

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: W22 IEEE 841 NEMA Premium Efficiency Three-Phase			Product code :		11941321
Frame	:	254/6T			Locked rotor time	:	46s (cold) 26s (hot)
Output	:	10 HP (7.5 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	:	10.3 A			Protection degree	:	IP55
L. R. Amperes	:	64.0 A			Cooling method	:	IC411 - TEFC
LRC	:	6.2x(Code H)			Mounting	:	F-1
No load current	:	4.80 A			Rotation <sup>1</sup>	:	Both (CW and CCW)
Rated speed	:	1175 rpm			Noise level <sup>2</sup>	:	59.0 dB(A)
Slip	:	2.08 %			Starting method	:	Direct On Line
Rated torque	:	6.18 kgfm			Approx. weight <sup>3</sup>	:	131 kg
Locked rotor torque	:	220 %					
Breakdown torque	:	270 %					
Insulation class	:	F					
Service factor	:	1.25					
Moment of inertia (J)	:	0.1867 kgm <sup>2</sup>					
Design	:	B					
Output	50%	75%	100%	Foundation loads			
Efficiency (%)	90.2	91.0	91.0	Max. traction			: 197 kgf
Power Factor	0.63	0.74	0.80	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)	
10.9	9.4	8.9	5.6	4.0	2.9	2.0	
Bearing type			<u>Drive end</u>		<u>Non drive end</u>		
:			6309 C3		6209 C3		
Sealing			Taconite Labyrinth		Taconite Labyrinth		
Lubrication interval			20000 h		20000 h		
Lubricant amount			13 g		9 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.			
Rev.	Changes Summary			Performed	Checked	Date	
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# LOAD PERFORMANCE CURVE

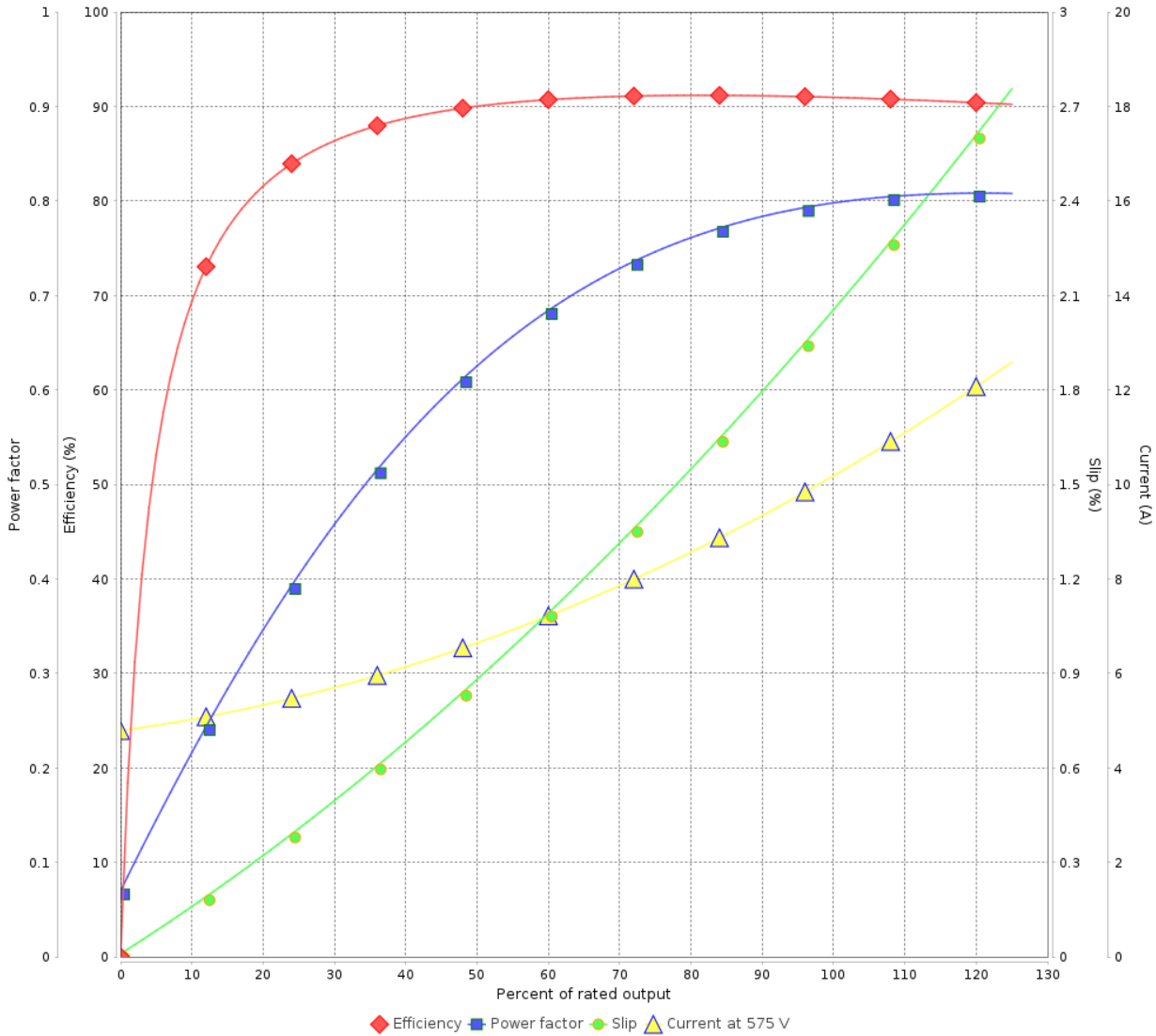
Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 IEEE 841 NEMA Premium Efficiency Three-Phase      Product code : 11941321

LOAD PERFORMANCE CURVE



Performance : 575 V 60 Hz 6P

Rated current	: 10.3 A	Moment of inertia (J)	: 0.1867 kgm <sup>2</sup>
LRC	: 6.2	Duty cycle	: Cont.(S1)
Rated torque	: 6.18 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.25
Breakdown torque	: 270 %	Temperature rise	: 80 K
Rated speed	: 1175 rpm	Design	: B

Rev.	Changes Summary	Performed	Checked	Date
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