

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 15200457						
Frame	:	324/6T	Locked rotor time	:	46s (cold) 26s (hot)	
Output	:	25 HP (18.5 kW)	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	:	24.6 A	Protection degree	:	IP55	
L. R. Amperes	:	153 A	Cooling method	:	IC411 - TEFC	
LRC	:	6.2x(Code G)	Mounting	:	F-1	
No load current	:	11.2 A	Rotation ¹	:	Both (CW and CCW)	
Rated speed	:	1180 rpm	Noise level ²	:	62.0 dB(A)	
Slip	:	1.67 %	Starting method	:	Direct On Line	
Rated torque	:	15.4 kgfm	Approx. weight ³	:	294 kg	
Locked rotor torque	:	210 %				
Breakdown torque	:	260 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	0.4843 kgm ²				
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	92.4	93.0	93.0	Max. traction	:	356 kgf
Power Factor	0.65	0.77	0.81	Max. compression	:	650 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)
7.3	6.0	5.8	3.8	2.6	1.8	1.2
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6312 C3		6212 C3		
Sealing	:	V'Ring		Lip Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	21 g		13 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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Brake information

Voltage: 525-575 V
Brake Torque: 40.8 kgfm

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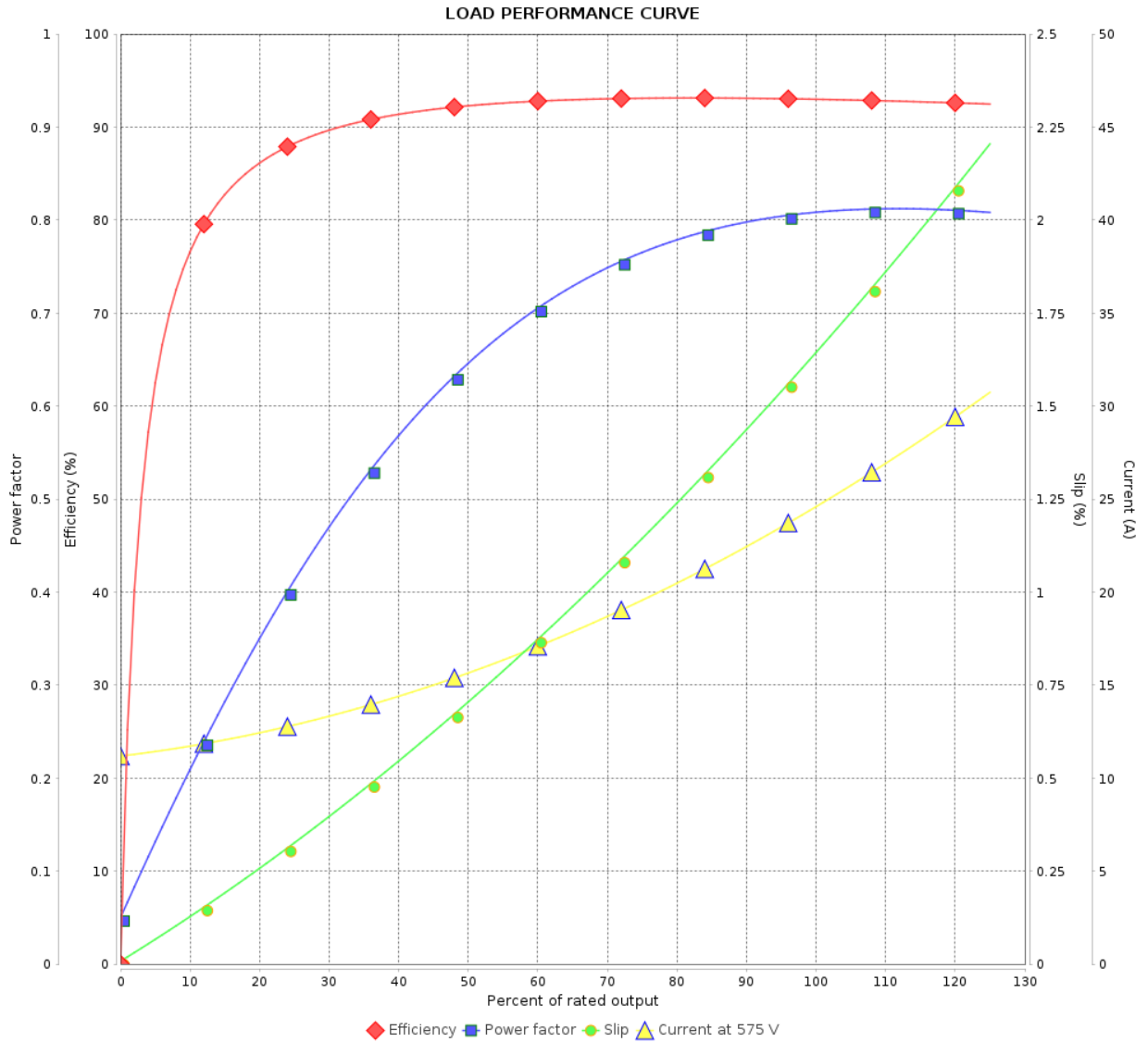
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer : _____

Product line : W22 Brake Motor NEMA Premium Efficiency Product code : 15200457
 Three-Phase



Performance : 575 V 60 Hz 6P

Rated current : 24.6 A
 LRC : 6.2
 Rated torque : 15.4 kgfm
 Locked rotor torque : 210 %
 Breakdown torque : 260 %
 Rated speed : 1180 rpm

Moment of inertia (J) : 0.4843 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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