DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code: 13658095 Frame : 56HC Cooling method : IC01 - ODP Insulation class Mounting : F : F-1 Duty cycle : Cont.(S1) Rotation¹ : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight³ : 13.3 kg Design Moment of inertia (J) : 0.0038 kgm² : A Output [HP] 1.5 1.5 1.5 Poles 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 220/415 190/380 Rated current [A] 4.60/2.30 5.18/2.59 4.89/2.59 L. R. Amperes [A] 28.5/14.2 29.3/15.5 31.7/15.9 LRC [A] 6.9x(Code K) 5.5x(Code G) 6.0x(Code J) No load current [A] 3.20/1.60 3.00/1.50 3.96/2.10 Rated speed [RPM] 1745 1420 1435 Slip [%] 3.06 5.33 4.33 Rated torque [kgfm] 0.624 0.767 0.759 Locked rotor torque [%] 250 170 210 Breakdown torque [%] 280 210 250 Service factor 1.00 1.00 80 K Temperature rise 105 K 105 K 0s (cold) 0s (hot) 0s (cold) 0s (hot) Locked rotor time 18s (cold) 10s (hot) Noise level² 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 77.0 75.5 71.5 Efficiency (%) 75% 78.5 78.5 76.1 100% 80.0 76.7 76.8 25% 50% 0.51 0.62 0.51 Power Factor 75% 0.65 0.76 0.66 100% 0.75 0.84 0.77 Drive end Non drive end Foundation loads

Bearing type : 6204 ZZ 6202 ZZ Max. traction : 54 kgf Sealing : Without Without Max. compression : 67 kgf

Bearing Seal Bearing Seal

Lubrication interval : - - Lubricant amount : - Lubricant type : Mobil Polyrex EM

Notes

USABLE @208V 5.09A SF 1.00 SFA 5.09A

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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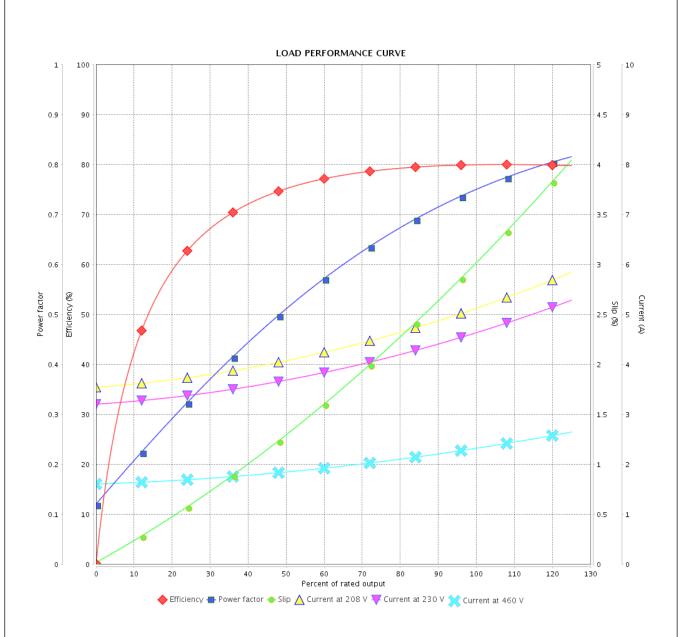
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13658095



Performance	: 230/460 V 60 Hz 4P						
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 4.60/2.30 A : 6.9 : 0.624 kgfm : 250 % : 280 % : 1745 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0038 kgm² : Cont.(S1) : F : : 80 K : A			
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Three Phase Induction Motor - Squirrel Cage



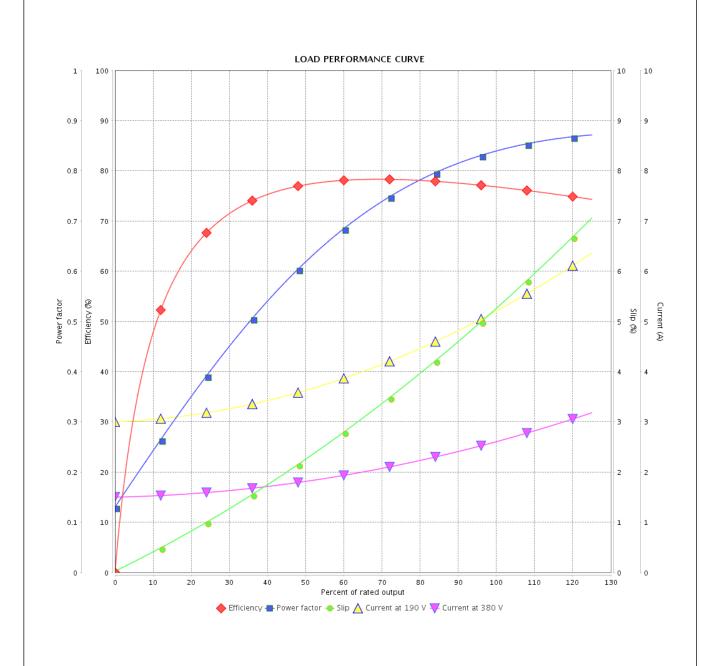
Customer :

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Product line : Standard Efficiency Three-Phase Product code : 13658095



Performance	: 190/380 V 50 Hz 4P					
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 5.18/2.59 A : 5.5 : 0.767 kgfm : 170 % : 210 % : 1420 rpm	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise Design		: 0.0038 kgm² : Cont.(S1) : F : 1.00 : 105 K : A		
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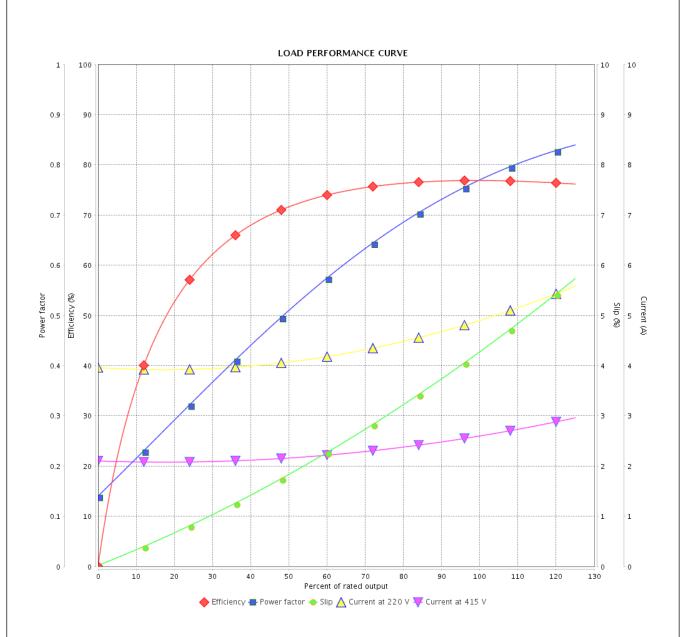
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Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Standard Efficiency Three-Phase Product code : 13658095



Performance	: 220/415 V 50 Hz 4P	: 220/415 V 50 Hz 4P						
Rated current	: 4.89/2.59 A	Moment of inertia (J)		: 0.0038 kgm²				
LRC	: 6.0	Duty cycle		: Cont.(S1)				
Rated torque	: 0.759 kgfm	: 0.759 kgfm Insulation class : 210 % Service factor		class : F				
Locked rotor torqu	ıe : 210 %			: 1.00				
Breakdown torque	: 250 %	Temperati	ıre rise	: 105 K				
Rated speed	: 1435 rpm	: 1435 rpm Design		: A				
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Date

