### **DATA SHEET**

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Three-Phase Product code: 13702735 : IC01 - ODP Frame : 56HC Cooling method Insulation class Mounting : F : F-1 Duty cycle : Cont.(S1) Rotation<sup>1</sup> : Both (CW and CCW) Ambient temperature : -20°C to +40°C Starting method : Direct On Line Altitude : 1000 m.a.s.l. Approx. weight<sup>3</sup> : 17.4 kg Design Moment of inertia (J) : 0.0049 kgm<sup>2</sup> : A Output [HP] 2 2 2 Poles 4 4 4 Frequency [Hz] 60 50 50 Rated voltage [V] 230/460 220/415 190/380 Rated current [A] 5.38/2.69 6.52/3.26 5.79/3.07 L. R. Amperes [A] 41.4/20.7 36.5/18.3 38.8/20.6 LRC [A] 7.7x(Code K) 5.6x(Code G) 6.7x(Code J) No load current [A] 2.75/1.38 2.70/1.35 3.08/1.63 Rated speed [RPM] 1740 1410 1430 Slip [%] 3.33 6.00 4.67 Rated torque [kgfm] 0.834 1.03 1.02 Locked rotor torque [%] 260 200 250 Breakdown torque [%] 320 229 280 Service factor 1.00 1.00 80 K Temperature rise 105 K 80 K 28s (cold) 16s (hot) Locked rotor time 30s (cold) 17s (hot) 27s (cold) 15s (hot) Noise level<sup>2</sup> 52.0 dB(A) 49.0 dB(A) 49.0 dB(A) 25% 50% 85.9 85.5 84.6 Efficiency (%) 75% 86.5 85.0 85.2 100% 86.5 82.2 83.8 25% 50% 0.61 0.69 0.61 Power Factor 75% 0.74 0.80 0.74 100% 0.81 0.85 0.81 Drive end Non drive end Foundation loads Bearing type 6204 ZZ 6202 ZZ Max. traction : 83 kgf Sealing : 100 kgf Without Without Max. compression Bearing Seal Bearing Seal Lubrication interval Lubricant amount Mobil Polyrex EM Lubricant type Notes

USABLE @208V 5.95A SF 1.00 SFA 5.95A

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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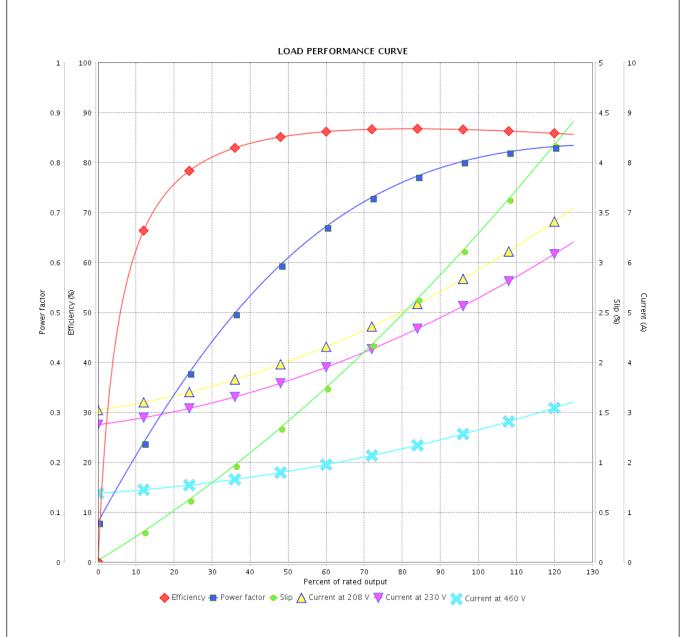
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



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Customer	
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Product line : Three-Phase Product code : 13702735



