

DATA SHEET



Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line		: W22 Brake Motor NEMA Premium Efficiency Three-Phase		Product code :		13924889
Frame	:	254/6T		Locked rotor time	:	55s (cold) 31s (hot)
Output	:	15 HP (11 kW)		Temperature rise	:	80 K
Poles	:	4		Duty cycle	:	Cont.(S1)
Frequency	:	60 Hz		Ambient temperature	:	-20°C to +40°C
Rated voltage	:	230/460 V		Altitude	:	1000 m.a.s.l.
Rated current	:	36.0/18.0 A		Protection degree	:	IP55
L. R. Amperes	:	230/115 A		Cooling method	:	IC411 - TEFC
LRC	:	6.4x(Code G)		Mounting	:	F-1
No load current	:	14.0/7.00 A		Rotation ¹	:	Both (CW and CCW)
Rated speed	:	1768 rpm		Noise level ²	:	64.0 dB(A)
Slip	:	1.78 %		Starting method	:	Direct On Line
Rated torque	:	6.16 kgfm		Approx. weight ³	:	154 kg
Locked rotor torque	:	240 %				
Breakdown torque	:	260 %				
Insulation class	:	F				
Service factor	:	1.25				
Moment of inertia (J)	:	0.1104 kgm ²				
Design	:	B				
Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	91.0	91.7	92.4	Max. traction	: 175 kgf
Power Factor	0.00	0.68	0.78	0.83	Max. compression	: 328 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)
8.1	6.8	6.3	3.9	2.7	1.8	1.2
		<u>Drive end</u>		<u>Non drive end</u>		
Bearing type	:	6309 C3		6209 C3		
Sealing	:	V'Ring		Lip Seal		
Lubrication interval	:	20000 h		20000 h		
Lubricant amount	:	13 g		9 g		
Lubricant type	:	Mobil Polyrex EM				
Notes						
USABLE @208V 39.8A SF 1.15 SFA 45.8A						
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: 440-480 V
Brake Torque: 15.3 kgfm

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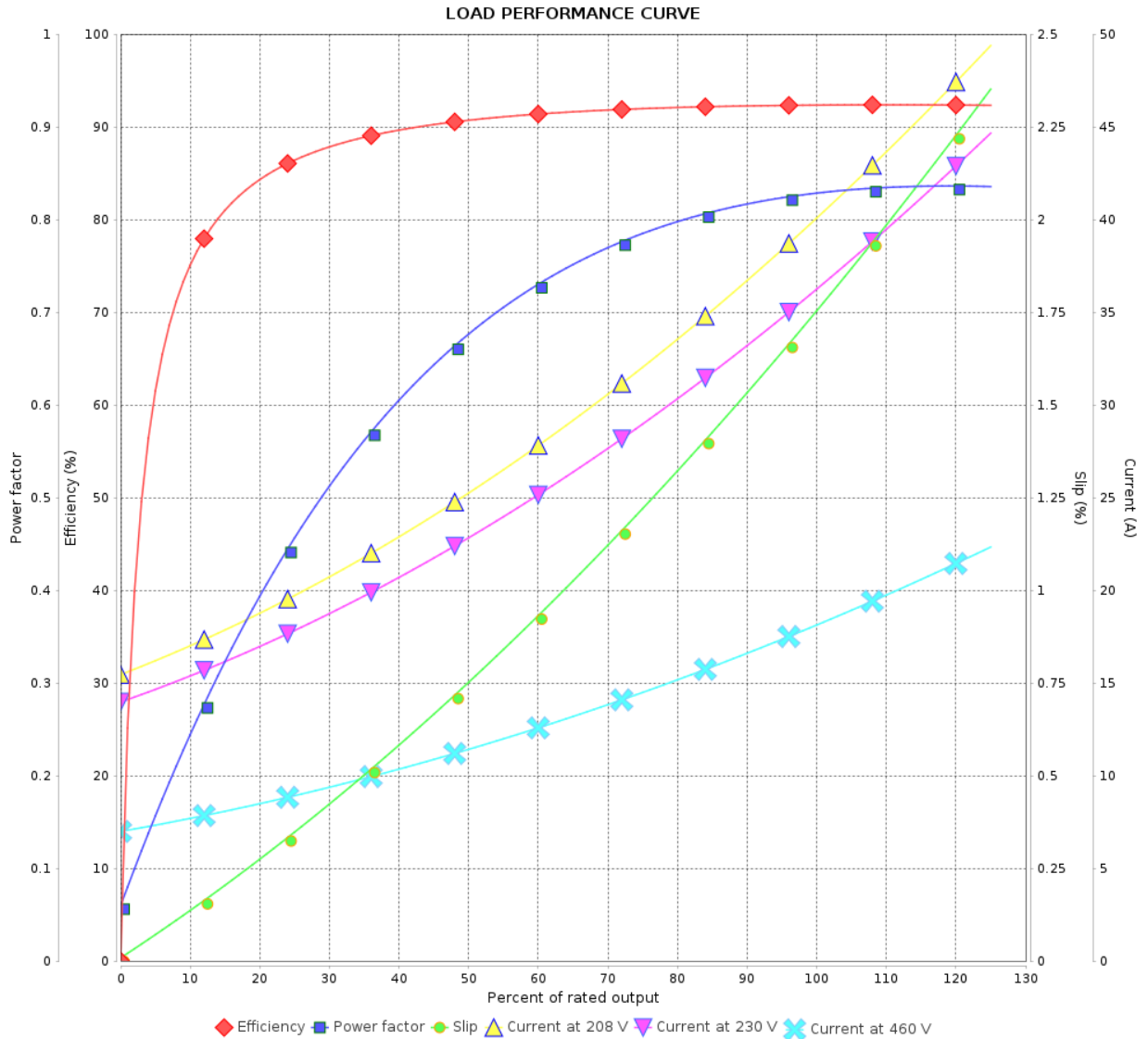
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 13924889



Performance : 230/460 V 60 Hz 4P

Rated current : 36.0/18.0 A
 LRC : 6.4
 Rated torque : 6.16 kgfm
 Locked rotor torque : 240 %
 Breakdown torque : 260 %
 Rated speed : 1768 rpm

Moment of inertia (J) : 0.1104 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.25
 Temperature rise : 80 K
 Design : B

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