

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase Product code : 14265952

Frame	: 284/6TC	Locked rotor time	: 45s (cold) 25s (hot)
Output	: 30 HP (22 kW)	Temperature rise	: 80 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 208-230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 78.7-71.2/35.6 A	Protection degree	: IP55
L. R. Amperes	: 630-570/285 A	Cooling method	: IC411 - TEFC
LRC	: 8.0x(Code J)	Mounting	: F-1
No load current	: 29.3-34.0/17.0 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1775 rpm	Noise level ²	: 64.0 dB(A)
Slip	: 1.39 %	Starting method	: VFD
Rated torque	: 12.3 kgfm	Approx. weight ³	: 204 kg
Locked rotor torque	: 320 %		
Breakdown torque	: 350 %		
Insulation class	: F		
Service factor	: 1.25		
Moment of inertia (J)	: 0.2388 kgm ²		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	93.0	94.1	94.5	Max. traction	: 512 kgf
Power Factor	0.00	0.64	0.76	0.82	Max. compression	: 716 kgf

		Drive end	Non drive end
Bearing type	:	6311 C3	6211 C3
Sealing	:	V'Ring	V'Ring
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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LOAD PERFORMANCE CURVE

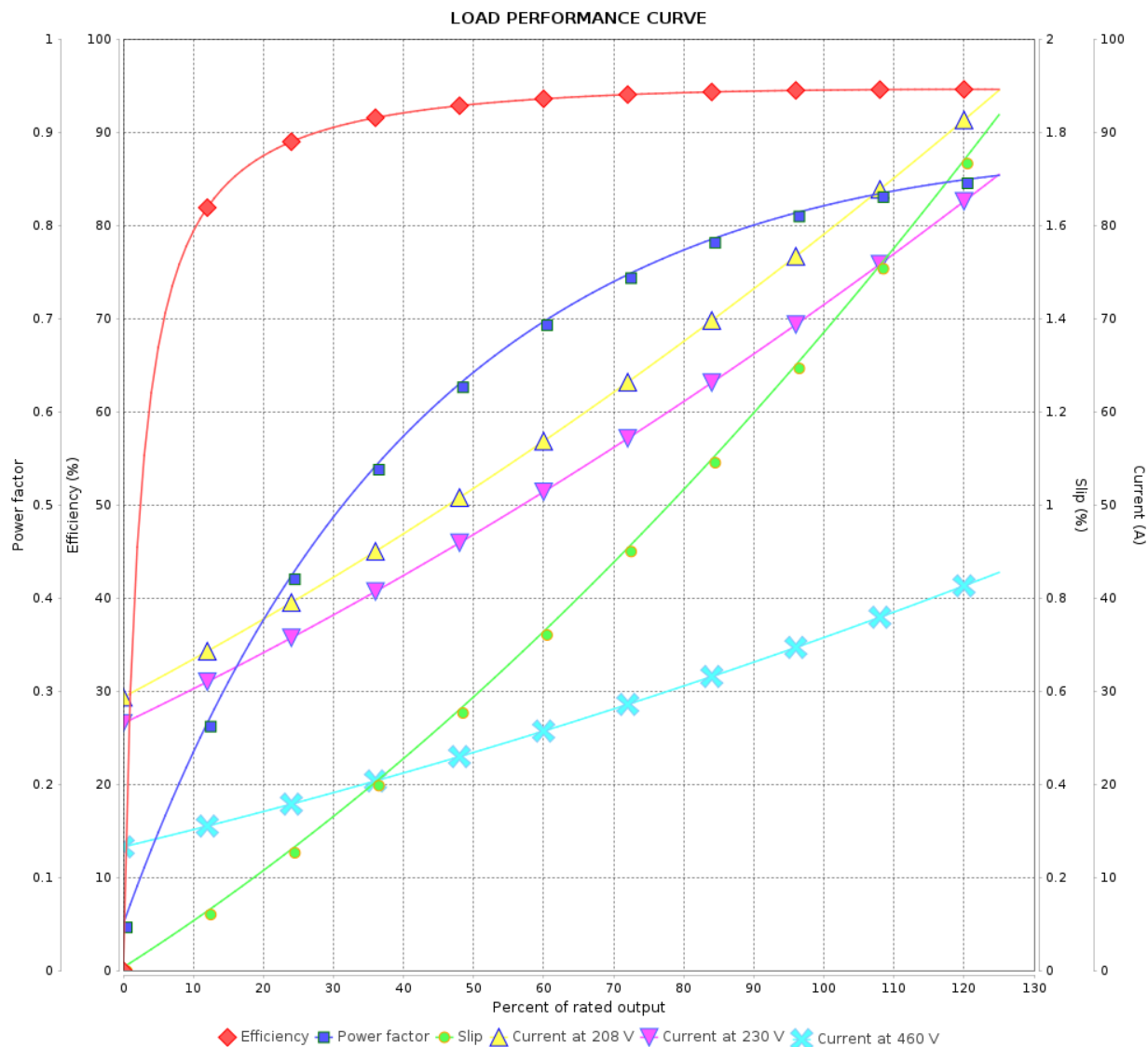
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency
Three-Phase

Product code : 14265952



Performance : 208-230/460 V 60 Hz 4P

Rated current : 78.7-71.2/35.6 A
LRC : 8.0
Rated torque : 12.3 kgfm
Locked rotor torque : 320 %
Breakdown torque : 350 %
Rated speed : 1775 rpm

Moment of inertia (J) : 0.2388 kgm²
Duty cycle : Cont.(S1)
Insulation class : F
Service factor : 1.25
Temperature rise : 80 K
Design : A

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