DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer Product line : NEMA Premium Efficiency Three-Product code: 13464622 : 254/6TC Cooling method : IC01 - ODP Frame 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 : 91.0 kg Altitude Design Moment of inertia (J) : 0.0767 kgm² : B 15 Output [HP] 15 15 Poles 4 4 60 Frequency [Hz] 50 50 Rated voltage [V] 230/460 190-220/380 415 Rated current [A] 37.2/18.6 43.8-37.8/21.9 20.9 L. R. Amperes [A] 249/125 237-204/118 132 LRC [A] 6.7x(Code H) 5.4x(Code F) 6.3x(Code H) No load current [A] 19.0/9.50 17.3-15.0/8.67 10.5 Rated speed [RPM] 1775 1465 1470 Slip [%] 2.33 2.00 1.39 Rated torque [kgfm] 6.13 7.43 7.41 Locked rotor torque [%] 170 210 240 Breakdown torque [%] 300 220 270 Service factor 1.15 1.15 1.15 Temperature rise 80 K 80 K 80 K 0s (cold) 0s (hot) 0s (cold) 0s (hot) Locked rotor time 30s (cold) 17s (hot) Noise level² 64.0 dB(A) 62.0 dB(A) 62.0 dB(A) 25% 50% 91.7 91.3 90.3 Efficiency (%) 75% 92.4 91.0 90.9 100% 93.0 89.7 90.3 25% 0.62 0.71 0.62 50% Power Factor 75% 0.73 0.81 0.75 100% 0.80 0.85 0.81 Non drive end Foundation loads Drive end 6309 Z C3 6208 Z C3 Bearing type Max. traction : 269 kgf Sealing Without Without Max. compression : 360 kgf Bearing Seal Bearing Seal Lubrication interval 20000 h 20000 h

Lubricant amount : 20000 n 20000 Lubricant amount : 13 g 8 g Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 41.1A SF 1.00 SFA 41.1A

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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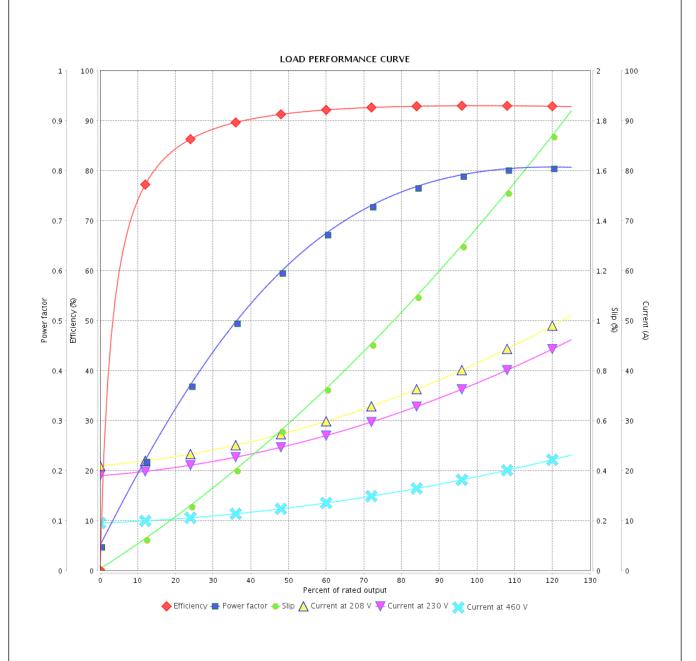
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 13464622

