

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase Product code : 12142698

Frame	: 213/5TD	Locked rotor time	: 43s (cold) 24s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	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	: 9.28 A	Protection degree	: IP55
L. R. Amperes	: 66.8 A	Cooling method	: IC411 - TEFC
LRC	: 7.2x(Code H)	Mounting	: F-1
No load current	: 2.72 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3510 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 2.50 %	Starting method	: Direct On Line
Rated torque	: 2.07 kgfm	Approx. weight ³	: 74.0 kg
Locked rotor torque	: 220 %		
Breakdown torque	: 290 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.0268 kgm ²		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	89.5	90.2	90.2	Max. traction	: 74 kgf
Power Factor	0.00	0.79	0.87	0.90	Max. compression	: 148 kgf

		Drive end	Non drive end
Bearing type	:	6308 C3	6207 C3
Sealing	:	Inpro/Seal	Inpro/Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	11 g	7 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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LOAD PERFORMANCE CURVE

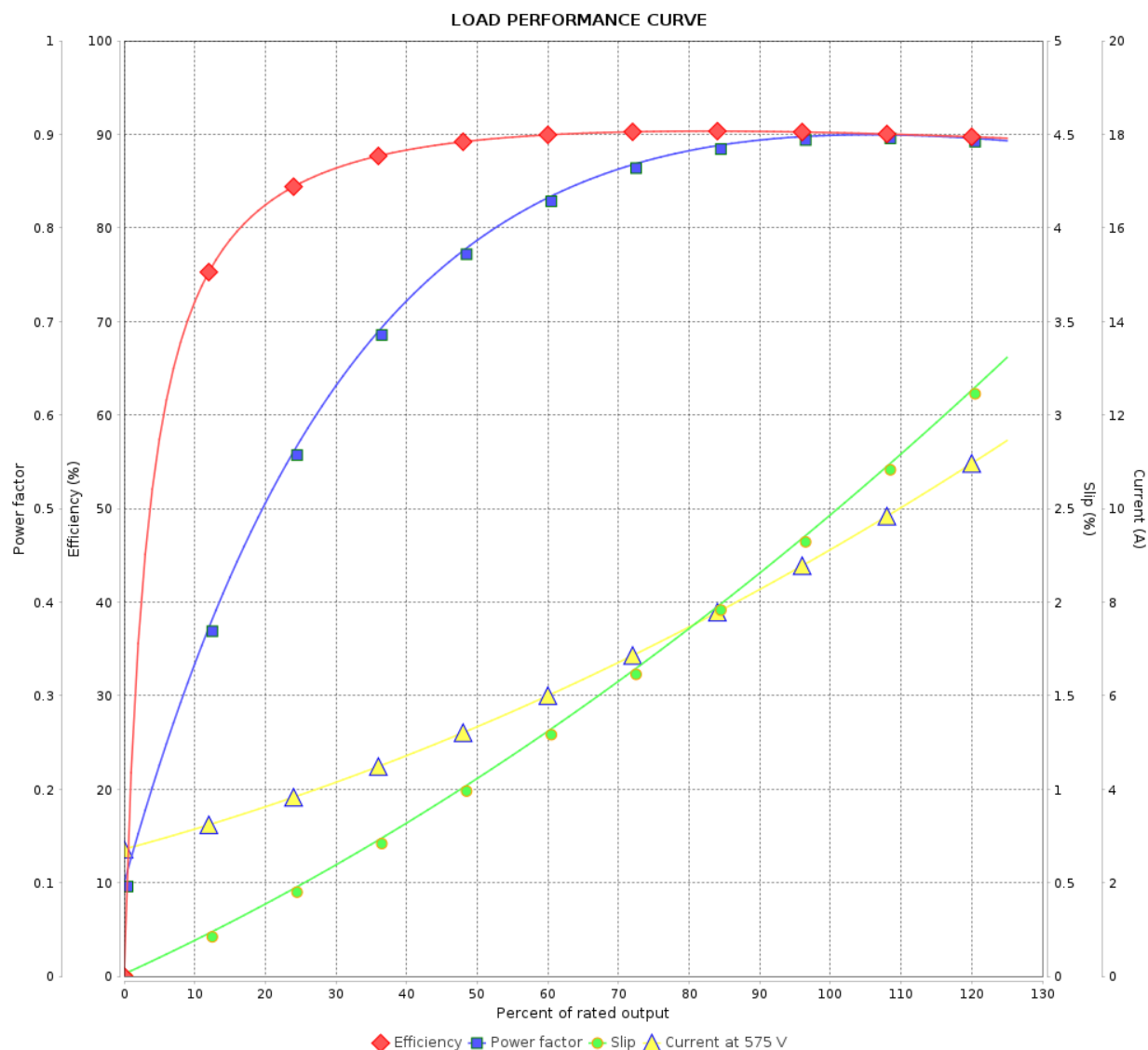
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Product line : W22 IEEE 841 NEMA Premium
Efficiency Three-Phase

Product code : 12142698



Performance : 575 V 60 Hz 2P

Rated current : 9.28 A
LRC : 7.2
Rated torque : 2.07 kgfm
Locked rotor torque : 220 %
Breakdown torque : 290 %
Rated speed : 3510 rpm

Moment of inertia (J) : 0.0268 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : B

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