

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: Rolled Steel 00022 Single-Phase		Product code : 14058208	
Frame	: 182/4T	Locked rotor time	: 10s (cold) 6s (hot)		
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K		
Frequency	: 60 Hz	Duty cycle	: Cont.(S1)		
Rated voltage	: 115/230 V	Ambient temperature	: -20°C to +40°C		
Poles	: 4	Altitude	: 1000 m.a.s.l.		
Rated current	: 19.9/9.96 A	Protection degree	: IP55		
	: 10.3x(Code N)	Cooling method	: IC411 - TEFC		
Rated speed	: 1770 rpm	Mounting	: F-1		
Rated torque	: 0.820 kgfm	Rotation ¹	: Both (CW and CCW)		
Insulation class	: F	Noise level ²	: 59.0 dB(A)		
Service factor	: 1.15	Starting method	: Direct On Line		
Moment of inertia (J)	: 0.0137 kgm ²	Approx. weight ³	: 37.9 kg		
Output	25%	50%	75%	100%	
Efficiency (%)	63.4	66.0	74.0	77.0	
Power Factor	0.42	0.72	0.80	0.85	
Foundation loads					
Max. traction : 48 kgf					
Max. compression : 86 kgf					
		<u>Drive end</u>	<u>Non drive end</u>		
Bearing type	:	6206 2RS	6205 2RS		
Sealing	:	V'Ring	Without Bearing Seal		
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					
Date	11/05/2026			Page	Revision
				1 / 2	

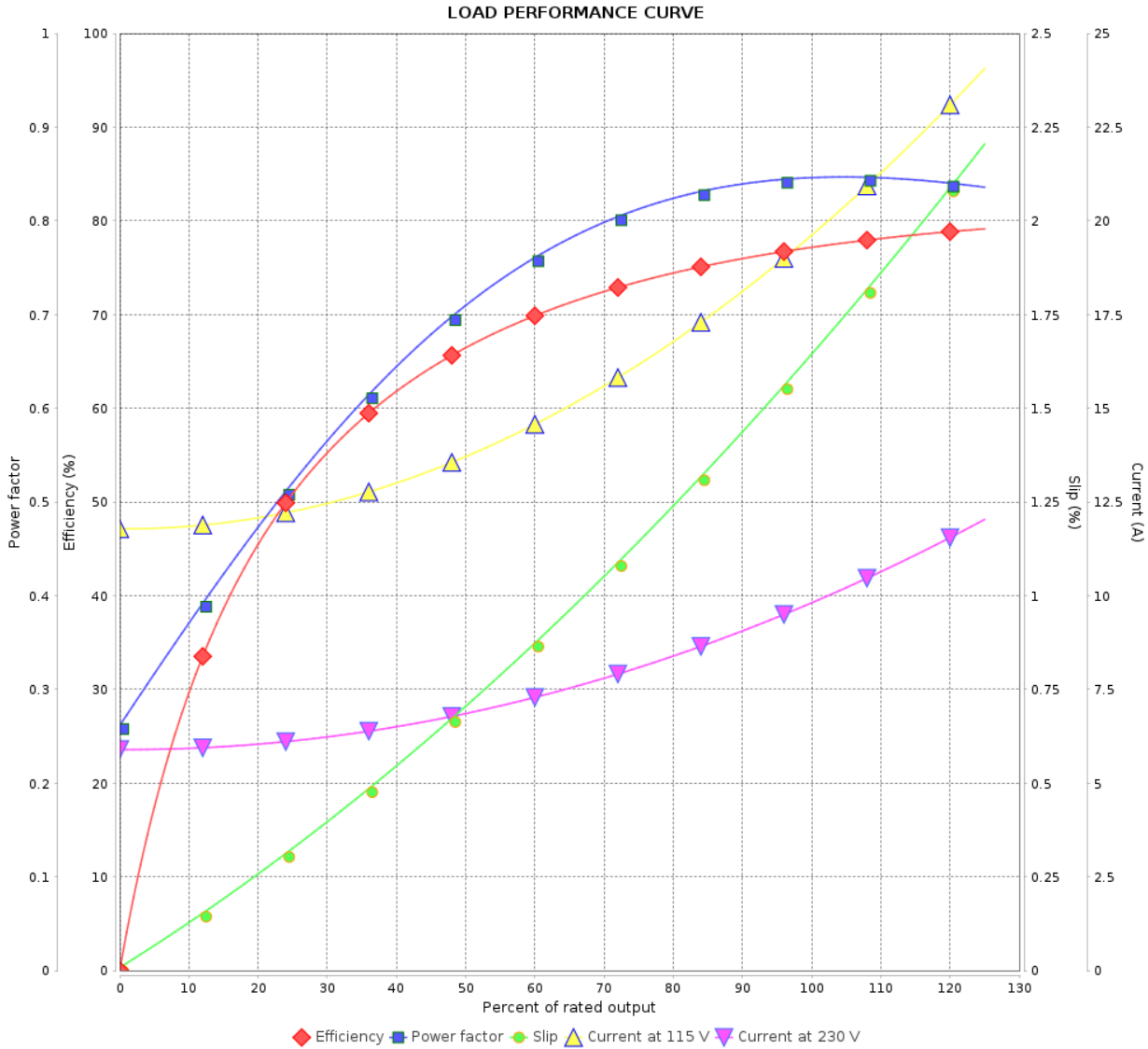
LOAD PERFORMANCE CURVE

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