

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W22 Tru-Metric IE3 Three-Phase Product code : 13890428

Frame	: 225S/M	Locked rotor time	: 19s (cold) 11s (hot)
Output	: 75 HP (55 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 575 V	Altitude	: 1000 m.a.s.l.
Rated current	: 67.0 A	Protection degree	: IP55
L. R. Amperes	: 603 A	Cooling method	: IC411 - TEFC
LRC	: 9.0	Mounting	: B3L(E)
No load current	: 21.6 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3570 rpm	Starting method	: Direct On Line
Slip	: 0.83 %	Approx. weight ³	: 428 kg
Rated torque	: 15.2 kgfm		
Locked rotor torque	: 300 %		
Breakdown torque	: 360 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.3381 kgm ²		
Design	: N		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	0.000	93.0	93.6	93.6	Max. traction : 402 kgf
Power Factor	0.00	0.76	0.84	0.88	Max. compression : 830 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)
6.3	4.3	3.7	3.8	2.0	1.4	0.8

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6314 C3
Sealing	:	WSeal	WSeal
Lubrication interval	:	4000 h	4000 h
Lubricant amount	:	27 g	27 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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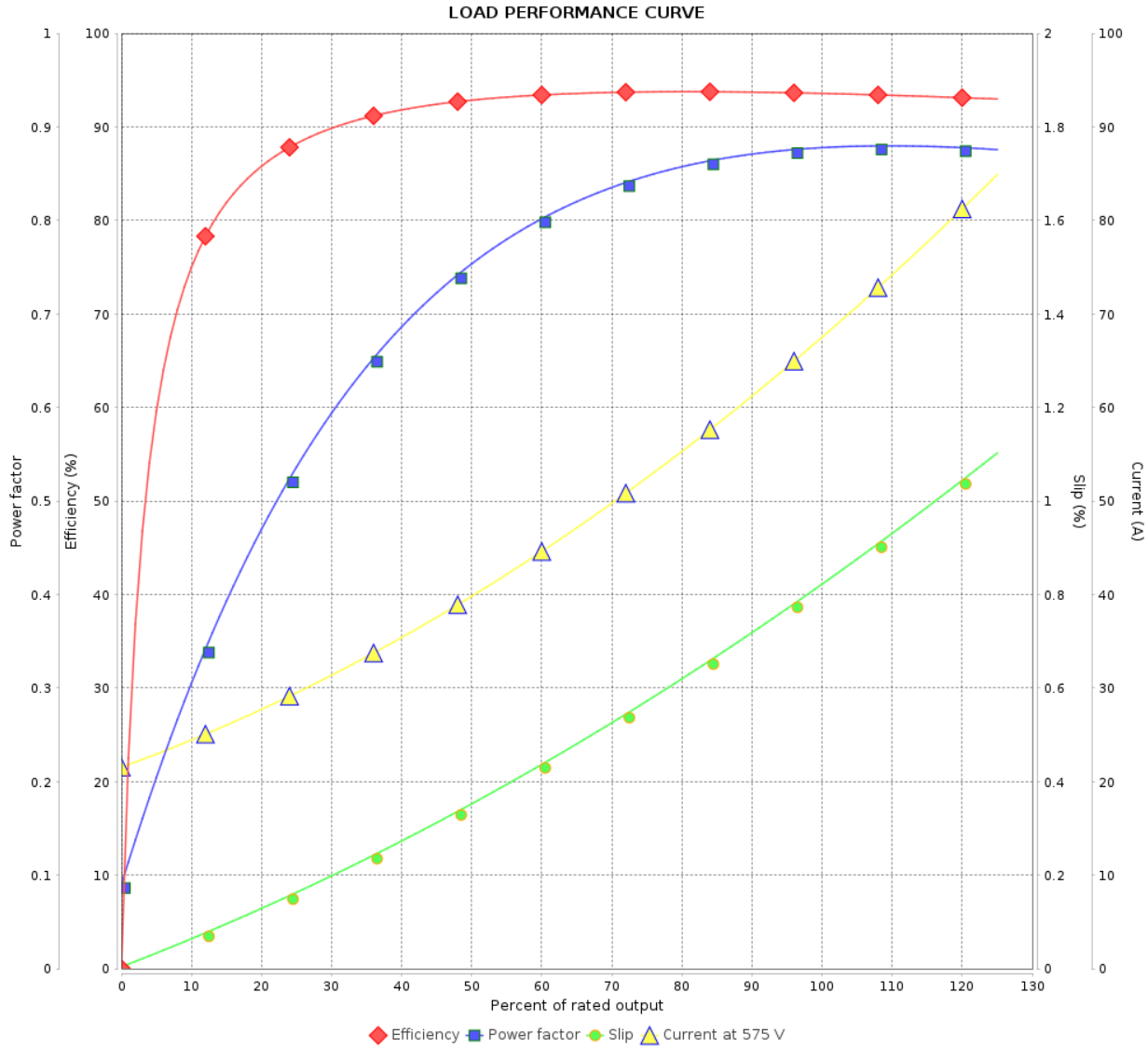
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Product code : 13890428



Performance : 575 V 60 Hz 2P

Rated current : 67.0 A
 LRC : 9.0
 Rated torque : 15.2 kgfm
 Locked rotor torque : 300 %
 Breakdown torque : 360 %
 Rated speed : 3570 rpm

Moment of inertia (J) : 0.3381 kgm²
 Duty cycle : S1
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : N

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