

# DATA SHEET

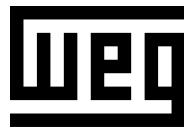
## Three Phase Induction Motor - Squirrel Cage



Customer :				
Product line		: NEMA Premium Efficiency Three-Phase	Product code :	12845391
Frame	: 182/4TC	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>	: 35.1 kg	
Protection degree	: IP55	Moment of inertia (J)	: 0.0066 kgm <sup>2</sup>	
Design	: B			
Output [HP]		3		
Poles		2		
Frequency [Hz]		60		
Rated voltage [V]		575		
Rated current [A]		2.94		
L. R. Amperes [A]		25.8		
LRC [A]		8.8x(Code K)		
No load current [A]		1.29		
Rated speed [RPM]		3515		
Slip [%]		2.36		
Rated torque [kgfm]		0.619		
Locked rotor torque [%]		220		
Breakdown torque [%]		300		
Service factor		1.15		
Temperature rise		80 K		
Locked rotor time		39s (cold) 22s (hot)		
Noise level <sup>2</sup>		68.0 dB(A)		
Efficiency (%)	25%	83.6		
	50%	84.0		
	75%	86.5		
	100%	86.5		
Power Factor	25%	0.44		
	50%	0.71		
	75%	0.82		
	100%	0.87		
Bearing type	: 6206 ZZ	Drive end	Non drive end	Foundation loads
Sealing	: V'Ring		6205 ZZ	Max. traction : 21 kgf
Lubrication interval	: -		Without Bearing Seal	Max. compression : 56 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>	
Rev.	Changes Summary			Performed
				Checked
Performed by				Page
Checked by				Revision
Date	13/05/2022			1 / 2

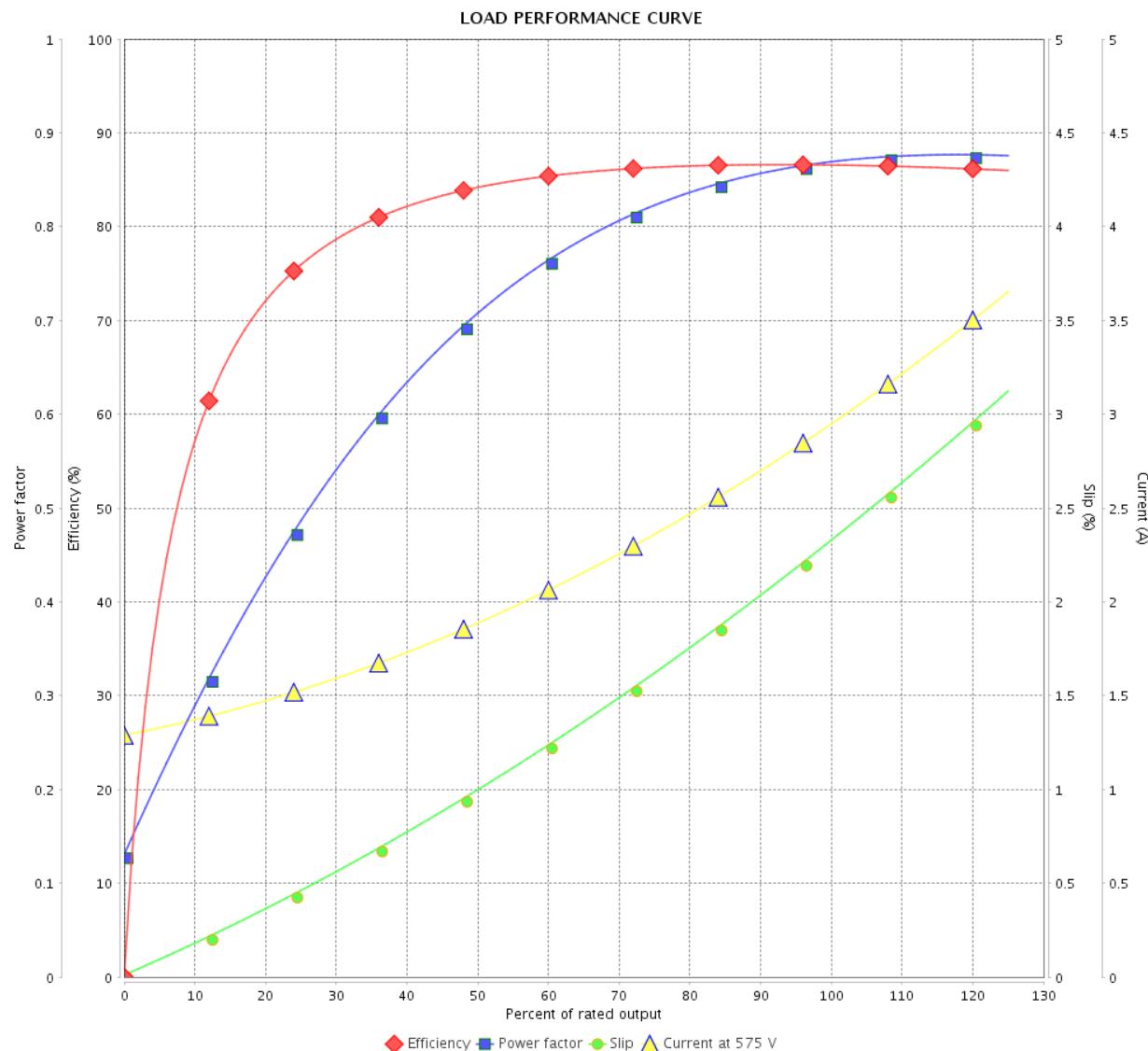
# LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : NEMA Premium Efficiency Three-Phase Product code : 12845391



Performance : 575 V 60 Hz 2P

Rated current	: 2.94 A	Moment of inertia (J)	: 0.0066 kgm <sup>2</sup>
LCR	: 8.8	Duty cycle	: Cont.(S1)
Rated torque	: 0.619 kgfm	Insulation class	: F
Locked rotor torque	: 220 %	Service factor	: 1.15
Breakdown torque	: 300 %	Temperature rise	: 80 K
Rated speed	: 3515 rpm	Design	: B

Rev.	Changes Summary		Performed	Checked	Date
Performed by					
Checked by					
Date	13/05/2022		Page 2 / 2	Revision	

