

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line : W22 NEMA Premium Efficiency Three-Phase			Product code : 11165767			
Frame	: 586/7T		Locked rotor time	: 45s (cold) 25s (hot)		
Output	: 500 HP (370 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	: 482 A		Protection degree	: IP55		
L. R. Amperes	: 2894 A		Cooling method	: IC411 - TEFC		
LRC	: 6.0x(Code G)		Mounting	: F-1		
No load current	: 192 A		Rotation <sup>1</sup>	: Both (CW and CCW)		
Rated speed	: 1192 rpm		Noise level <sup>2</sup>	: 77.0 dB(A)		
Slip	: 0.67 %		Starting method	: Direct On Line		
Rated torque	: 304 kgfm		Approx. weight <sup>3</sup>	: 2130 kg		
Locked rotor torque	: 200 %					
Breakdown torque	: 210 %					
Insulation class	: F					
Service factor	: 1.15					
Moment of inertia (J)	: 15.5 kgm <sup>2</sup>					
Output	50%	75%	100%	Foundation loads		
Efficiency (%)	95.8	96.2	96.2	Max. traction	: 3312 kgf	
Power Factor	0.66	0.76	0.80	Max. compression	: 5442 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)
4.6	3.5	2.8	2.8	1.9	1.5	0.8
Bearing type		: <u>Drive end</u> NU-322 C3		: <u>Non drive end</u> 6319 C3		
Sealing		: Taconite Labyrinth		: Taconite Labyrinth		
Lubrication interval		: 7000 h		: 13000 h		
Lubricant amount		: 60 g		: 45 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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Customer : \_\_\_\_\_

### Space heater information

Voltage: 200 - 240 V

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# LOAD PERFORMANCE CURVE

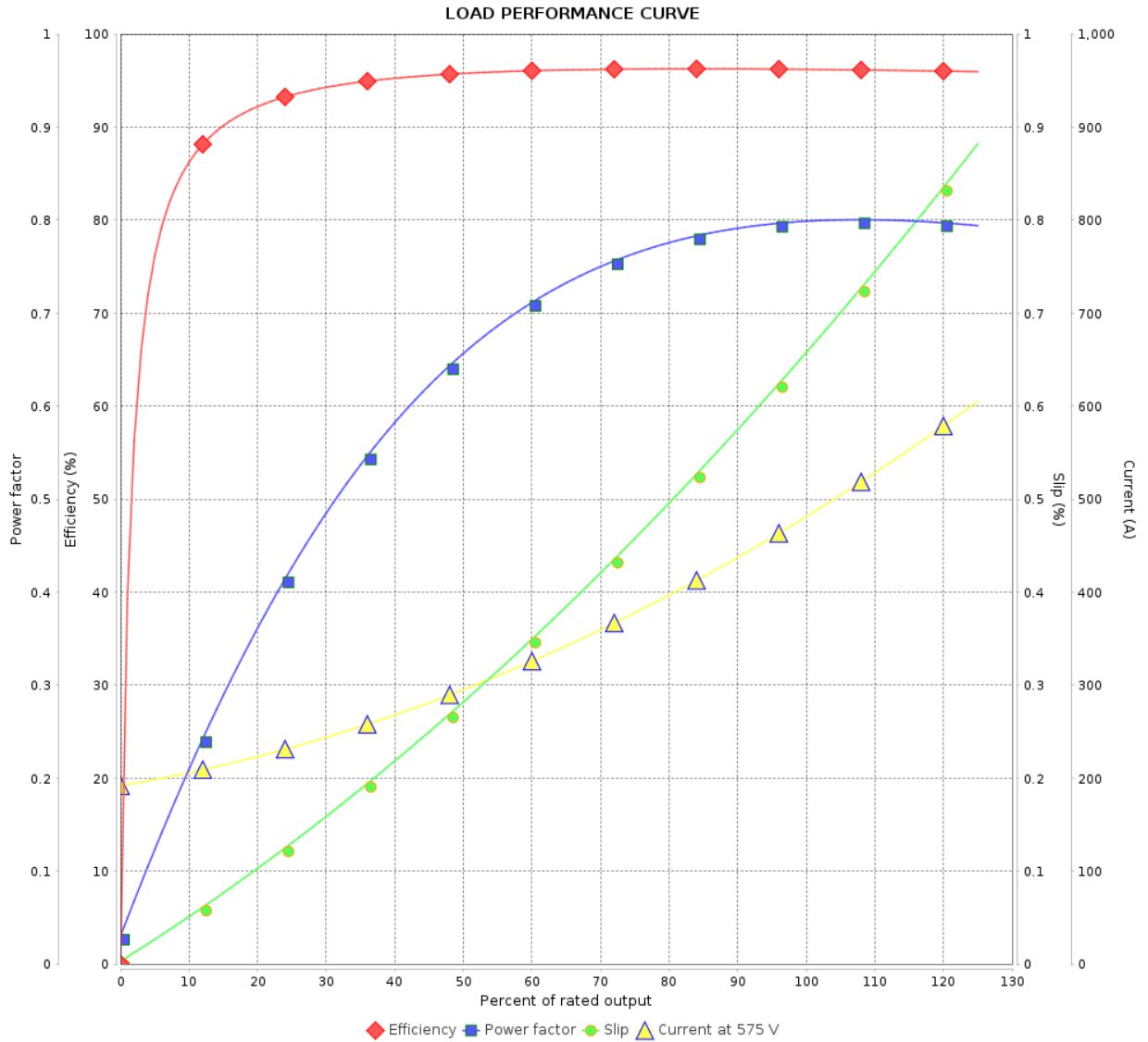
## Three Phase Induction Motor - Squirrel Cage



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

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 11165767



Performance : 575 V 60 Hz 6P

Rated current : 482 A  
 LRC : 6.0  
 Rated torque : 304 kgfm  
 Locked rotor torque : 200 %  
 Breakdown torque : 210 %  
 Rated speed : 1192 rpm

Moment of inertia (J) : 15.5 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K

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