

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 IEEE 841 NEMA Premium Efficiency Three-Phase		Product code :		14259999
Frame	:	444/5T		Locked rotor time	:	34s (cold) 19s (hot)
Output	:	125 HP		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	:	114 A		Protection degree	:	IP55
L. R. Amperes	:	721 A		Cooling method	:	IC411 - TEFC
LRC	:	6.3x(Code G)		Mounting	:	F-1
No load current	:	40.0 A		Rotation ¹	:	Both (CW and CCW)
Rated speed	:	1185 rpm		Noise level ²	:	69.0 dB(A)
Slip	:	1.25 %		Starting method	:	Direct On Line
Rated torque	:	76.4 kgfm		Approx. weight ³	:	835 kg
Locked rotor torque	:	210 %				
Breakdown torque	:	229 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	4.37 kgm ²				
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	95.0	95.4	95.0	Max. traction : 1122 kgf		
Power Factor	0.70	0.79	0.83	Max. compression : 1958 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)
5.7	4.4	3.9	3.2	2.1	1.6	1.0
Bearing type			<u>Drive end</u>	<u>Non drive end</u>		
Sealing			NU-319 C3	6316 C3		
Lubrication interval			Inpro/Seal	Inpro/Seal		
Lubricant amount			9000 h	16000 h		
Lubricant type			45 g	34 g		
			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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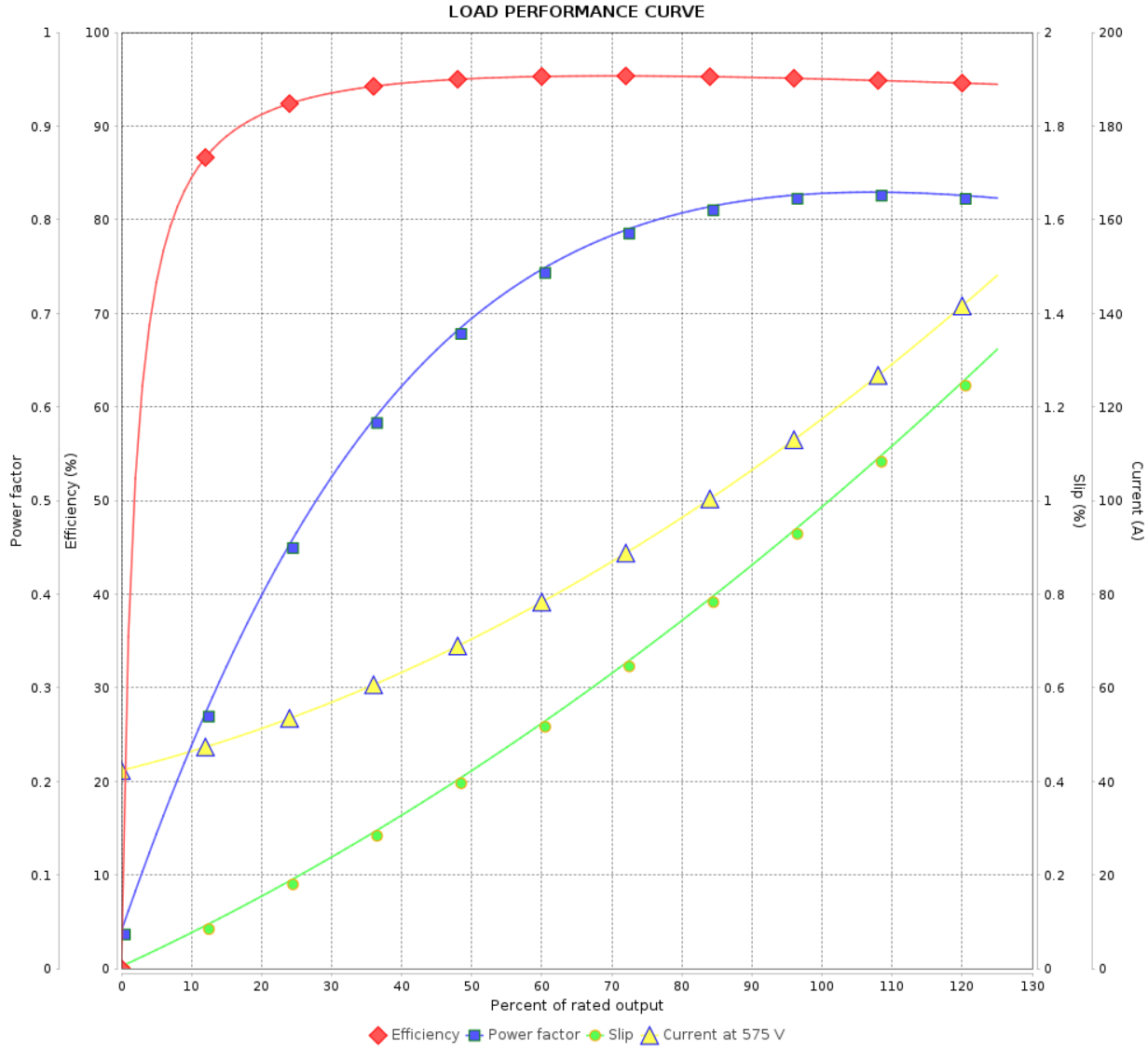
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase Product code : 14259999



Performance : 575 V 60 Hz 6P

Rated current	: 114 A	Moment of inertia (J)	: 4.37 kgm ²
LRC	: 6.3	Duty cycle	: Cont.(S1)
Rated torque	: 76.4 kgfm	Insulation class	: F
Locked rotor torque	: 210 %	Service factor	: 1.15
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 1185 rpm	Design	: B

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