 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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