

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14282852

Frame	: 404/5TS	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 150 HP (110 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 134 A	Protection degree	: IP23
L. R. Amperes	: 885 A	Cooling method	: IC01 - ODP
LRC	: 6.6x(Code G)	Mounting	: F-1
No load current	: 31.2 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3550 rpm	Vibration	: A
Slip	: 1.39 %	Starting method	: Direct On Line
Rated torque	: 30 kgfm	Approx. weight ³	: 422 kg
Locked rotor torque	: 200 %	Painting plan	: 203A (ISO 12944 - C3)
Breakdown torque	: 220 %	Color	: RAL 3002
Insulation class	: F	Design	: B
Service factor	: 1.15		
Moment of inertia (J)	: 0.3877 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	93.0	93.6	93.6	Max. traction	: 452 kgf
Power Factor	0.82	0.87	0.88	Max. compression	: 875 kgf

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	14418 h	20000 h
Lubricant amount	:	27 g	13 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	30/09/2026			

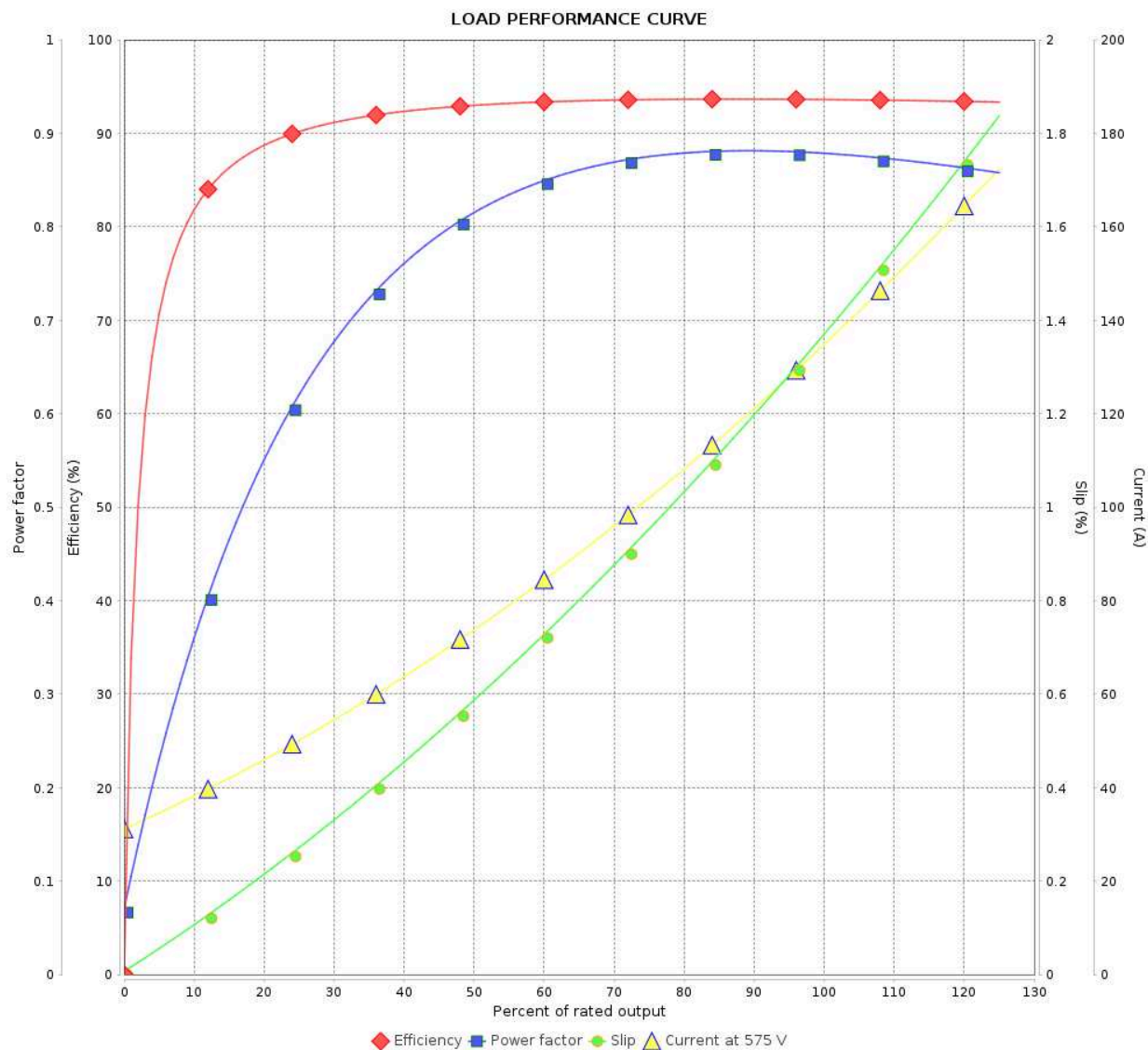
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase Product code : 14282852



Performance : 575 V 60 Hz 2P

Rated current : 134 A
LRC : 6.6
Rated torque : 30 kgfm
Locked rotor torque : 200 %
Breakdown torque : 220 %
Rated speed : 3550 rpm

Moment of inertia (J) : 0.3877 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.15
Temperature rise : 80 K
Design : B

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page 2 / 2	Revision
Checked by					
Date	30/09/2026				

