

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase Product code : 13961647							
Frame	: 213/5TC			Locked rotor time	: 30s (cold) 17s (hot)		
Output	: 10 HP (7.5 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	: 9.92 A			Protection degree	: IP55		
L. R. Amperes	: 63.5 A			Cooling method	: IC411 - TEFC		
LRC	: 6.4x(Code H)			Mounting	: F-1		
No load current	: 4.52 A			Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 1765 rpm			Noise level <sup>2</sup>	: 58.0 dB(A)		
Slip	: 1.94 %			Starting method	: Direct On Line		
Rated torque	: 4.11 kgfm			Approx. weight <sup>3</sup>	: 94.4 kg		
Locked rotor torque	: 200 %						
Breakdown torque	: 295 %						
Insulation class	: F						
Service factor	: 1.25						
Moment of inertia (J)	: 0.0636 kgm <sup>2</sup>						
Design	: B						
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	91.0	91.7	91.7	Max. traction	: 177 kgf		
Power Factor	0.66	0.77	0.83	Max. compression	: 271 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)	
9.9	8.3	7.6	5.0	3.4	2.3	1.6	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6308 ZZ		6207 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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Customer : \_\_\_\_\_

### Brake information

Voltage: 525-575 V  
Brake Torque: 8.15 kgfm

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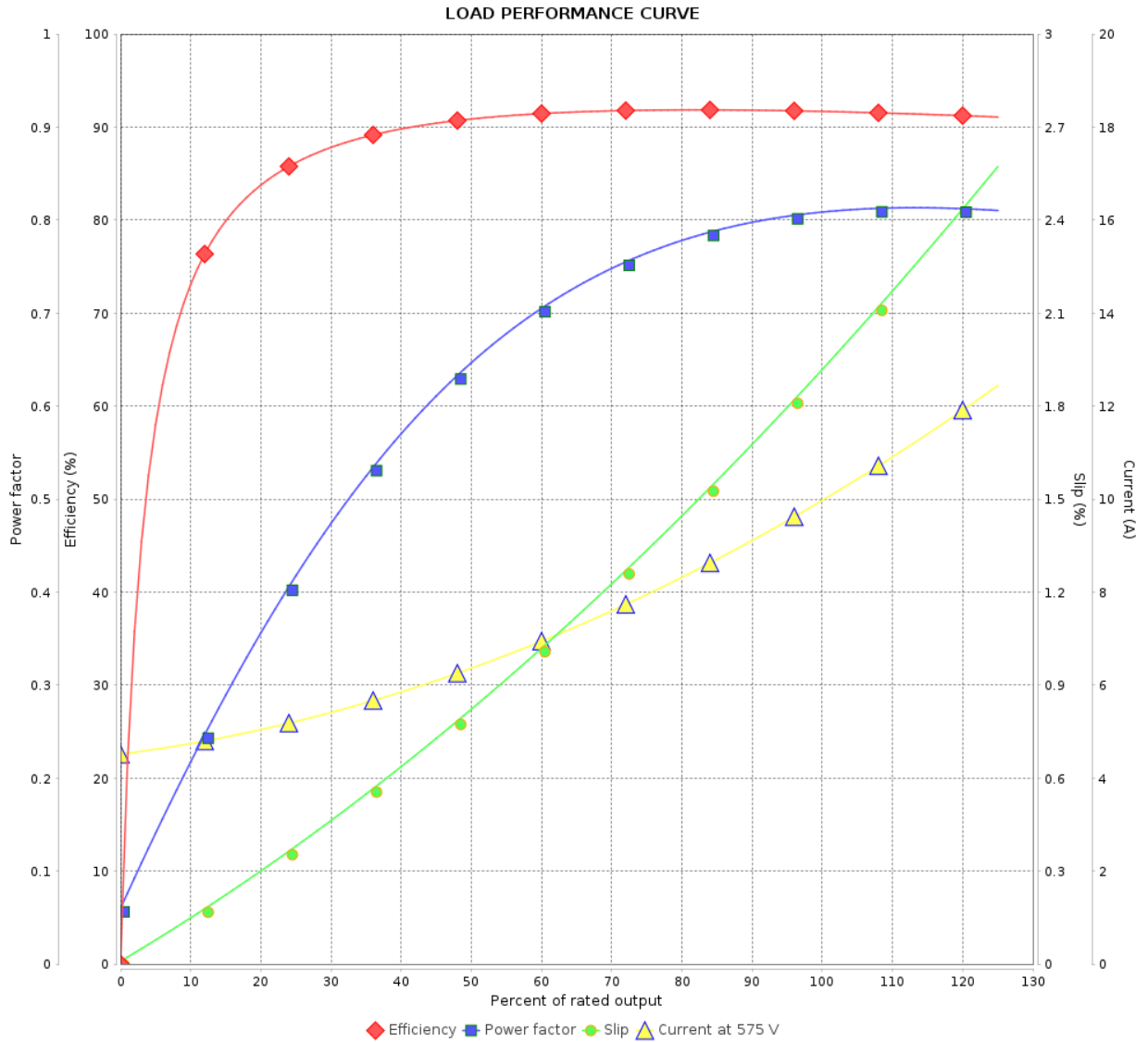
# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage



Customer : \_\_\_\_\_

Product line : W22 Brake Motor NEMA Premium Efficiency Three-Phase    Product code : 13961647



Performance : 575 V 60 Hz 4P

Rated current	: 9.92 A	Moment of inertia (J)	: 0.0636 kgm <sup>2</sup>
LRC	: 6.4	Duty cycle	: Cont.(S1)
Rated torque	: 4.11 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 295 %	Temperature rise	: 80 K
Rated speed	: 1765 rpm	Design	: B

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