DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : General NEMA Premium Efficiency Three-Phase

Product code : 10640485

Frame	: E143/5T	Locked rotor time	: 27s (cold) 15s (hot)
Output	: 2 HP (1.5 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 2.32 A	Protection degree	: IP21
L. R. Amperes	: 19.0 A	Cooling method	: IC01 - ODP
LRC	: 8.2x(Code L)	Mounting	: F-1
No load current	: 1.28 A	Rotation¹	: Both (CW and CCW)
Rated speed	: 1730 rpm	Noise level²	: 52.0 dB(A)
Slip	: 3.89 %	Starting method	: Direct On Line
Rated torque	: 0.839 kgfm	Approx. weight³	: 19.6 kg
Locked rotor torque	: 350 %		
Breakdown torque	: 330 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0067 kgm²		
Design	: B		

Output	50%	75%	100%
Efficiency (%)	82.5	85.5	86.5
Power Factor	0.58	0.70	0.78

Foundation loads

Max. traction : 69 kgf

Max. compression : 89 kgf

		Drive end	Non drive end
Bearing type	:	6205 ZZ	6204 ZZ
Sealing	:	Without Bearing Seal	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

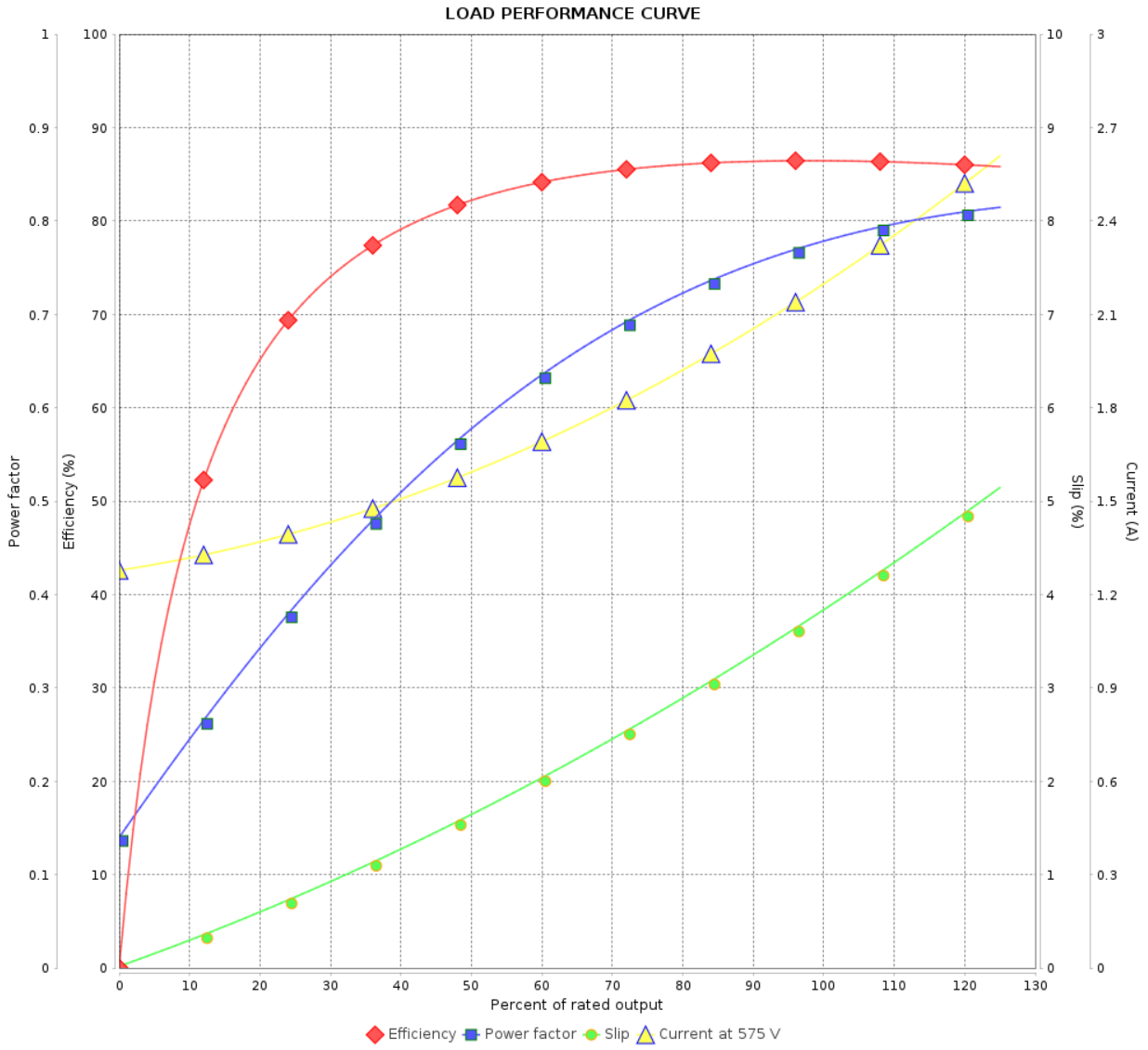
Performed by				
Checked by			Page	Revision
Date	05/02/2024		1 / 2	

LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:

Product line	: General NEMA Premium Efficiency Three-Phase	Product code :	10640485



Performance	: 575 V 60 Hz 4P		
Rated current	: 2.32 A	Moment of inertia (J)	: 0.0067 kgm²
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.839 kgfm	Insulation class	: F
Locked rotor torque	: 350 %	Service factor	: 1.15
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 1730 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date

Performed by				
Checked by			Page	Revision
Date	05/02/2024		2 / 2	