

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase Product code : 13739158

Frame	: 364/5TC	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 60 HP (45 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 50 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 1000 V	Altitude	: 1000 m.a.s.l.
Rated current	: 33.1 A	Protection degree	: IP55
L. R. Amperes	: 278 A	Cooling method	: IC411 - TEFC
LRC	: 8.4x(Code K)	Mounting	: F-1
No load current	: 13.7 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1480 rpm	Starting method	: Direct On Line
Slip	: 1.33 %	Approx. weight ³	: 437 kg
Rated torque	: 29.4 kgfm		
Locked rotor torque	: 290 %		
Breakdown torque	: 340 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.7126 kgm ²		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	93.6	94.1	94.5	Max. traction	: 905 kgf
Power Factor	0.00	0.67	0.78	0.83	Max. compression	: 1342 kgf

		Drive end	Non drive end
Bearing type	:	6314 C3	6314 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	14000 h	14000 h
Lubricant amount	:	27 g	27 g
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	19/10/2024			

LOAD PERFORMANCE CURVE

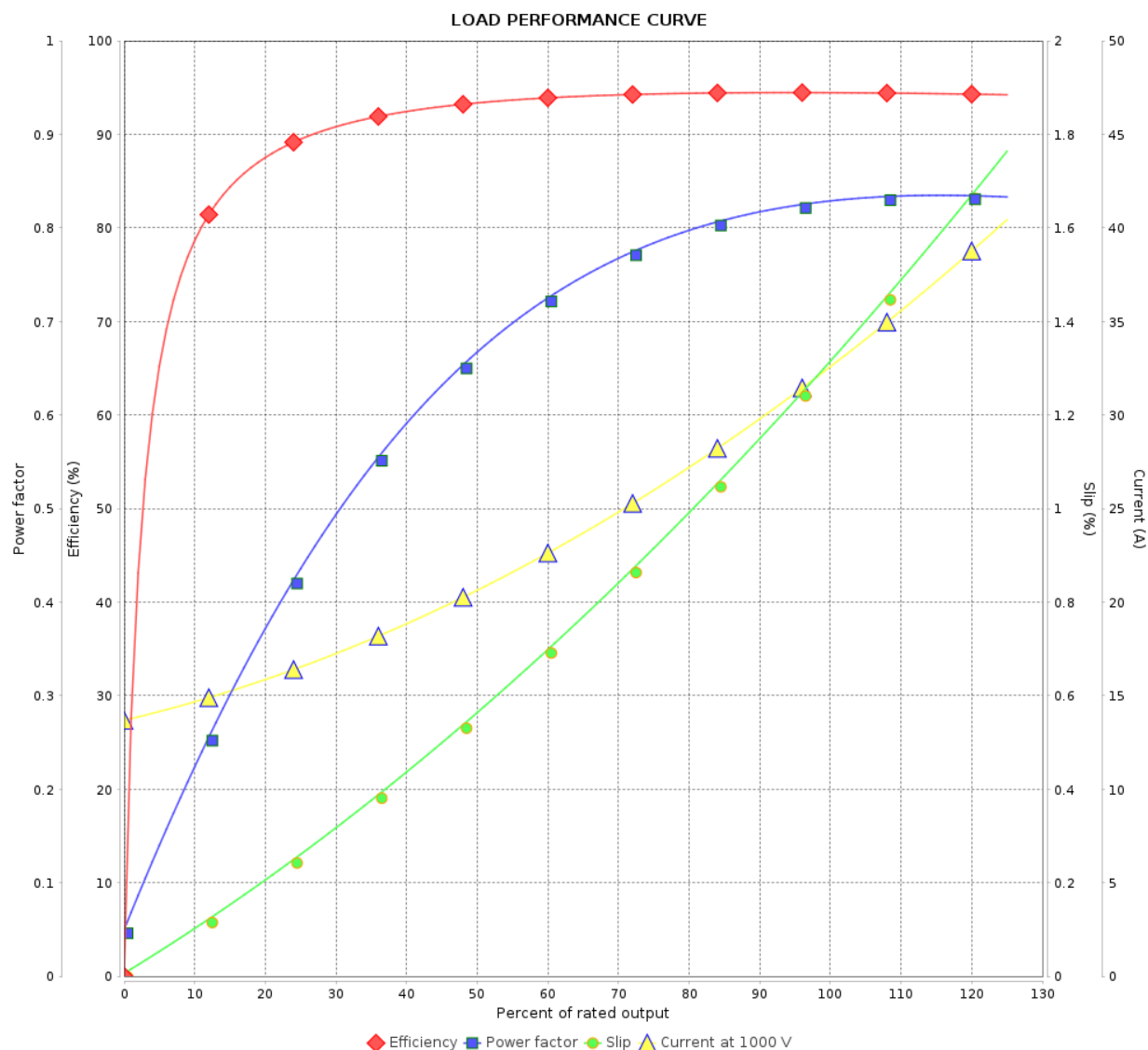
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency
Three-Phase

Product code : 13739158



Performance : 1000 V 50 Hz 4P

Rated current : 33.1 A
LRC : 8.4
Rated torque : 29.4 kgfm
Locked rotor torque : 290 %
Breakdown torque : 340 %
Rated speed : 1480 rpm

Moment of inertia (J) : 0.7126 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : A

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