

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 15314738						
Frame	:	143/5T	Locked rotor time	:	50s (cold) 28s (hot)	
Output	:	1 HP (0.75 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	:	1.38 A	Protection degree	:	IP55	
L. R. Amperes	:	8.58 A	Cooling method	:	IC411 - TEFC	
LRC	:	6.2x(Code K)	Mounting	:	F-1	
No load current	:	0.880 A	Rotation ¹	:	Both (CW and CCW)	
Rated speed	:	1160 rpm	Noise level ²	:	50.0 dB(A)	
Slip	:	3.33 %	Starting method	:	Direct On Line	
Rated torque	:	0.626 kgfm	Approx. weight ³	:	28.9 kg	
Locked rotor torque	:	260 %				
Breakdown torque	:	300 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	0.0067 kgm ²				
Design	:	B				
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	77.0	82.0	82.5	Max. traction	:	39 kgf
Power Factor	0.45	0.57	0.66	Max. compression	:	68 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)
20.0	16.7	16.9	12.6	9.2	7.6	5.8
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6205 ZZ		6204 ZZ		
Sealing	:	V'Ring		Lip Seal		
Lubrication interval	:	-		-		
Lubricant amount	:	-		-		
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: 1.63 kgfm

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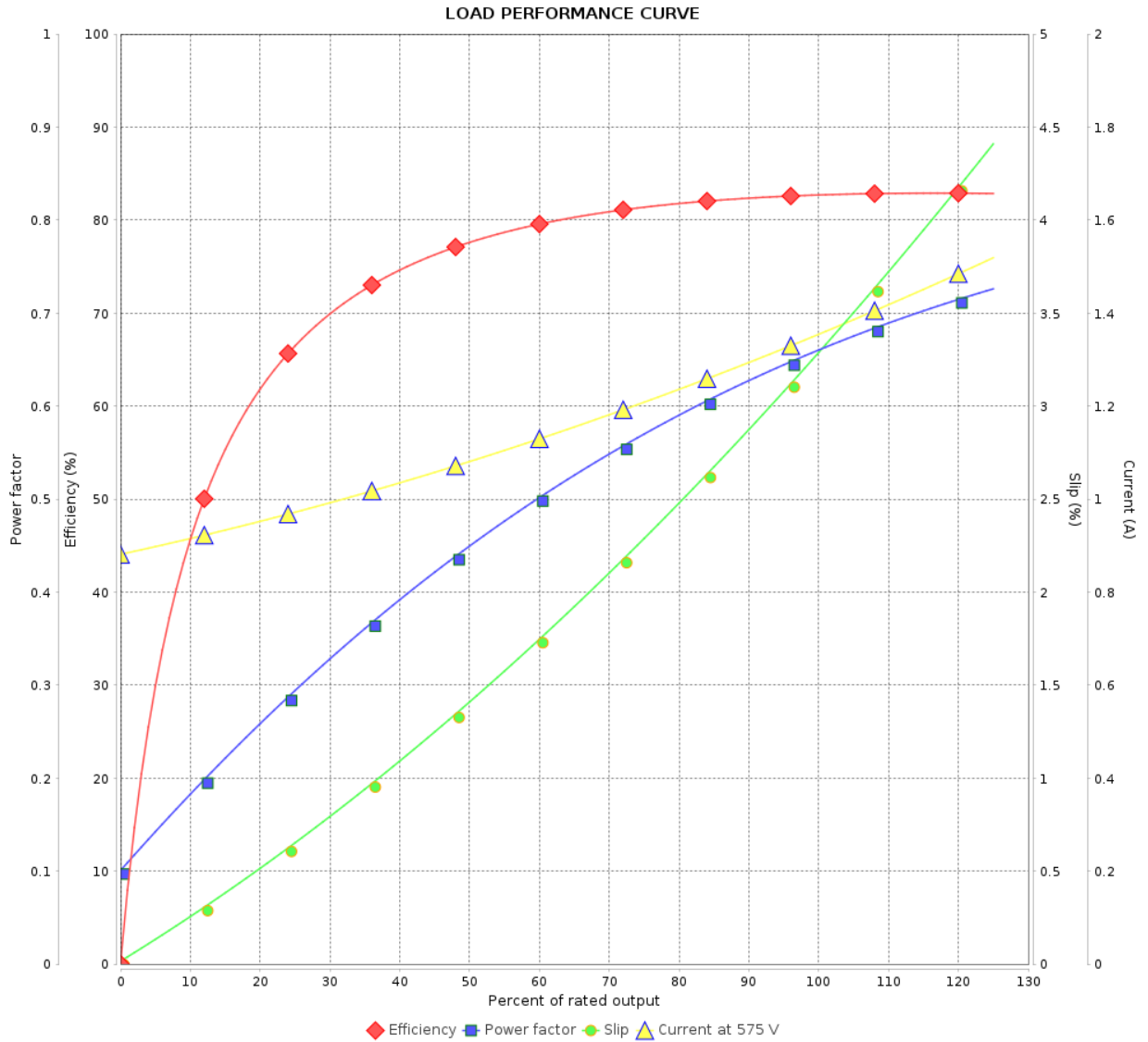
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 15314738



Performance : 575 V 60 Hz 6P

Rated current	: 1.38 A	Moment of inertia (J)	: 0.0067 kgm ²
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 0.626 kgfm	Insulation class	: F
Locked rotor torque	: 260 %	Service factor	: 1.25
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1160 rpm	Design	: B

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