

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :						
Product line	: W22 IEEE 841 NEMA Premium Efficiency Three-Phase					
Product code :	11943006					
Frame : 364/5T Output : 30 HP (22 kW) Poles : 8 Frequency : 60 Hz Rated voltage : 575 V Rated current : 30.5 A L. R. Amperes : 189 A LRC : 6.2x(Code G) No load current : 12.8 A Rated speed : 882 rpm Slip : 2.00 % Rated torque : 24.7 kgfm Locked rotor torque : 160 % Breakdown torque : 229 % Insulation class : F Service factor : 1.25 Moment of inertia (J) : 0.9884 kgm <sup>2</sup> Design : B	Locked rotor time : 45s (cold) 25s (hot) Temperature rise : 80 K Duty cycle : Cont.(S1) Ambient temperature : -20°C to +40°C Altitude : 1000 m.a.s.l. Protection degree : IP55 Cooling method : IC411 - TEFC Mounting : F-1 Rotation <sup>1</sup> : Both (CW and CCW) Noise level <sup>2</sup> : 60.0 dB(A) Starting method : Direct On Line Approx. weight <sup>3</sup> : 0.0 kg					
Output	50%      75%      100%					
Efficiency (%)	91.5      91.7      91.7					
Power Factor	0.62      0.73      0.79					
Foundation loads						
Max. traction : 637 kgf						
Max. compression : 637 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)
8.9	7.7	7.2	3.9	2.8	1.7	1.3
Bearing type	: Drive end 6314 C3	Non drive end 6314 C3				
Sealing	: Taconite Labyrinth	Taconite Labyrinth				
Lubrication interval	: 20000 h	20000 h				
Lubricant amount	: 27 g	27 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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# LOAD PERFORMANCE CURVE

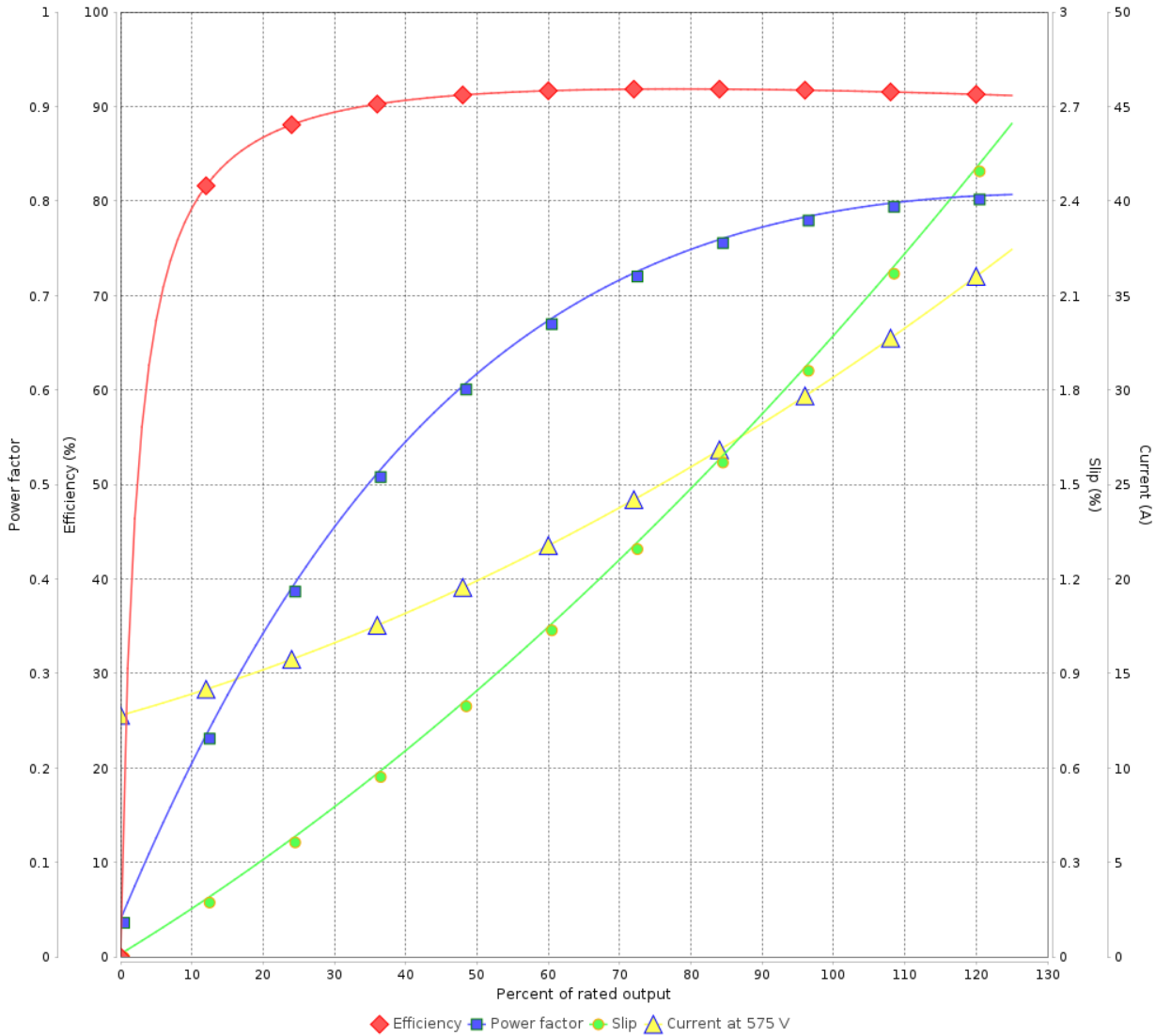
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase      Product code : 11943006

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 8P

Rated current	: 30.5 A	Moment of inertia (J)	: 0.9884 kgm <sup>2</sup>
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 24.7 kgfm	Insulation class	: F
Locked rotor torque	: 160 %	Service factor	: 1.25
Breakdown torque	: 229 %	Temperature rise	: 80 K
Rated speed	: 882 rpm	Design	: B

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