DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W40 NEMA Premium Efficiency Three-Phase

Product code : 14966857

Frame	: 324T	Locked rotor time	: 32s (cold) 18s (hot)
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K
Poles	: 6	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	: 24.6 A	Protection degree	: IP23
L. R. Amperes	: 153 A	Cooling method	: IC01 - ODP
LRC	: 6.2x(Code G)	Mounting	: F-1
No load current	: 11.4 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1183 rpm	Noise level²	: 62.0 dB(A)
Slip	: 1.42 %	Starting method	: Direct On Line
Rated torque	: 15.3 kgfm	Approx. weight³	: 205 kg
Locked rotor torque	: 210 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.3241 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	91.7	92.4	93.0
Power Factor	0.65	0.76	0.81

Foundation loads

Max. traction

Max. compression

		Drive end	Non drive end
Bearing type	:	6312 Z C3	6211 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	21 g	11 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				
Checked by			Page	Revision
Date	15/01/2024		1 / 2	

LOAD PERFORMANCE CURVE

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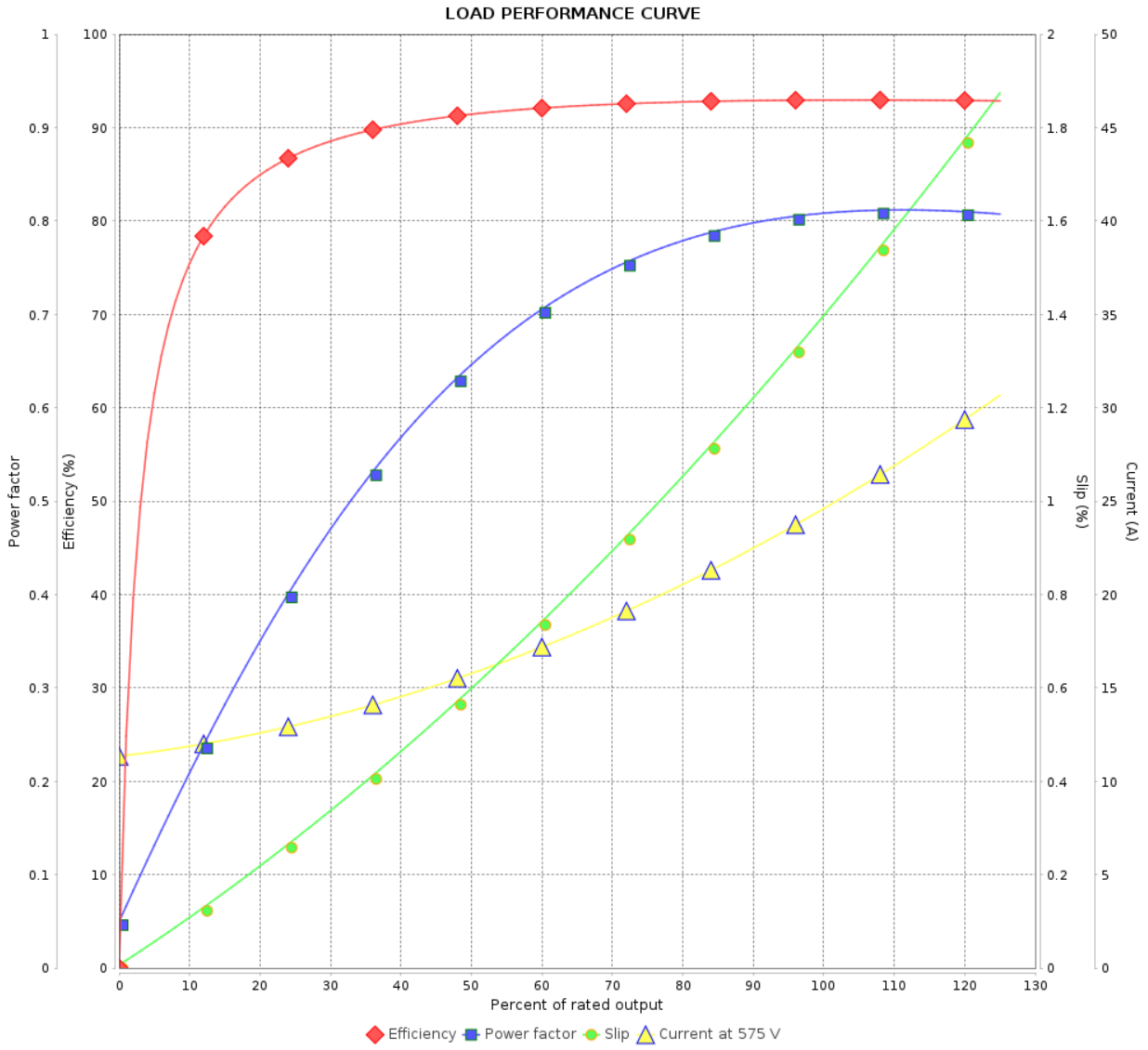
Customer	:		
Product line	: W40 NEMA Premium Efficiency Three-Phase	Product code :	14966857



Performance	: 575 V 60 Hz 6P		
Rated current	: 24.6 A	Moment of inertia (J)	: 0.3241 kgm²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 15.3 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.25
Breakdown torque	: 250 %	Temperature rise	: 80 K
Rated speed	: 1183 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	15/01/2024		2 / 2	