Phase



Performance	: 2	30/460 V 60 Hz 4P				
Rated current	: 3	7.2/18.6 A	Moment of	of inertia (J)	: 0.0767 kgm	2
LRC	: 6	6.7 Duty cycle 6.13 kgfm Insulation class		9	: Cont.(S1) : F	
Rated torque	: 6			class		
Locked rotor torque		240 % Service factor		: 1.15		
Breakdown torque	e : 3	300 % Tempe	Temperat	ure rise	: 80 K	
Rated speed	: 1775 rpm Changes Summary		Design	Design		
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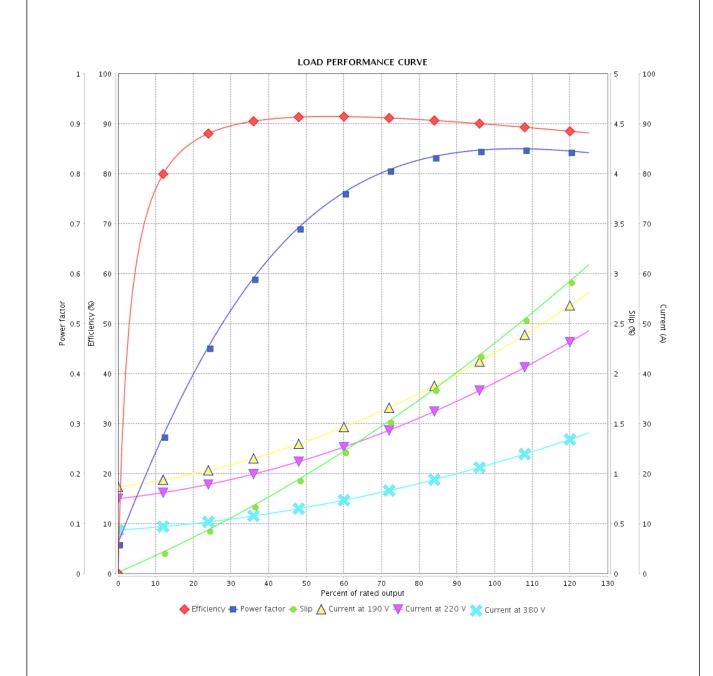
Three Phase Induction Motor - Squirrel Cage



Customer

Product line : NEMA Premium Efficiency Three- Product code : 13464622

Phase



Performance	: 19	90-220/380 V 50 Hz 4	ŀP			
Rated current LRC Rated torque Locked rotor torq Breakdown torqu	e : 220 %		Duty cycle Insulation Service fa Temperati	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise		
Rated speed Rev.	: 1	465 rpm Design Changes Summary		Performed	: B Checked	Date
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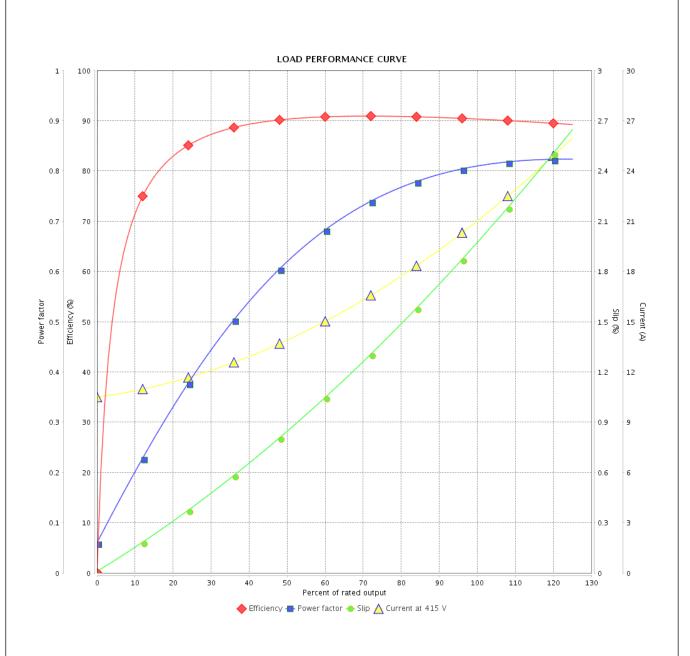
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three- Product code : 13464622

Phase



Performance	: 415 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 20.9 A : 6.3 : 7.41 kgfm : 210 % : 270 % : 1470 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0767 kgm² : Cont.(S1) : F : 1.15 : 80 K : B		
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Date