DATA SHEET



Three Phase Induction Motor - Squirrel Cage Customer Product line : W22 NEMA Premium Efficiency Three-Product code: 11723868 Frame : 143/5T Cooling method : IC411 - TEFC Insulation class : F Mounting : F-1 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 : 20.1 kg Altitude Protection degree : IP55 Moment of inertia (J) : 0.0049 kgm² Design : B Output [HP] 1 1 1 1 Poles 4 4 4 4 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 2.94/1.47 1.71 1.65 1.63 L. R. Amperes [A] 25.3/12.6 10.9 11.5 12.1 LRC [A] 8.6x(Code M) 6.4x(Code J) 7.0x(Code K) 7.4x(Code K) No load current [A] 1.88/0.940 0.930 1.00 1.08 Rated speed [RPM] 1760 1450 1455 1455 Slip [%] 2.22 3.33 3.00 3.00 Rated torque [kgfm] 0.412 0.501 0.499 0.499 Locked rotor torque [%] 290 220 240 260 Breakdown torque [%] 350 250 290 310 Service factor 1.25 1.25 1.25 1.25 Temperature rise 80 K 80 K 80 K 80 K 32s (cold) 18s (hot) 32s (cold) 18s (hot) 32s (cold) 18s (hot) Locked rotor time 32s (cold) 18s (hot) Noise level² 51.0 dB(A) 49.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 80.0 80.0 80.0 80.0 Efficiency (%) 75% 84.0 82.5 82.5 82.5 100% 85.5 82.5 84.0 84.0 25% 50% 0.55 0.62 0.58 0.55 Power Factor 75% 0.68 0.74 0.71 0.69 0.75 0.78 0.76 100% 0.81 Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 15.9 15.9 15.9 15.9 P2 (0,5;1,0) 12.8 12.8 12.8 12.8 P3 (0,25;1,0) 12.5 12.5 12.5 12.5 P4 (0,9;0,5) 10.1 10.1 Losses (%) 10.1 10.1 P5 (0,5;0,5) 7.0 7.0 7.0 7.0 P6 (0,5;0,25) 5.8 5.8 5.8 5.8 P7 (0,25;0,25) 4.3 4.3 4.3 4.3 Non drive end Foundation loads Drive end Bearing type 6205 ZZ 6204 ZZ Max. traction : 34 kaf Sealing V'Ring V'Ring Max. compression : 54 kgf Lubrication interval Lubricant amount 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). (3) Approximate weight subject to changes after manufacturing process. Changes Summary Rev Performed Chackad Data

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DATA SHEET



Three Phase Induction Motor - Squirrel Cage	<u> </u>
Customer :	
Notes	
USABLE @208V 3.07A SF 1.15 SFA 3.54A	

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Three Phase Induction Motor - Squirrel Cage

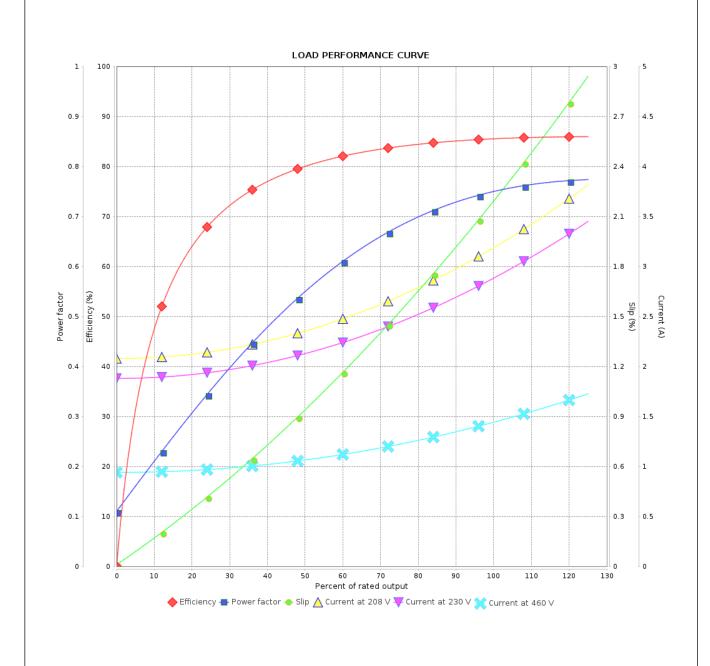


Customer :

Product line : W22 NEMA Premium Efficiency Three-

Phase

Product code: 11723868



Performance	: 2	: 230/460 V 60 Hz 4P					
Rated current	: 2	: 2.94/1.47 A		f inertia (J)	: 0.0049 kgm²		
LRC	: 8			!	: Cont.(S1)		
Rated torque	: C			class	: F		
Locked rotor torque	e : 2			ctor	: 1.25		
Breakdown torque	: 3			Temperature rise			
Rated speed	: 1				: B		
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

