### **DATA SHEET**

Customer

#### Three Phase Induction Motor - Squirrel Cage



Product line : Premium Efficiency Three-Phase Product code: 14595231

Frame : 56 Cooling method : IC01 - ODP Insulation class : F Mounting : 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

7 WINDIGHT COMPON	ataro	. 20 0 10 10 0	Clarting metrica	. Direct Off Line
Altitude		: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 9.5 kg
			Moment of inertia (J)	: 0.0025 kgm²
Output [HP]		0.5	0.5	0.5
Poles		4	4	4
Frequency [Hz]		60	50	50
Rated voltage [V]		208-230/460	190-220/380	415
Rated current [A]		1.90-1.72/0.861	1.89-1.63/0.943	0.959
L. R. Amperes [A]		13.7-12.4/6.20	10.9-9.45/5.47	6.04
LRC [A]		7.2x(Code L)	5.8x(Code J)	6.3x(Code K)
No load current [A	.]	1.12-1.30/0.650	1.23-1.07/0.617	0.737
Rated speed [RPI	Л]	1765	1450	1460
Slip [%]		1.94	3.33	2.67
Rated torque [kgfr	n]	0.206	0.250	0.249
Locked rotor torqu	ıe [%]	240	180	220
Breakdown torque	: [%]	330	260	320
Service factor			1.25	1.25
Temperature rise		80 K	80 K	80 K
Locked rotor time		48s (cold) 27s (hot)	55s (cold) 31s (hot)	46s (cold) 26s (hot)
Noise level <sup>2</sup>		52.0 dB(A)	49.0 dB(A)	49.0 dB(A)
	25%			
Efficiency (%)	50%	70.0	72.6	68.9
Lincicity (70)	75%	75.5	76.6	74.6
	100%	78.2	77.4	76.7
	25%			
Power Factor	50%	0.47	0.55	0.47
1 OWCI I actor	75%	0.60	0.68	0.60
	100%	0.69	0.77	0.70

Drive end Non drive end Foundation loads

Bearing type 6203 ZZ 6202 ZZ Max. traction : 20 kgf Sealing Without Without : 30 kgf Max. compression

Bearing Seal Bearing Seal

Lubrication interval Lubricant amount Mobil Polyrex EM Lubricant type

USABLE @208V SF 1.00

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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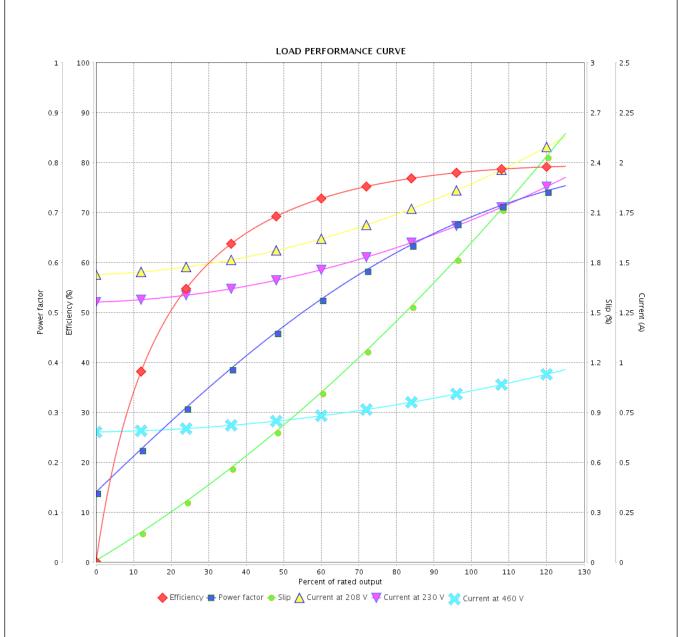
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



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Customer	

Product line : Premium Efficiency Three-Phase Product code : 14595231



Performance	: 208-230/460 V 60 HZ 4P		
Rated current	: 1.90-1.72/0.861 A	Moment of inertia (J)	: 0.0025 kgm²
LRC	: 7.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.206 kgfm	Insulation class	: F

