DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : W22 NEMA Premium Efficiency Product code: 11355724 Three-Phase Frame : 364/5T 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 : 346 kg Protection degree : IP55 Moment of inertia (J) : 0.9884 kgm² Design : B Output [HP] 30 30 30 30 Poles 8 8 8 8 Frequency [Hz] 60 50 50 50 Rated voltage [V] 230/460 380 400 415 Rated current [A] 76.2/38.1 45.5 43.3 42.2 L. R. Amperes [A] 472/236 223 238 249 LRC [A] 6.2x(Code G) 4.9x(Code E) 5.5x(Code F) 5.9x(Code G) No load current [A] 32.0/16.0 16.0 17.0 18.0 Rated speed [RPM] 882 725 725 730 Slip [%] 2.00 3.33 3.33 2.67 Rated torque [kgfm] 24.7 30.0 30.0 29.8 Locked rotor torque [%] 160 120 140 150 Breakdown torque [%] 229 160 190 200 Service factor 1.25 1.00 1.00 1.00 105 K Temperature rise 80 K 105 K 105 K Locked rotor time 45s (cold) 25s (hot) 30s (cold) 17s (hot) 34s (cold) 19s (hot) 32s (cold) 18s (hot) Noise level² 60.0 dB(A) 56.0 dB(A) 56.0 dB(A) 56.0 dB(A) 25% 50% 91.5 89.0 90.5 90.5 Efficiency (%) 75% 91.7 89.5 90.6 90.6 100% 91.7 89.5 90.6 90.6 25% 50% 0.62 0.71 0.67 0.65 Power Factor 75% 0.73 0.79 0.77 0.75 0.79 0.82 0.81 0.80 100% Losses at normative operating points (speed;torque), in percentage of rated output power P1 (0,9;1,0) 8.9 8.9 8.9 8.9 P2 (0,5;1,0) 7.7 7.7 7.7 7.7 P3 (0,25;1,0) 7.2 7.2 7.2 7.2 P4 (0,9;0,5) 3.9 Losses (%) 3.9 3.9 3.9 P5 (0,5;0,5) 2.8 2.8 2.8 2.8 P6 (0,5;0,25) 1.7 1.7 1.7 1.7 P7 (0,25;0,25) 1.3 1.3 1.3 1.3 Non drive end Foundation loads Drive end Bearing type 6314 C3 6314 C3 Max. traction : 497 kgf Sealing WSeal WSeal Max. compression : 843 kgf 20000 h 20000 h Lubrication interval Lubricant amount 27 g 27 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 MG-1. (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. Performed Checked Rev. **Changes Summary** Date Performed by Checked by Page Revision

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Customer	:			
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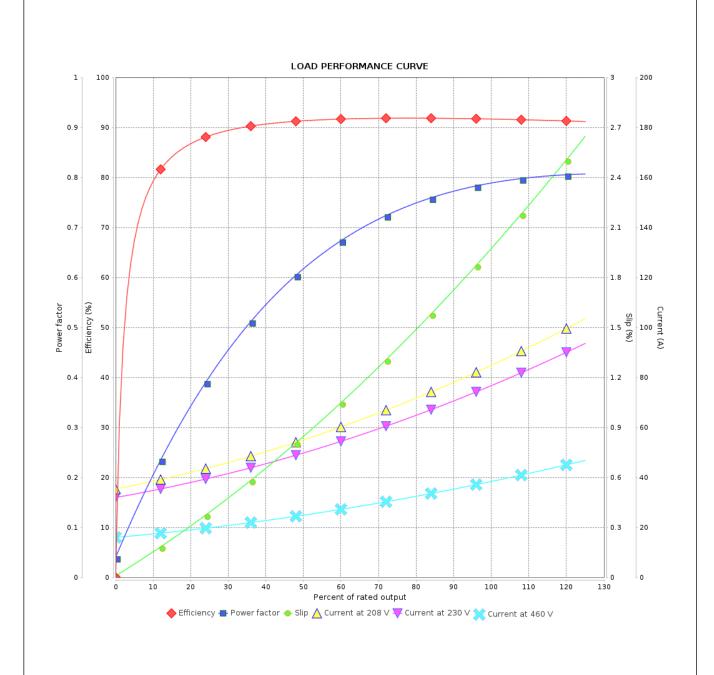
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Product line : W22 NEMA Premium Efficiency Product code : 11355724

Three-Phase



Performance	: 230/460 V 60 Hz 8P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 76.2/38.1 A : 6.2 : 24.7 kgfm : 160 % : 229 % : 882 rpm	Duty cycle : C Insulation class : F Service factor : 1 Temperature rise : 8		: 0.9884 kgm² : Cont.(S1) : F : 1.25 : 80 K : B	: Cont.(S1) : F : 1.25 : 80 K	
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Three Phase Induction Motor - Squirrel Cage



