

DATA SHEET



Single Phase Induction Motor - Squirrel Cage

Customer :

Product line : Farm Duty Single-Phase Product code : 10021929

Frame	: G145T	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 1.5 HP (1.1 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 115/230 V	Altitude	: 1000 m.a.s.l.
Rated current	: 17.4/8.70 A	Protection degree	: IP55
L. R. Amperes	: 113/56.5 A	Cooling method	: IC411 - TEFC
LRC	: 6.5x(Code K)	Mounting	: F-1
No load current	: 11.8/5.90 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 55.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 0.622 kgfm	Approx. weight ³	: 22.6 kg
Locked rotor torque	: 280 %		
Breakdown torque	: 260 %		
Insulation class	: B		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0082 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	70.0	75.0	76.5	Max. traction	: 40 kgf
Power Factor	0.52	0.64	0.72	Max. compression	: 63 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	20/10/2024		1 / 2	

LOAD PERFORMANCE CURVE

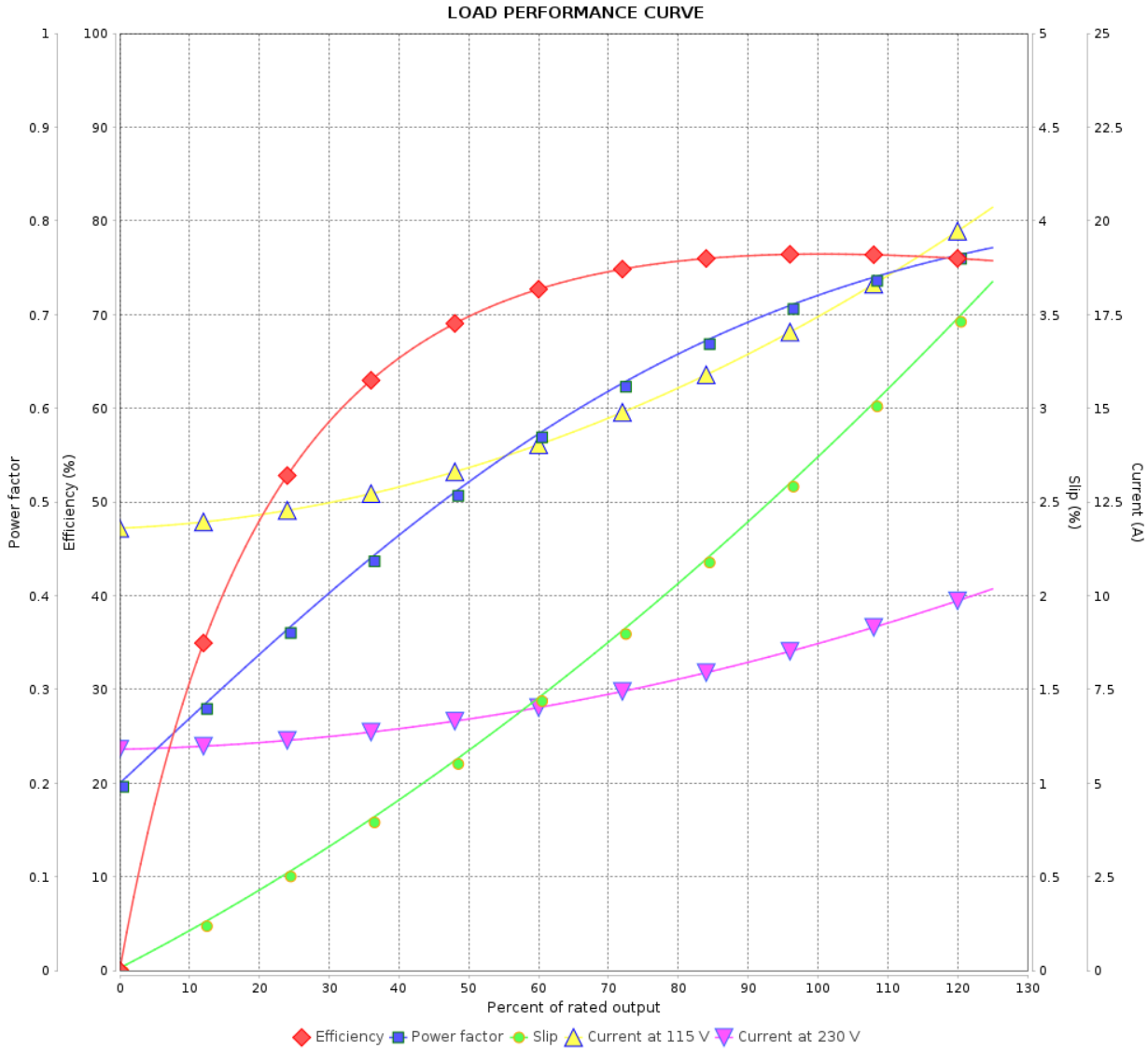
Single Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : Farm Duty Single-Phase

Product code : 10021929



Performance : 115/230 V 60 Hz 4P

Rated current : 17.4/8.70 A
 LRC : 6.5
 Rated torque : 0.622 kgfm
 Locked rotor torque : 280 %
 Breakdown torque : 260 %
 Rated speed : 1750 rpm

Moment of inertia (J) : 0.0082 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : B
 Service factor : 1.15
 Temperature rise : 80 K

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