

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase Product code : 10562908

Frame	: A56CEX	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 0.33 HP (0.25 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1.44-1.30/0.650 A	Protection degree	: IP44
L. R. Amperes	: 7.48-6.76/3.38 A	Cooling method	: IC411 - TEFC
LRC	: 5.2x(Code K)	Mounting	: F-1
No load current	: 1.11-1.00/0.500 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 50.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.137 kgfm	Approx. weight ³	: 14.2 kg
Locked rotor torque	: 240 %		
Breakdown torque	: 300 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0026 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	66.0	72.0	74.0	Max. traction	: 6 kgf
Power Factor	0.43	0.50	0.65	Max. compression	: 20 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6203 ZZ
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:
 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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Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C

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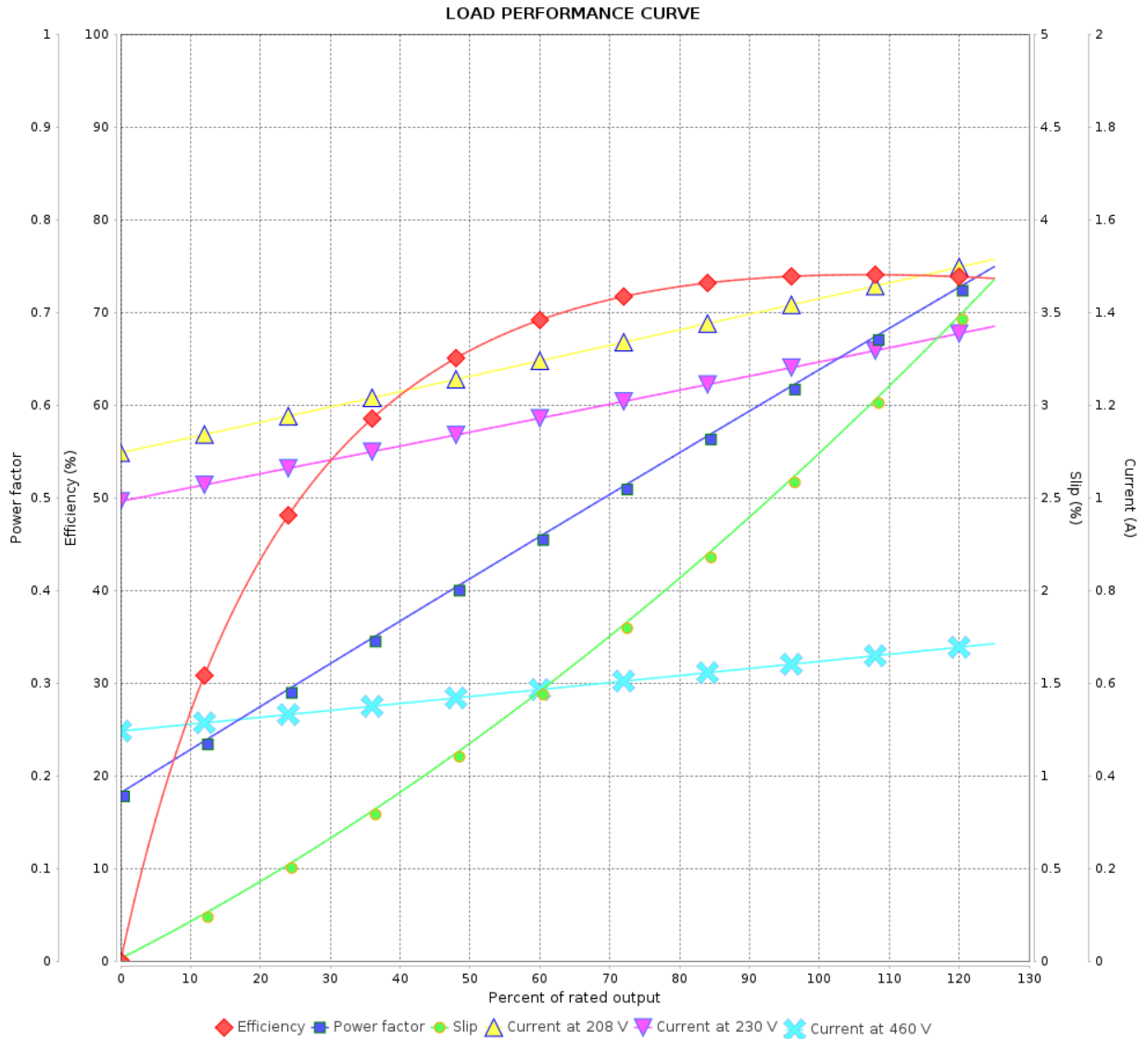
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Explosion Proof Standard Efficiency Three-Phase Product code : 10562908



Performance : 208-230/460 V 60 Hz 4P

Rated current : 1.44-1.30/0.650 A
 LRC : 5.2
 Rated torque : 0.137 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0026 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

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