DATA SHEET

Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11992396

Frame	: 182/4TC
Output	: 7.5 HP (5.5 kW)
Poles	: 2
Frequency	: 60 Hz
Rated voltage	: 575 V
Rated current	: 7.01 A
L. R. Amperes	: 57.5 A
LRC	: 8.2x(Code J)
No load current	: 2.32 A
Rated speed	: 3485 rpm
Slip	: 3.19 %
Rated torque	: 1 kgfm
Locked rotor torque	: 270 %
Breakdown torque	: 330 %
Insulation class	: F
Service factor	: 1.25
Moment of inertia (J)	: 0.0095 kgm²

Locked rotor time	: 30s (cold) 17s (hot)
Temperature rise	: 80 K
Duty cycle	: Cont.(S1)
Ambient temperature	: -20°C to +40°C
Altitude	: 1000 m.a.s.l.
Protection degree	: IP55
Cooling method	: IC411 - TEFC
Mounting	: F-1
Rotation[1]	: Both (CW and CCW)
Noise level[2]	: 66.0 dB(A)
Vibration	: A
Starting method	: Direct On Line
Approx. weight[3]	: 42.0 kg
	: 207A (ISO 12944 - C3)
	: RAL 5009
Design	: A

Output	50%	75%	100%
Efficiency (%)	88.5	89.5	89.5
Power Factor	0.75	0.84	0.88

Foundation loads

Max. traction	: 85 kgf
Max. compression	: 131 kgf

Losses at normative operating points (speed;torque), in percentage of rated output power

P1 (0,9;1,0)	P2 (0,5;1,0)	P3 (0,25;1,0)	P4 (0,9;0,5)	P5 (0,5;0,5)	P6 (0,5;0,25)	P7 (0,25;0,25)
11.4	9.4	8.7	5.3	3.4	2.1	1.3

		Drive end	Non drive end
Bearing type	:	6207 ZZ	6206 ZZ
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	00088	

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

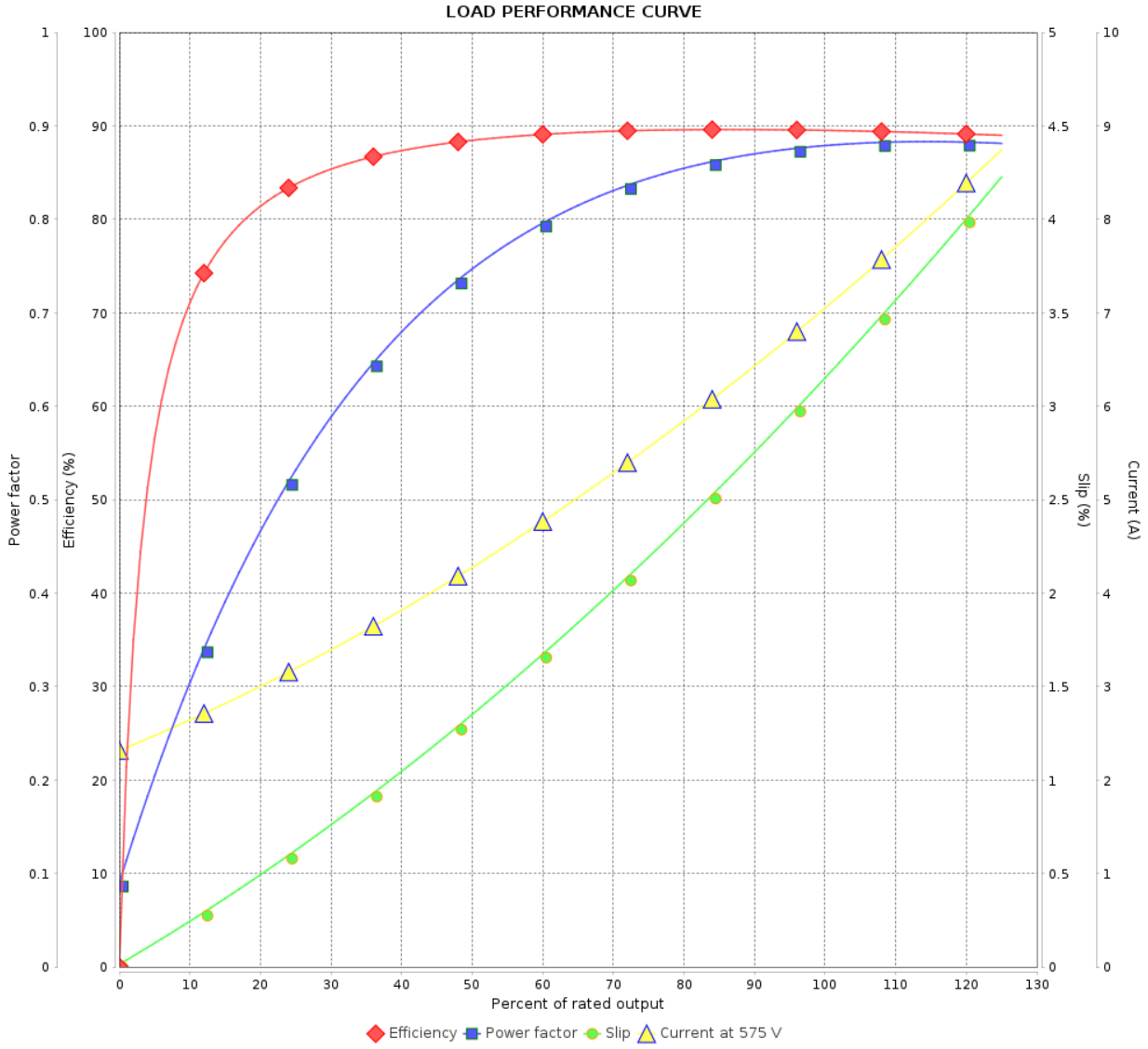
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LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage

Customer	:		
Product line	: W22 NEMA Premium Efficiency Three-Phase	Product code :	11992396



Performance	: 575 V 60 Hz 2P		
Rated current	: 7.01 A	Moment of inertia (J)	: 0.0095 kgm²
LRC	: 8.2	Duty cycle	: Cont.(S1)
Rated torque	: 1 kgfm	Insulation class	: F
Locked rotor torque	: 270 %	Service factor	: 1.25
Breakdown torque	: 330 %	Temperature rise	: 80 K
Rated speed	: 3485 rpm	Design	: A

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