

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code :		11165226	
Frame	:	445/7T	Locked rotor time	:	27s (cold) 15s (hot)	
Output	:	250 HP (185 kW)	Temperature rise	:	80 K	
Poles	:	4	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	:	225 A	Protection degree	:	IP55	
L. R. Amperes	:	1461 A	Cooling method	:	IC411 - TEFC	
LRC	:	6.5x(Code G)	Mounting	:	F-1	
No load current	:	72.0 A	Rotation ¹	:	Both (CW and CCW)	
Rated speed	:	1780 rpm	Noise level ²	:	73.0 dB(A)	
Slip	:	1.11 %	Starting method	:	Direct On Line	
Rated torque	:	102 kgfm	Approx. weight ³	:	1165 kg	
Locked rotor torque	:	229 %				
Breakdown torque	:	240 %				
Insulation class	:	F				
Service factor	:	1.15				
Moment of inertia (J)	:	3.77 kgm ²				
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	95.8	96.2	96.2	Max. traction	:	1557 kgf
Power Factor	0.75	0.83	0.86	Max. compression	:	2722 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)
4.2	3.5	3.1	2.1	1.5	1.0	0.6
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	NU-319 C3		6316 C3		
Sealing	:	WSeal		WSeal		
Lubrication interval	:	5000 h		10000 h		
Lubricant amount	:	45 g		34 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.		
Rev.	Changes Summary			Performed	Checked	Date
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LOAD PERFORMANCE CURVE

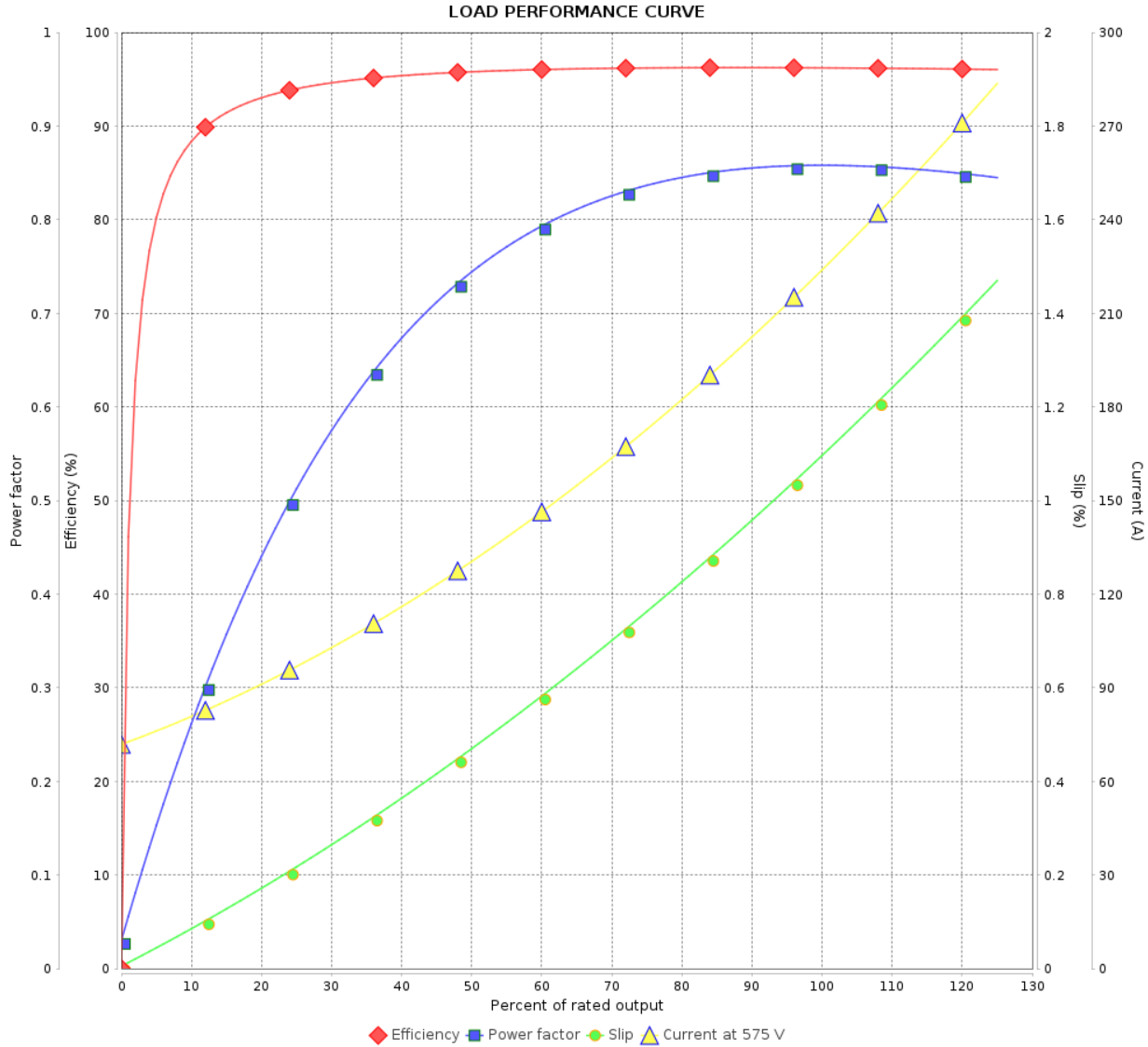
Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11165226



Performance : 575 V 60 Hz 4P

Rated current	: 225 A	Moment of inertia (J)	: 3.77 kgm ²
LRC	: 6.5	Duty cycle	: Cont.(S1)
Rated torque	: 102 kgfm	Insulation class	: F
Locked rotor torque	: 229 %	Service factor	: 1.15
Breakdown torque	: 240 %	Temperature rise	: 80 K
Rated speed	: 1780 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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