

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 15808380
Efficiency Three-Phase

Frame	: 284/6T	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 15 HP (11 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	: 14.3 A	Protection degree	: IP55
L. R. Amperes	: 93.2 A	Cooling method	: IC411 - TEFC
LRC	: 6.5x(Code G)	Mounting	: F-1
No load current	: 5.92 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1175 rpm	Noise level ²	: 59.0 dB(A)
Slip	: 2.08 %	Vibration	: A
Rated torque	: 9 kgfm	Starting method	: Direct On Line
Locked rotor torque	: 229 %	Approx. weight ³	: 172 kg
Breakdown torque	: 240 %		: 203A (ISO 12944 - C3)
Insulation class	: F		: RAL 5009
Service factor	: 1.25	Design	: B
Moment of inertia (J)	: 0.3310 kgm ²		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.0	91.7	91.7	Max. traction	: 208 kgf
Power Factor	0.69	0.80	0.84	Max. compression	: 428 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)
8.5	6.8	6.4	5.1	3.4	2.6	1.9

	Drive end	Non drive end
Bearing type	: 6311 C3	6211 C3
Sealing	: V'Ring	Lip Seal
Lubrication interval	: 20000 h	20000 h
Lubricant amount	: 18 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.

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Customer :

Brake information

Voltage: 525-575 V
Brake Torque: 26.5 kgfm

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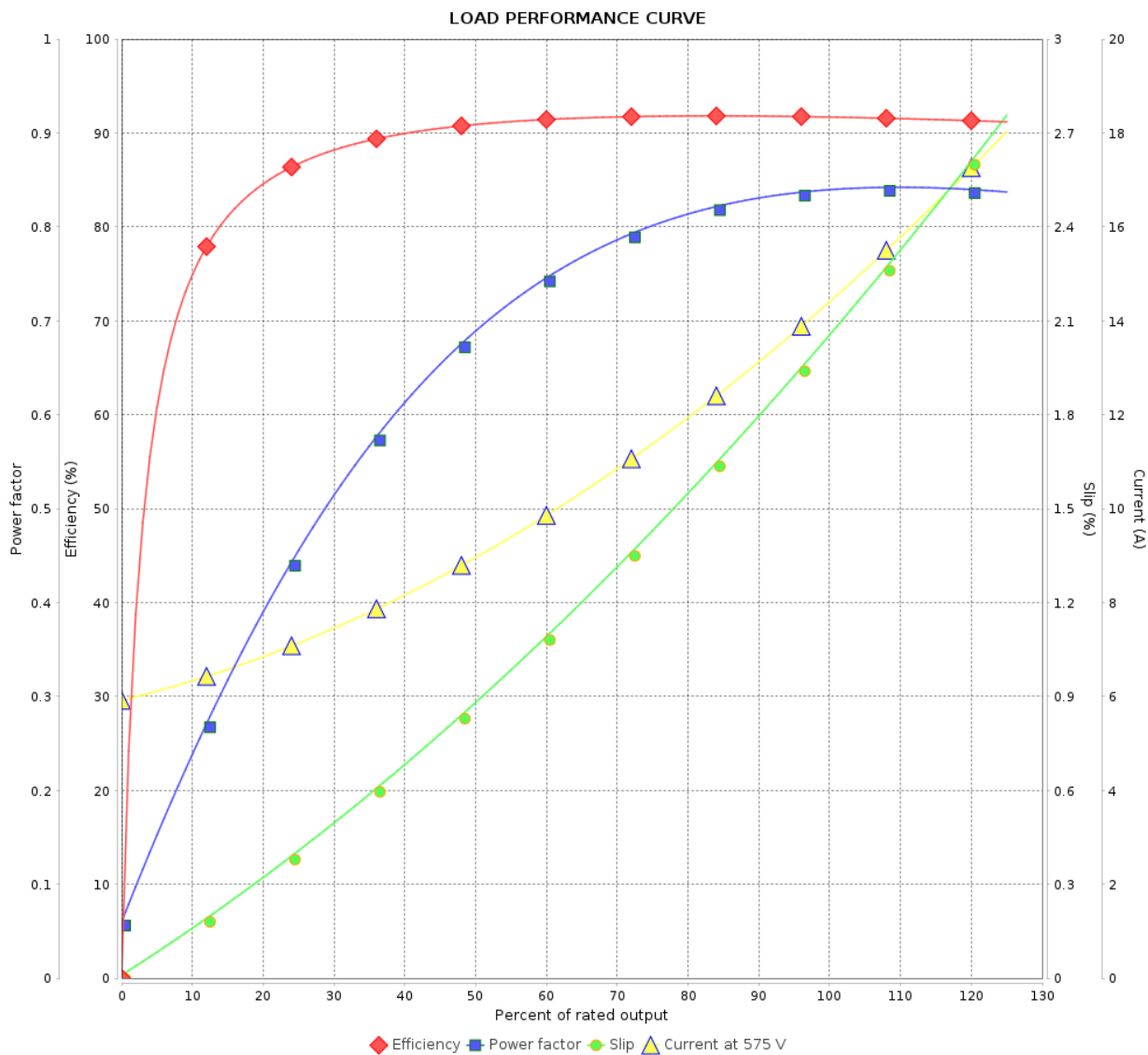
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Product code : 15808380
Efficiency Three-Phase



Performance : 575 V 60 Hz 6P

Rated current	: 14.3 A	Moment of inertia (J)	: 0.3310 kgm ²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 9 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.25
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

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