

# DATA SHEET



## Three Phase Induction Motor - Squirrel Cage

Customer :

Product line : W60 Standard Efficiency Three-Phase Product code : 16166650

Frame	: 5810/11	Locked rotor time	: 54s (cold) 30s (hot)
Output	: 900 HP (660 kW)	Temperature rise	: 80 K
Poles	: 6	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 1014 A	Protection degree	: IP24
L. R. Amperes	: 6489 A	Mounting	: F-1
LRC	: 6.4x(Code G)	Rotation <sup>1</sup>	: CW
No load current	: 325 A	Noise level <sup>2</sup>	: 77.0 dB(A)
Rated speed	: 1184 rpm	Starting method	: Direct On Line
Slip	: 1.33 %	Approx. weight <sup>3</sup>	: 6313 lb
Rated torque	: 3990 ft.lb		
Locked rotor torque	: 100 %		
Breakdown torque	: 250 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 243 sq.ft.lb		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	96.9	96.6	96.2	95.8	Max. traction
Power Factor	0.50	0.74	0.82	0.85	Max. compression

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6224 C3	6218 C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	43 g	24 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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### Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	PT100 - 3 wires	2 x Phase	-
2	DE bearing	PT100 - 3 wires	1 x Bearing	-
3	NDE bearing	PT100 - 3 wires	1 x Bearing	-

### Space heater information

Voltage: 110-127/200-240 V

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