

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : General Single-Phase

Product code : 10722428

Frame	: F143/5T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1 HP (0.75 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/208-230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 12.8/6.40-6.40 A	Protection degree	: IP55
L. R. Amperes	: 89.6/44.8-44.8 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code M)	Mounting	: F-1
No load current	: 9.00/3.88-4.50 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight ³	: 16.4 kg
Rated torque	: 0.207 kgfm		
Locked rotor torque	: 320 %		
Breakdown torque	: 280 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0022 kgm ²		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	51.9	55.0	63.0	67.0	Max. traction	: 8 kgf
Power Factor	0.33	0.56	0.67	0.75	Max. compression	: 24 kgf

	Drive end	Non drive end
Bearing type	: 6205 ZZ	6203 ZZ
Sealing	: V'Ring	V'Ring
Lubrication interval	: -	-
Lubricant amount	: -	-
Lubricant type	: Mobil Polyrex EM	

Notes:

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
Performed by				
Checked by			Page	Revision
Date	15/01/2024		1 / 2	

LOAD PERFORMANCE CURVE

Single Phase Induction Motor - Squirrel Cage

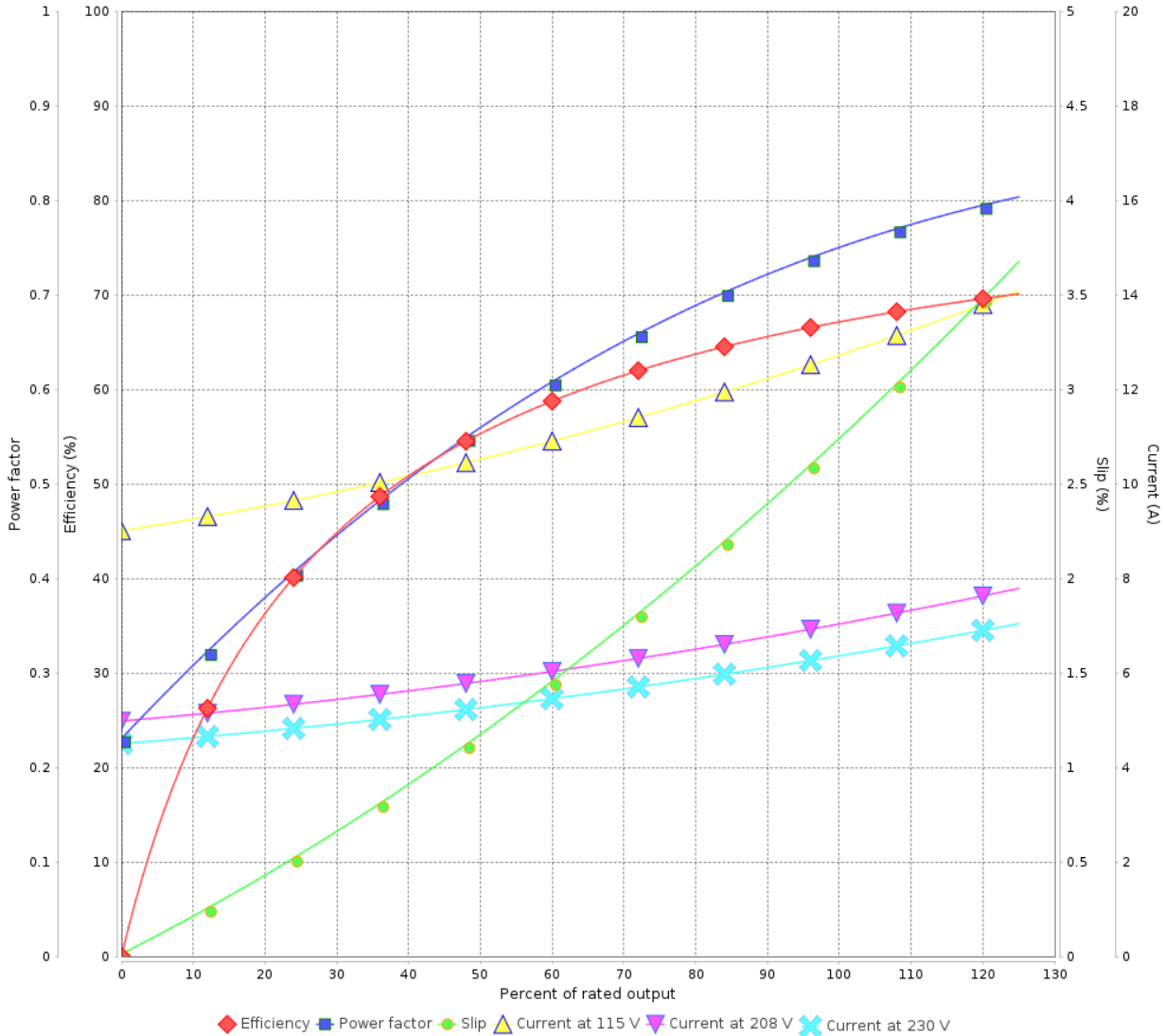


Customer :

Product line : General Single-Phase

Product code : 10722428

LOAD PERFORMANCE CURVE



Performance : 115/208-230 V 60 Hz 2P

Rated current : 12.8/6.40-6.40 A
 LRC : 7.0
 Rated torque : 0.207 kgfm
 Locked rotor torque : 320 %
 Breakdown torque : 280 %
 Rated speed : 3500 rpm

Moment of inertia (J) : 0.0022 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor :
 Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by			Page 2 / 2	Revision
Checked by				
Date	15/01/2024			