

# DATA SHEET

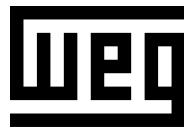
## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code :	12845473
Frame	: 213/5TC	Cooling method	: IC411 - TEFC	
Insulation class	: F	Mounting	: F-1	
Duty cycle	: Cont.(S1)	Rotation <sup>1</sup>	: Both (CW and CCW)	
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line	
Altitude	: 1000 m.a.s.l.	Approx. weight <sup>3</sup>	: 64.4 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0451 kgm <sup>2</sup>	
Design	: B			
Output [HP]		10		
Poles		4		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		9.76		
L. R. Amperes [A]		68.3		
LRC [A]		7.0x(Code H)		
No load current [A]		4.43		
Rated speed [RPM]		1760		
Slip [%]		2.22		
Rated torque [kgfm]		4.12		
Locked rotor torque [%]		250		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		27s (cold) 15s (hot)		
Noise level <sup>2</sup>		60.0 dB(A)		
Efficiency (%)	25%	90.2		
	50%	91.0		
	75%	91.0		
	100%	91.7		
Power Factor	25%	0.41		
	50%	0.67		
	75%	0.78		
	100%	0.84		
Bearing type	: 6208 ZZ	Drive end	Non drive end	Foundation loads
Sealing	: V'Ring		6206 ZZ	Max. traction : 196 kgf
Lubrication interval	: -		Without Bearing Seal	Max. compression : 261 kgf
Lubricant amount	: -			
Lubricant type	: Mobil Polyrex EM			
Notes				
<p>This revision replaces and cancel the previous one, which must be eliminated.</p> <p>(1) Looking the motor from the shaft end.</p> <p>(2) Measured at 1m and with tolerance of +3dB(A).</p> <p>(3) Approximate weight subject to changes after manufacturing process.</p> <p>(4) At 100% of full load.</p>			<p>These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1.</p>	
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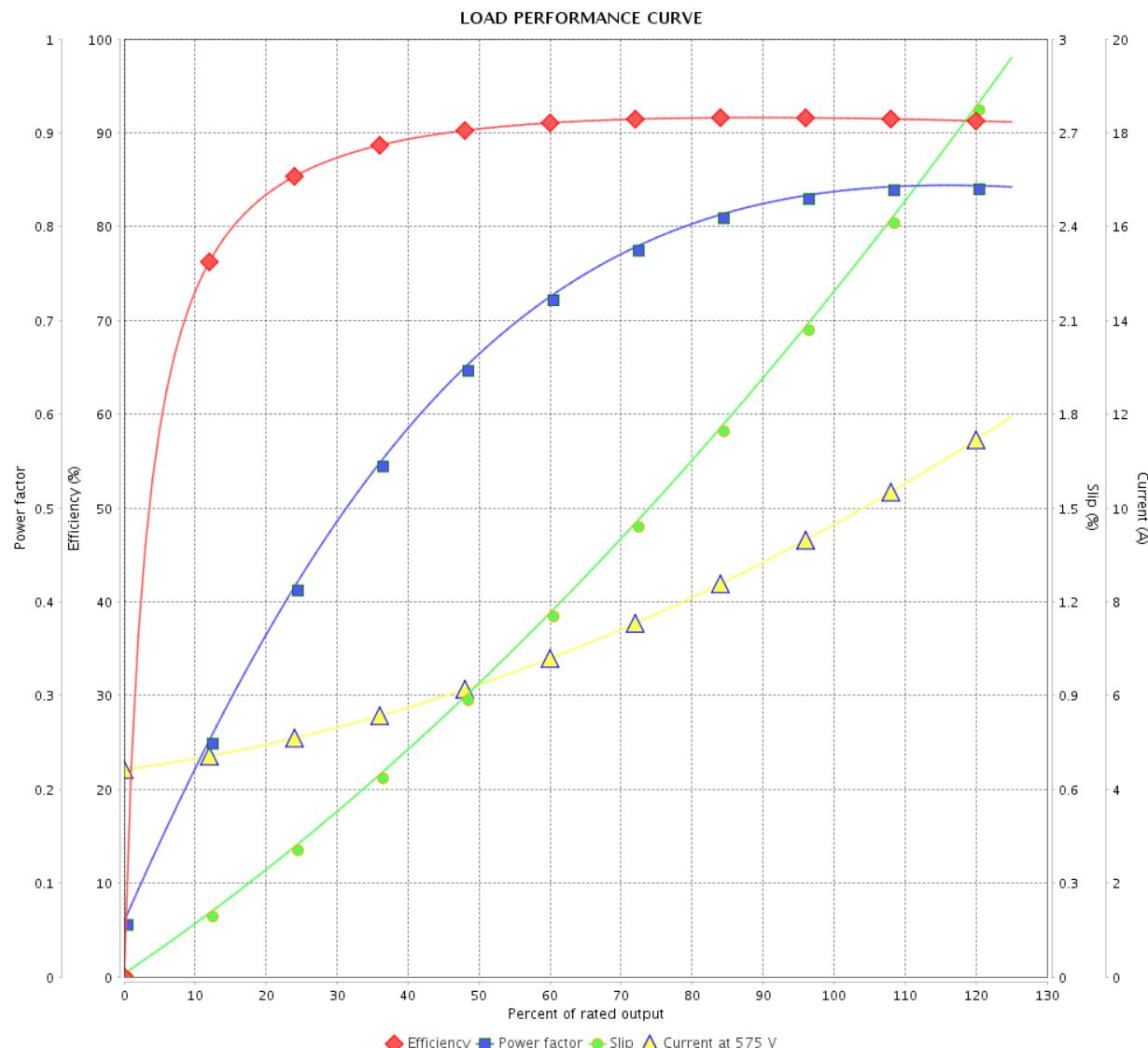
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12845473



Performance : 575 V 60 Hz 4P

Rated current	: 9.76 A	Moment of inertia (J)	: 0.0451 kgm <sup>2</sup>
LRC	: 7.0	Duty cycle	: Cont.(S1)
Rated torque	: 4.12 kgfm	Insulation class	: F
Locked rotor torque	: 250 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 1760 rpm	Design	: B

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