

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase	Product code :	11941855			
Frame	: 324/6T	Locked rotor time	: 41s (cold) 23s (hot)			
Output	: 25 HP (18.5 kW)	Temperature rise	: 80 K			
Poles	: 8	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	: 28.7 A	Protection degree	: IP55			
L. R. Amperes	: 149 A	Cooling method	: IC411 - TEFC			
LRC	: 5.2x(Code G)	Mounting	: F-1			
No load current	: 16.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)			
Rated speed	: 880 rpm	Noise level <sup>2</sup>	: 56.0 dB(A)			
Slip	: 2.22 %	Starting method	: Direct On Line			
Rated torque	: 20.6 kgfm	Approx. weight <sup>3</sup>	: 0.0 kg			
Locked rotor torque	: 200 %					
Breakdown torque	: 229 %					
Insulation class	: F					
Service factor	: 1.25					
Moment of inertia (J)	: 0.5023 kgm <sup>2</sup>					
Design	: B					
Output	50%	75%	100%			
Efficiency (%)	89.5	91.0	91.0			
Power Factor	0.51	0.64	0.71			
Foundation loads						
Max. traction		: 597 kgf				
Max. compression		: 597 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)
9.5	7.4	6.5	5.8	3.9	3.1	2.2
Bearing type		<u>Drive end</u>	<u>Non drive end</u>			
:		6312 C3	6212 C3			
Sealing		Taconite Labyrinth		Taconite Labyrinth		
:		20000 h		20000 h		
Lubrication interval		21 g		13 g		
:		Mobil Polyrex EM				
Lubricant amount						
:						
Lubricant type						
:						
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.		
Rev.	Changes Summary			Performed	Checked	Date
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# LOAD PERFORMANCE CURVE

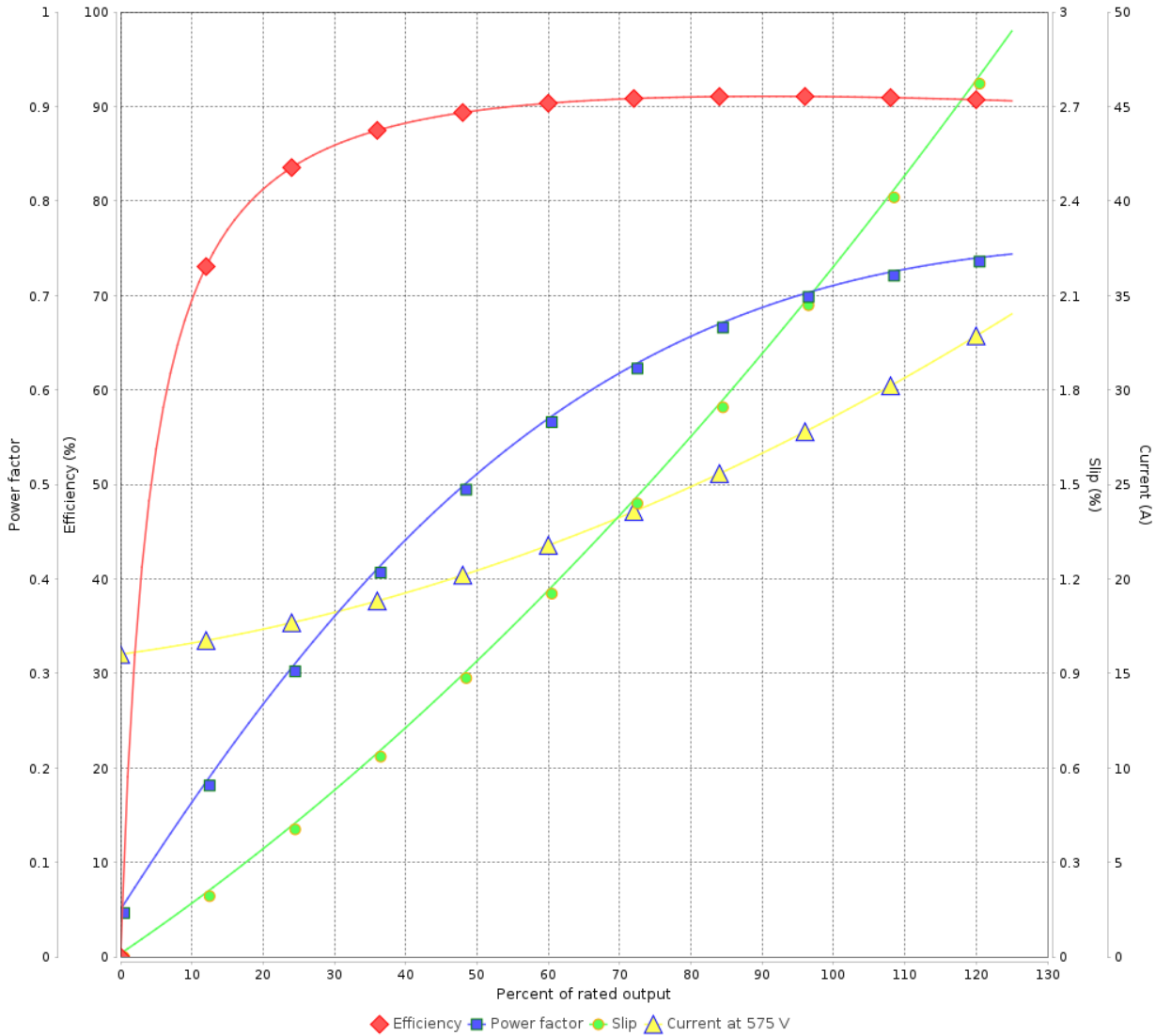
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase      Product code : 11941855

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 8P

Rated current	: 28.7 A	Moment of inertia (J)	: 0.5023 kgm <sup>2</sup>
LRC	: 5.2	Duty cycle	: Cont.(S1)
Rated torque	: 20.6 kgfm	Insulation class	: F
Locked rotor torque	: 200 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 880 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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