

# DATA SHEET

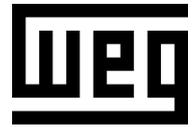
## Three Phase Induction Motor - Squirrel Cage



Customer :					
Product line		: NEMA Premium Efficiency Three-Phase		Product code : 14184242	
Frame	: 447T	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>	: 1175 kg		
Protection degree	: IP55	Moment of inertia (J)	: 3.21 kgm <sup>2</sup>		
Design	: B				
Output [HP]	200				
Poles	4				
Frequency [Hz]	60				
Rated voltage [V]	575				
Rated current [A]	184				
L. R. Amperes [A]	1270				
LRC [A]	6.9x(Code G)				
No load current [A]	59.2				
Rated speed [RPM]	1780				
Slip [%]	1.11				
Rated torque [kgfm]	81.5				
Locked rotor torque [%]	229				
Breakdown torque [%]	240				
Service factor	1.15				
Temperature rise	80 K				
Locked rotor time	45s (cold) 25s (hot)				
Noise level <sup>2</sup>	82.0 dB(A)				
Efficiency (%)	25%				
	50%	95.8			
	75%	96.2			
	100%	96.2			
Power Factor	25%				
	50%	0.70			
	75%	0.80			
	100%	0.85			
Bearing type	: Drive end	Non drive end	Foundation loads		
Sealing	: NU-319 C3	6316 C3	Max. traction	: 1124 kgf	
	: Viton	Viton Seal	Max. compression	: 2299 kgf	
	: Oil Seal				
Lubrication interval	: 4706 h	8569 h			
Lubricant amount	: 45 g	34 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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Customer : \_\_\_\_\_

### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	130 °C
2	Winding	Thermostat - 2 wires	1 x Phase	155 °C

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# LOAD PERFORMANCE CURVE

## Three Phase Induction Motor - Squirrel Cage

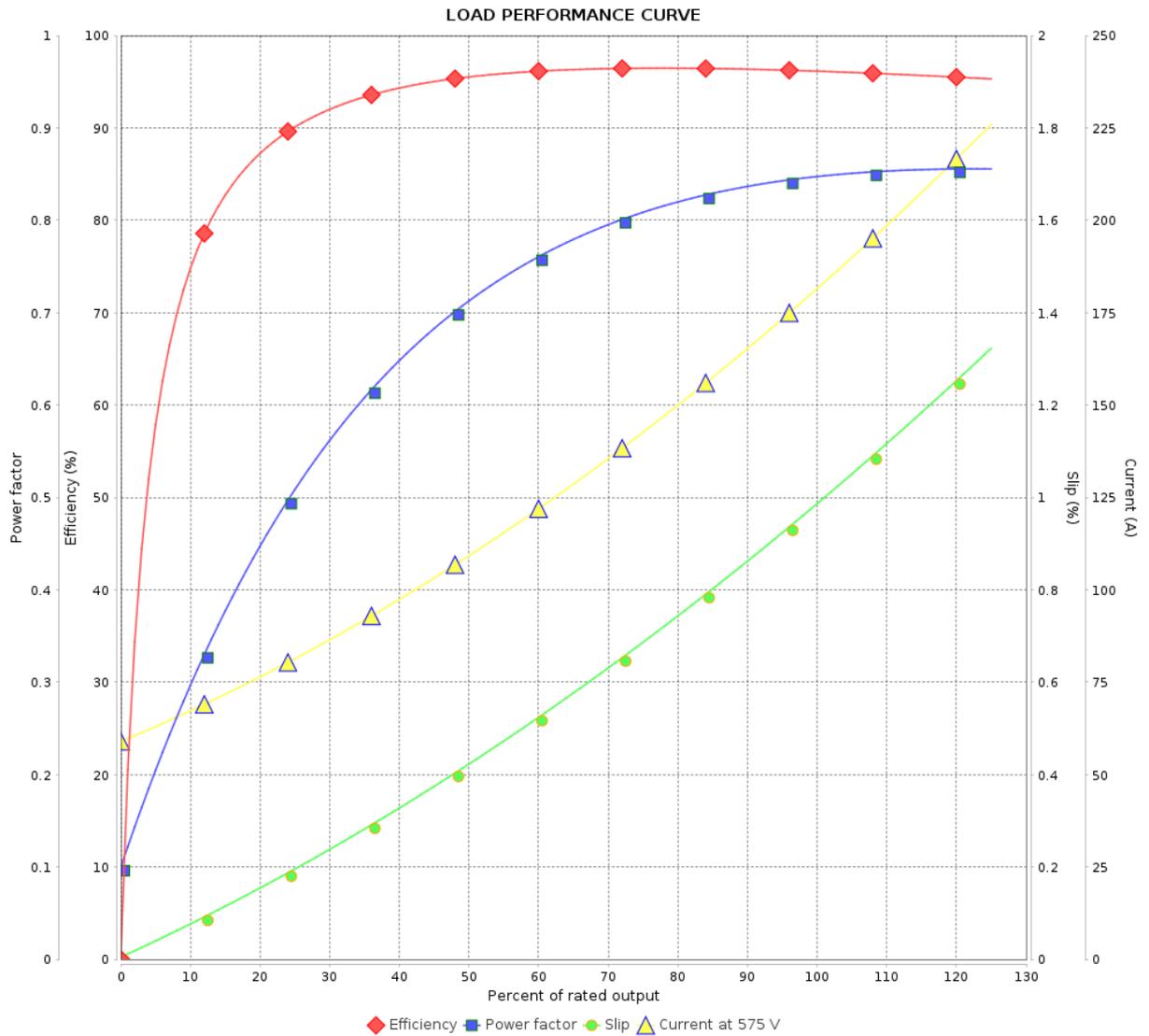


Customer : \_\_\_\_\_

Product line : NEMA Premium Efficiency Three-Phase

Product code :

14184242



Performance : 575 V 60 Hz 4P

Rated current : 184 A  
 LRC : 6.9  
 Rated torque : 81.5 kgfm  
 Locked rotor torque : 229 %  
 Breakdown torque : 240 %  
 Rated speed : 1780 rpm

Moment of inertia (J) : 3.21 kgm<sup>2</sup>  
 Duty cycle : Cont.(S1)  
 Insulation class : F  
 Service factor : 1.15  
 Temperature rise : 80 K  
 Design : B

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