

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :							
Product line		: Rolled Steel NEMA Premium Efficiency Three-Phase			Product code : 12845473		
Frame	:	213/5TC			Locked rotor time	:	27s (cold) 15s (hot)
Output	:	10 HP (7.5 kW)			Temperature rise	:	80 K
Frequency	:	60 Hz			Duty cycle	:	Cont.(S1)
Rated voltage	:	575 V			Ambient temperature	:	-20°C to +40°C
Poles	:	4			Altitude	:	1000 m.a.s.l.
Rated current	:	9.66 A			Protection degree	:	IP55
	:	7.3x(Code H)			Cooling method	:	IC411 - TEFC
Rated speed	:	1770 rpm			Mounting	:	F-1
Rated torque	:	4.10 kgfm			Rotation <sup>1</sup>	:	Both (CW and CCW)
Insulation class	:	F			Noise level <sup>2</sup>	:	60.0 dB(A)
Service factor	:	1.15			Starting method	:	Direct On Line
Moment of inertia (J)	:	0.0451 kgm <sup>2</sup>			Approx. weight <sup>3</sup>	:	63.5 kg
Design	:	B					
Output	25%	50%	75%	100%	Foundation loads		
Efficiency (%)	0.000	90.2	91.0	91.7	Max. traction	:	0 kgf
Power Factor	0.00	0.68	0.80	0.85	Max. compression	:	0 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)	
8.8	7.7	7.3	4.2	3.0	2.0	1.5	
		<u>Drive end</u>		<u>Non drive end</u>			
Bearing type	:	6208 ZZ		6206 ZZ			
Sealing	:	V'Ring		Without Bearing 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.			
Rev.	Changes Summary			Performed	Checked	Date	
Performed by							
Checked by					Page	Revision	
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# LOAD PERFORMANCE CURVE

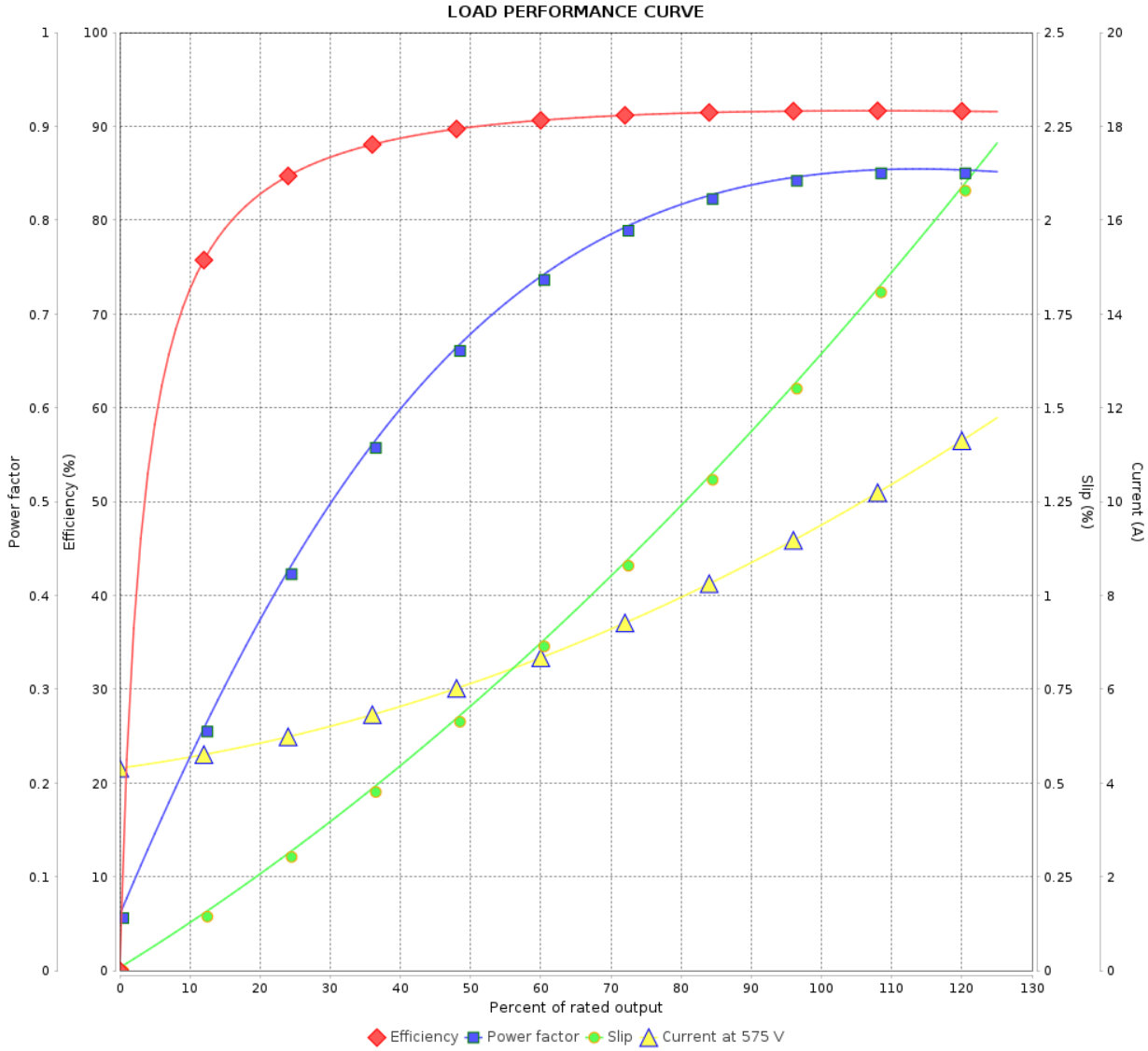
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Product line : Rolled Steel NEMA Premium  
Efficiency Three-Phase

Product code : 12845473



Rev.	Changes Summary	Performed	Checked	Date
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