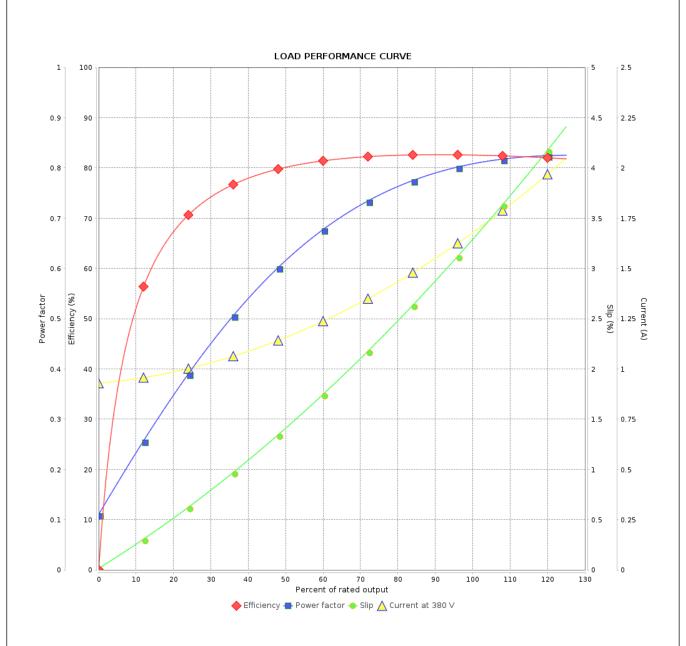
Product code:

11723868



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Date



Performance	: 380 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.71 A : 6.4 : 0.501 kgfm : 220 % : 250 % : 1450 rpm	Moment of Duty cycle Insulation Service fa Temperate Design	class ctor	: 0.0049 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



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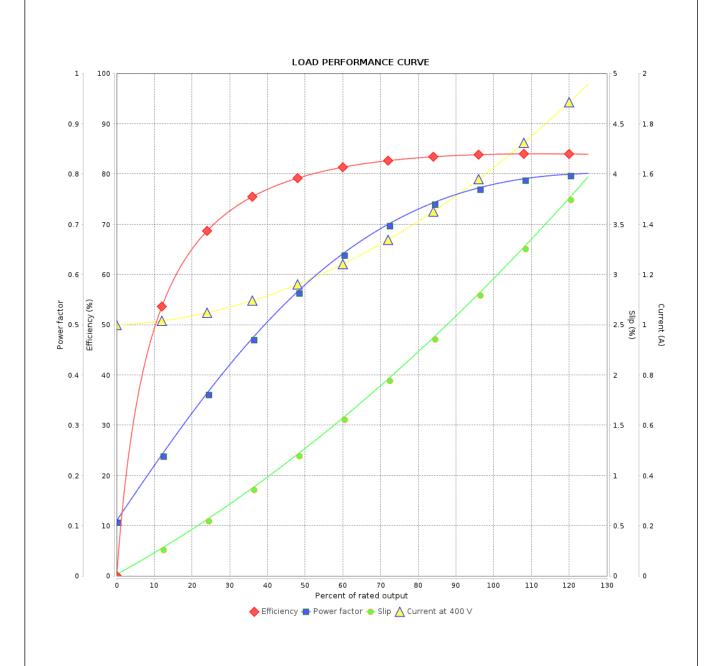
Customer :

Product line : W22 NEMA Premium Efficiency Three- Product code :

Phase

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Date



Performance	: 400 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.65 A : 7.0 : 0.499 kgfm : 240 % : 290 % : 1455 rpm	Moment of Duty cycle Insulation Service fa Temperatu Design	class ctor	: 0.0049 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-

Product code:

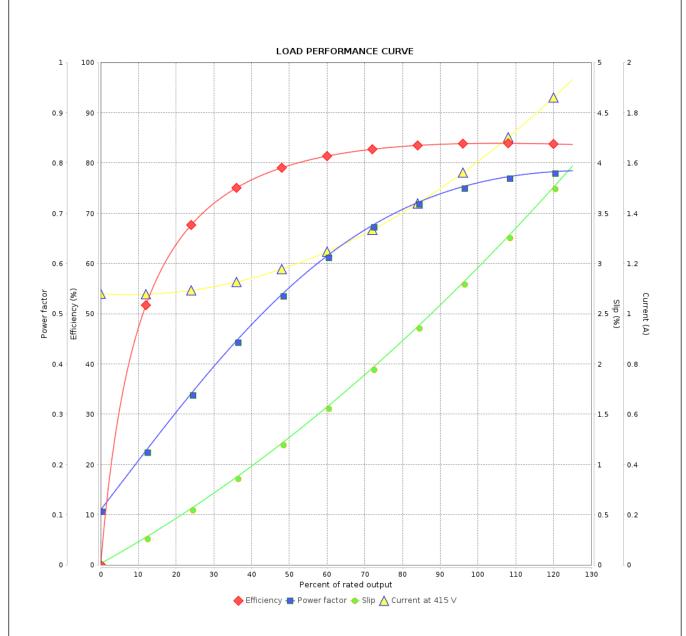
11723868

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Date



Performance	: 415 V 50 Hz 4P IE3				
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 1.63 A : 7.4 : 0.499 kgfm : 260 % : 310 % : 1455 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.0049 kgm ² : Cont.(S1) : F : 1.25 : 80 K : B	2
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