

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Farm Duty Single-Phase Product code : 11495023

Frame	: 215T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 40.5 A	Protection degree	: IP55
L. R. Amperes	: 271 A	Cooling method	: IC411 - TEFC
LRC	: 6.7x(Code G)	Mounting	: F-1
No load current	: 12.8 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1740 rpm	Starting method	: Direct On Line
Slip	: 3.33 %	Approx. weight ³	: 84.7 kg
Rated torque	: 4.17 kgfm		
Locked rotor torque	: 240 %		
Breakdown torque	: 240 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0486 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	80.0	82.0	83.0	Max. traction	: 143 kgf
Power Factor	0.89	0.94	0.97	Max. compression	: 227 kgf

	Drive end	Non drive end
Bearing type	: 6308 ZZ	: 6206 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		Page 1 / 2 Revision		
Checked by				
Date	20/10/2024			

LOAD PERFORMANCE CURVE

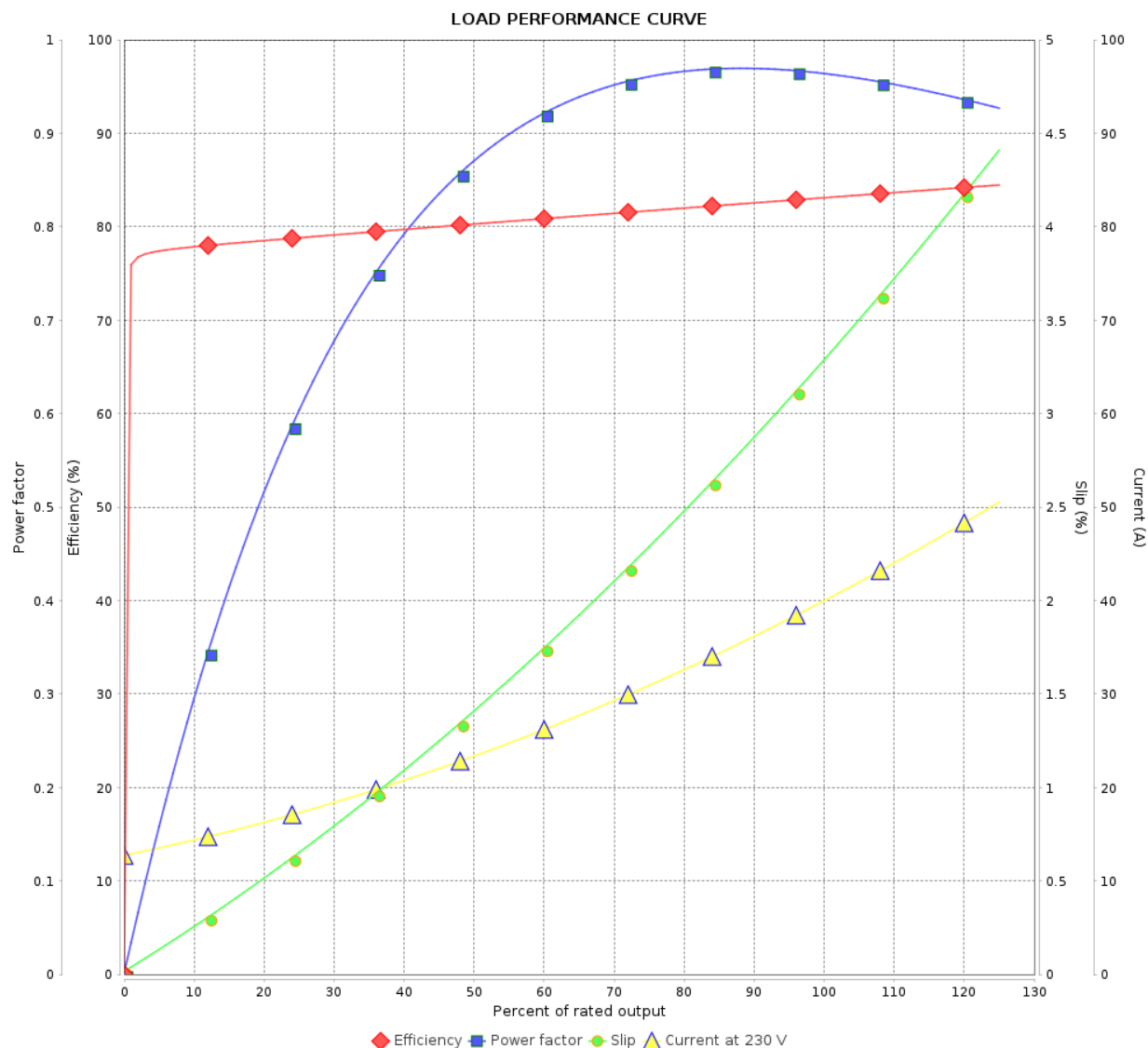
Single Phase Induction Motor - Squirrel Cage



Customer :

Product line : Farm Duty Single-Phase

Product code : 11495023



Performance : 230 V 60 Hz 4P

Rated current : 40.5 A
LRC : 6.7
Rated torque : 4.17 kgfm
Locked rotor torque : 240 %
Breakdown torque : 240 %
Rated speed : 1740 rpm

Moment of inertia (J) : 0.0486 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 2 / 2Revision		
Checked by				
Date	20/10/2024			