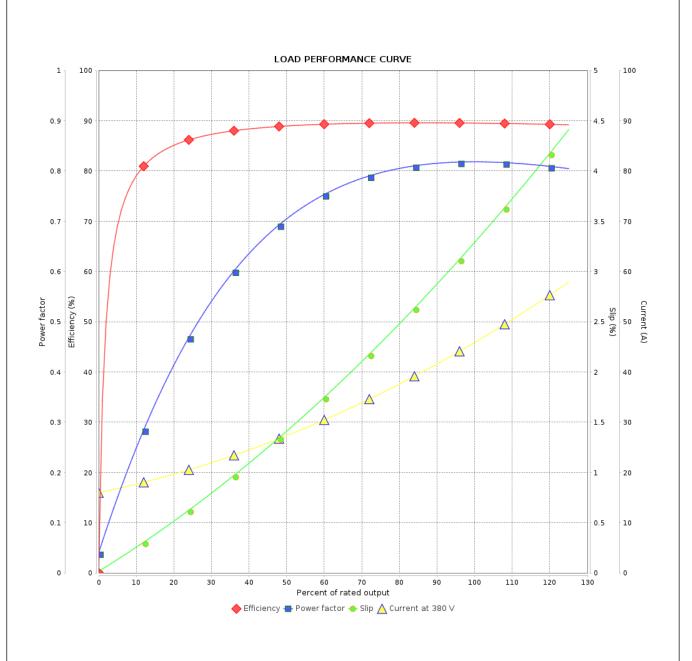
Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code:

11355724



Performance	: 3	80 V 50 Hz 8P IE2				
Rated current	: 4	5.5 A	Moment of	of inertia (J)	: 0.9884 kgm ²	2
LRC	: 4	.9		Duty cycle		
Rated torque	: 3	0.0 kgfm	Insulation	Insulation class		
Locked rotor torq	ue : 1	20 %	Service fa	Service factor		
Breakdown torqu	e :1	60 %	Temperat	ure rise	: 105 K	
Rated speed	: 7	25 rpm	Design		: B	
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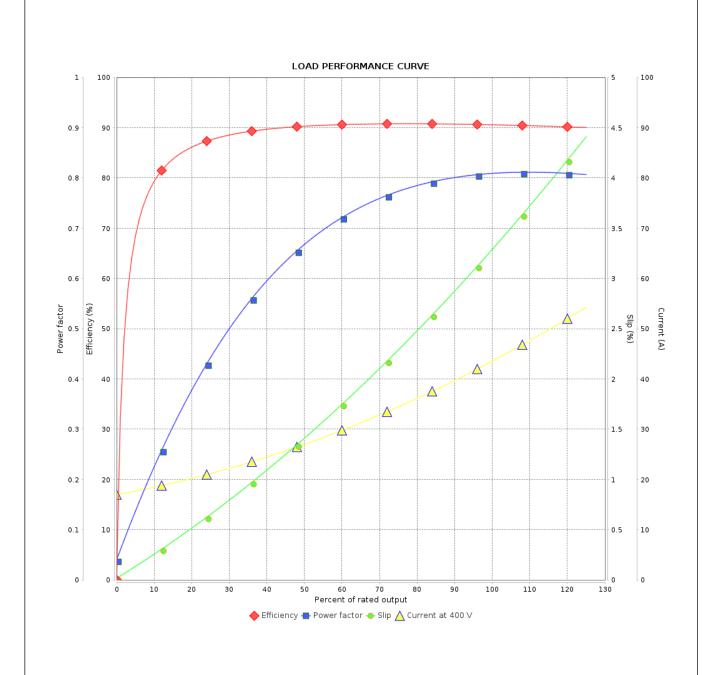
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Product code : 11355724

Three-Phase



Performance	: 400 V 50 H	z 8P IE3			
Rated current LRC Rated torque	: 43.3 A : 5.5 : 30.0 kgfm	Moment of Duty cycle Insulation		: 0.9884 kgm : Cont.(S1) : F	2
Locked rotor torq Breakdown torqu Rated speed	ue : 140 %	Service fa Temperat Design	actor	: 1.00 : 105 K : B	
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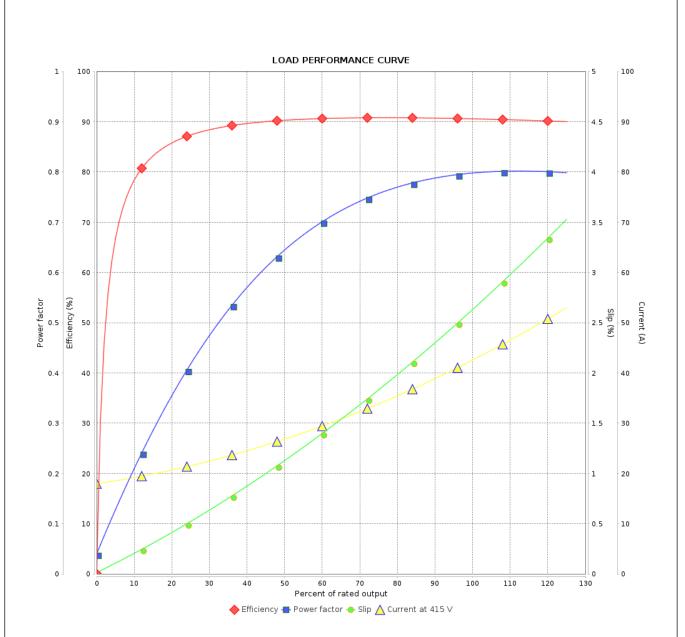


Customer :

Product line : W22 NEMA Premium Efficiency

Three-Phase

Product code: 11355724



Performance	: 415 V 50 Hz 8P IE3			
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 42.2 A : 5.9 : 29.8 kgfm : 150 % : 200 % : 730 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design	: 0.9884 kgm² : Cont.(S1) : F : 1.00 : 105 K : B	
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