

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase Product code : 11994523

Frame	: E143/5TC	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 5.80/2.90 A	Protection degree	: IP21
L. R. Amperes	: 45.2/22.6 A	Cooling method	: IC01 - ODP
LRC	: 7.8x(Code L)	Mounting	: F-1
No load current	: 3.60/1.80 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1730 rpm	Noise level ²	: 52.0 dB(A)
Slip	: 3.89 %	Starting method	: Direct On Line
Rated torque	: 0.839 kgfm	Approx. weight ³	: 20.2 kg
Locked rotor torque	: 340 %		
Breakdown torque	: 320 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0068 kgm ²		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	82.5	84.0	84.0	Max. traction	: 66 kgf
Power Factor	0.58	0.70	0.78	Max. compression	: 86 kgf

	Drive end	Non drive end
Bearing type	: 6205 ZZ	6204 ZZ
Sealing	: Without Bearing Seal	Without Bearing Seal
Lubrication interval	: -	-
Lubricant amount	: -	-
Lubricant type	Mobil Polyrex EM	

Notes
USABLE @208V 6.30A SF 1.00 SFA 6.30A

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

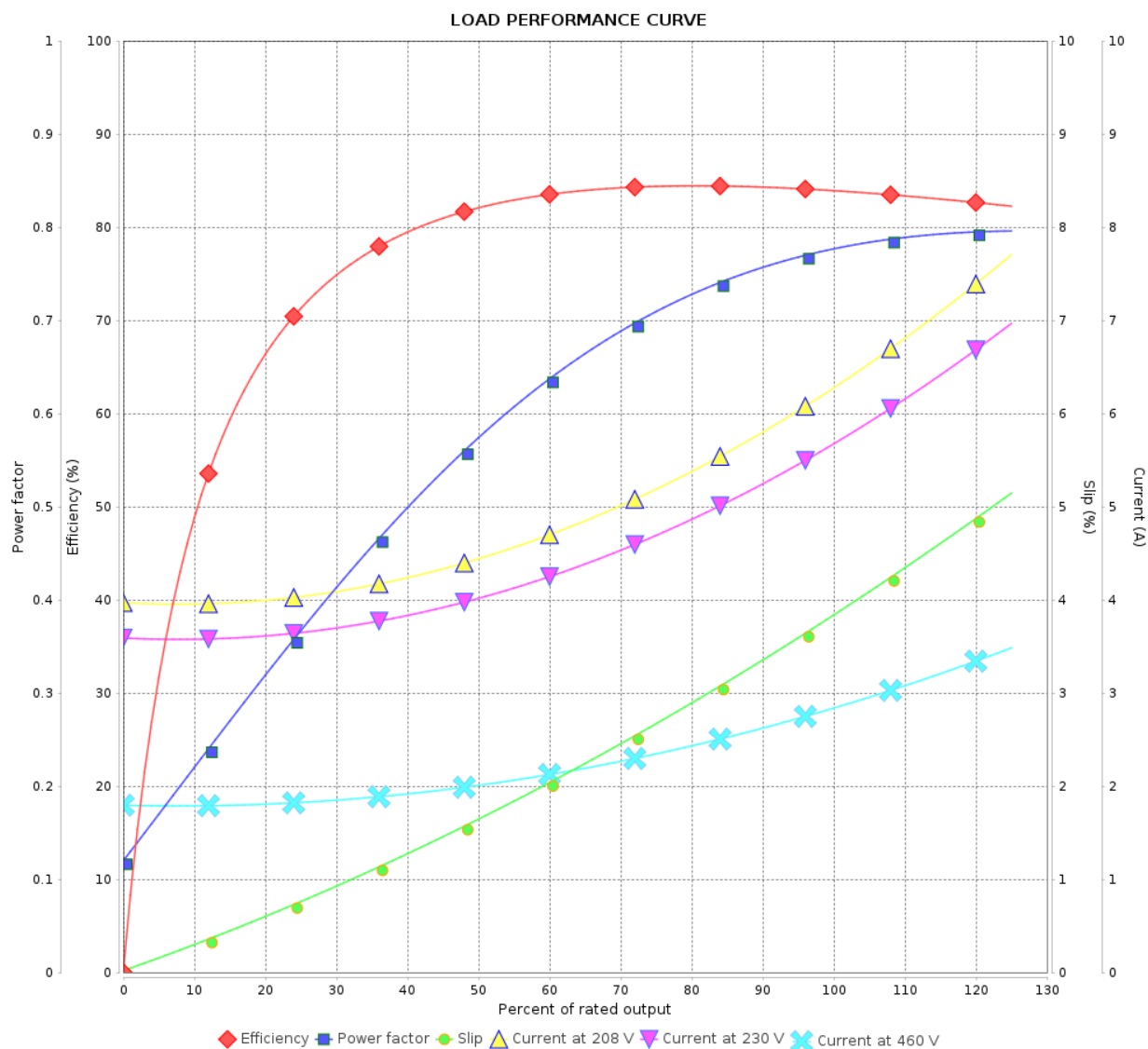
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase

Product code : 11994523



Performance : 230/460 V 60 Hz 4P

Rated current : 5.80/2.90 A
LRC : 7.8
Rated torque : 0.839 kgfm
Locked rotor torque : 340 %
Breakdown torque : 320 %
Rated speed : 1730 rpm

Moment of inertia (J) : 0.0068 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor :
Temperature rise : 80 K
Design : B

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