DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : Explosion Proof Standard Efficiency Three-Phase

Product code : 10674709

Frame	: B56EX	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 0.75 HP (0.550 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	: 2.57-2.32/1.16 A	Protection degree	: IP44
L. R. Amperes	: 14.6-13.2/6.61 A	Cooling method	: IC411 - TEFC
LRC	: 5.7x(Code H)	Mounting	: F-1
No load current	: 1.55-1.40/0.700 A	Rotation[1]	: Both (CW and CCW)
Rated speed	: 1730 rpm	Noise level[2]	: 50.0 dB(A)
Slip	: 3.89 %	Vibration	: A
Rated torque	: 0 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 240 %	Approx. weight[3]	: 17.0 kg
Breakdown torque	: 280 %		: 207N (ISO 12944 - C2)
Insulation class	: B		: RAL 7022
Service factor	: 1.15		
Moment of inertia (J)	: 0.0041 kgm²		

Output	50%	75%	100%
Efficiency (%)	77.0	80.0	81.5
Power Factor	0.53	0.66	0.74

Foundation loads

Max. traction	: 20 kgf
Max. compression	: 36 kgf

		Drive end	Non drive end
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.

Rev.	Changes Summary	Performed	Checked	Date

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Three Phase Induction Motor - Squirrel Cage

Customer :

Thermal protection

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

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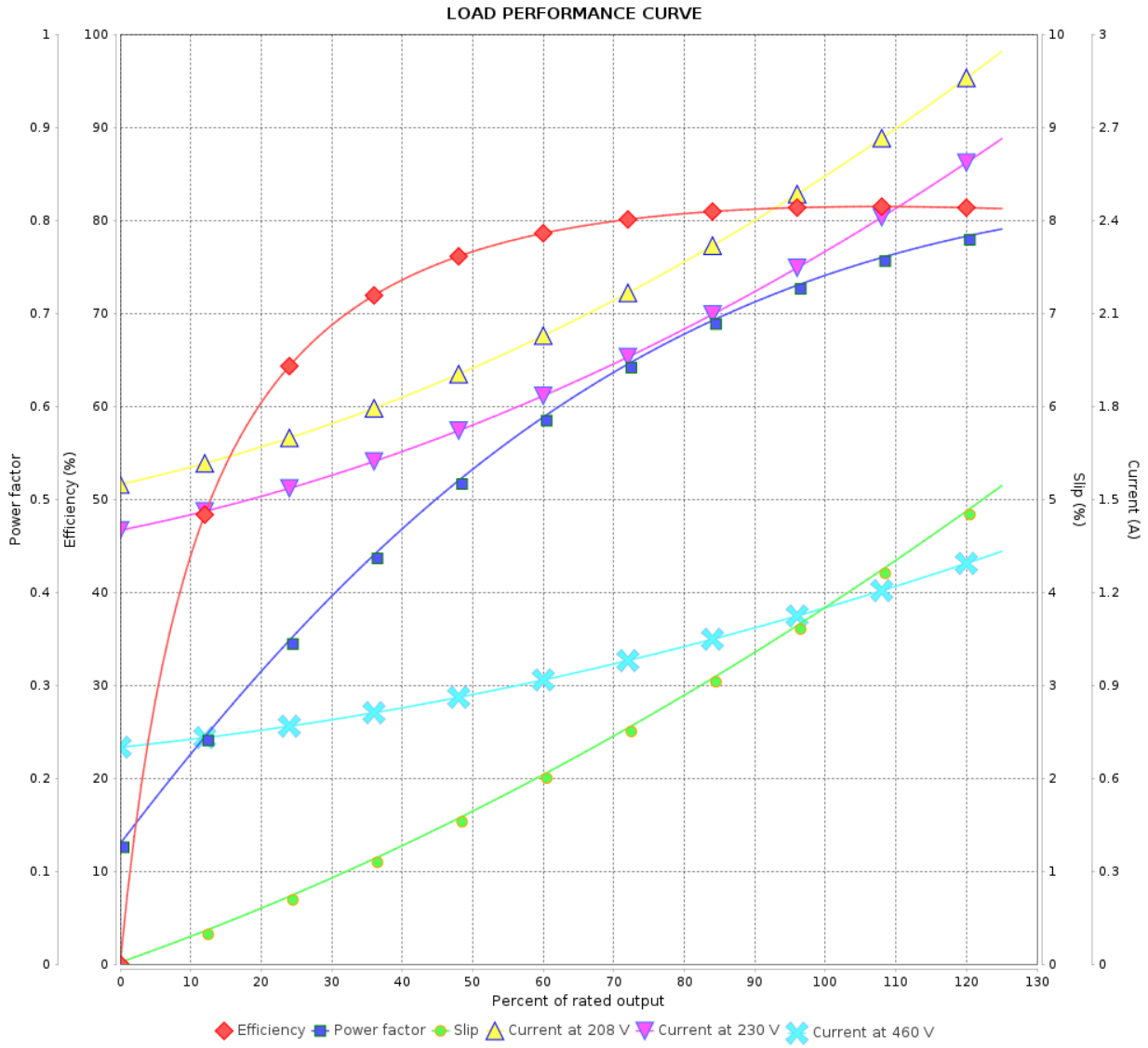
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:
Product line	: Explosion Proof Standard Efficiency Three-Phase
Product code :	10674709



Performance	: 208-230/460 V 60 Hz 4P		
Rated current	: 2.57-2.32/1.16 A	Moment of inertia (J)	: 0.0041 kgm²
LRC	: 5.7	Duty cycle	: Cont.(S1)
Rated torque	: 0 kgfm	Insulation class	: B
Locked rotor torque	: 240 %	Service factor	:
Breakdown torque	: 280 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm		

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