Locked rotor torque : 240 % Service factor : Temperature rise : 80 K

Rated speed : 1765 rpm

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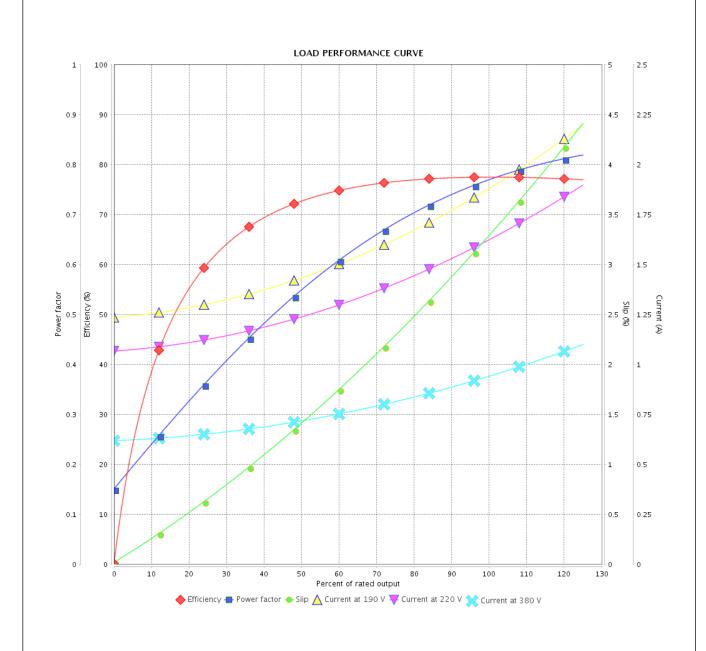
# LOAD PERFORMANCE CURVE

#### Three Phase Induction Motor - Squirrel Cage



Customer

Product line : Premium Efficiency Three-Phase Product code : 14595231



 Performance
 : 190-220/380 V 50 Hz 4P

 Rated current
 : 1.89-1.63/0.943 A
 Moment of inertia (J)
 : 0.0025 kgm²

 LRC
 : 5.8
 Duty cycle
 : Cont.(S1)

 Rated torque
 : 0.250 kgfm
 Insulation class
 : F

Locked rotrque : 180 % Service factor : 1.25
Breakdown torque : 260 % Temperature rise : 80 K
Rated speed : 1450 rpm

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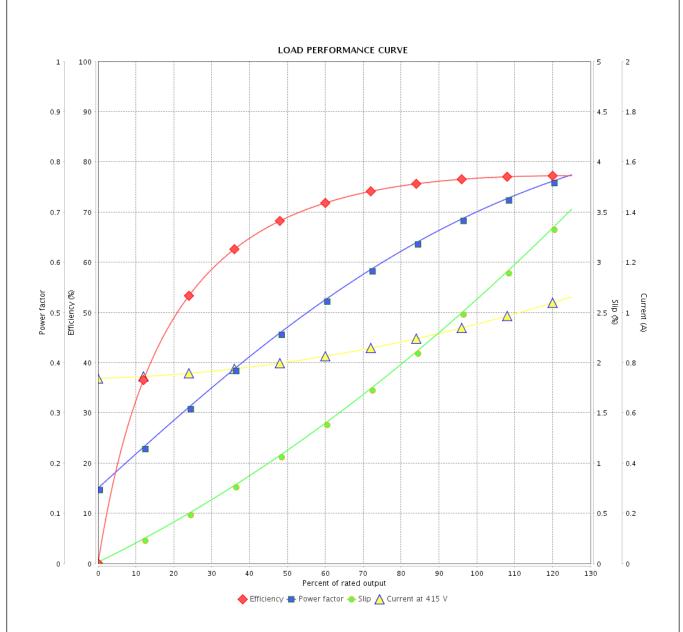
# LOAD PERFORMANCE CURVE

### Three Phase Induction Motor - Squirrel Cage



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Customer	

Product line : Premium Efficiency Three-Phase Product code : 14595231



Performance		: 415 V 50 Hz 4P			,	
renomiance		. 415 V 50 HZ 4F	T			
Rated current		: 0.959 A	Moment of	of inertia (J)	: 0.0025 kgm	2
LRC		: 6.3	Duty cycle		: Cont.(S1)	
Rated torque		: 0.249 kgfm	Insulation	class	: F	
Locked rotor torque : 220 %		: 220 %	Service factor		: 1.25	
Breakdown torque		: 320 %	Temperat	ure rise	: 80 K	
Rated speed		: 1460 rpm				
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