Performance	: 230/460 V 60 Hz 4P				
Rated current	: 5.38/2.69 A	Moment of inertia (J)		: 0.0049 kgm²	
LRC	: 7.7	Duty cycle		: Cont.(S1)	
Rated torque	: 0.834 kgfm	Insulation class		: F	
Locked rotor torqu	e : 260 %	Service factor		:	
Breakdown torque	: 320 %	Temperature rise		: 80 K	
Rated speed	: 1740 rpm	Design		: A	
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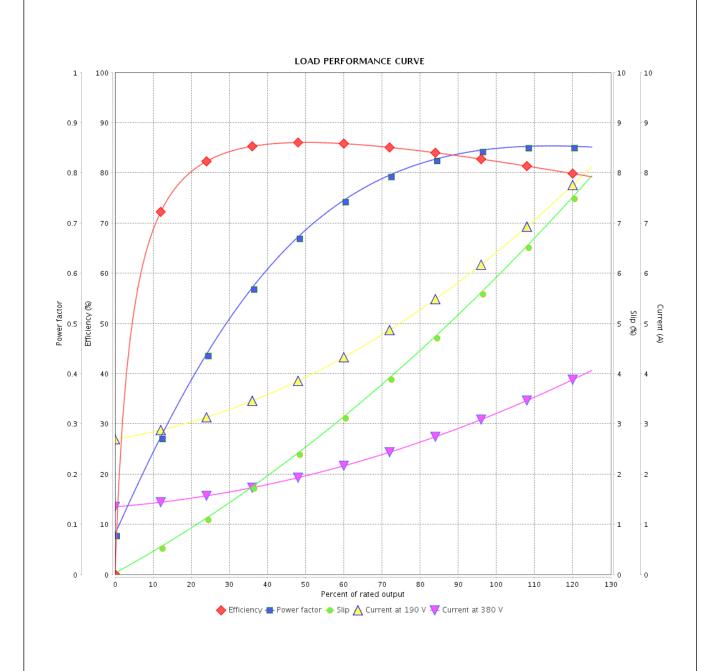
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Three-Phase Product code : 13702735



Performance	: 190/380 V 50 Hz 4	1P			
Rated current LRC Rated torque Locked rotor torq Breakdown torqu Rated speed	: 6.52/3.26 A : 5.6 : 1.03 kgfm : 200 % : 229 % : 1410 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.0049 kgm : Cont.(S1) : F : 1.00 : 105 K : A	2
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# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



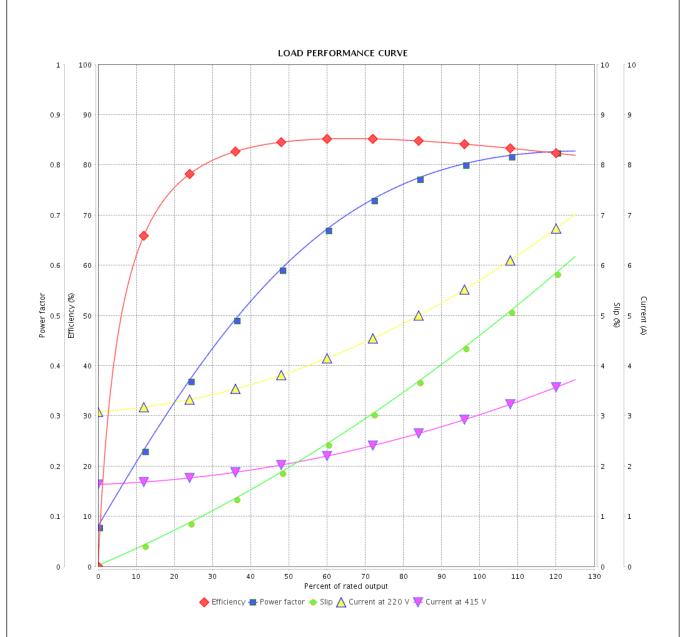
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Product line : Three-Phase Product code : 13702735



Performance	: 220/415 V 50 Hz 4P			,		
Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed		: 6.7 Duty cycle : 1.02 kgfm Insulation class : 250 % Service factor : 280 % Temperature rise		: 0.0049 kgm² : Cont.(S1) : F : 1.00 : 80 K : A		
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