

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W60 Three-Phase

Product code : 16166688

Frame : 5010/11
Output : 850 HP (630 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 4160 V
Rated current : 104 A
L. R. Amperes : 645 A
LRC : 6.2x(Code F)
No load current : 23.8 A
Rated speed : 3555 rpm
Slip : 1.25 %
Rated torque : 1260 ft.lb
Locked rotor torque : 80 %
Breakdown torque : 210 %
Insulation class : F
Service factor : 1.00
Moment of inertia (J) : 86.3 sq.ft.lb

Locked rotor time : 25s (cold) 14s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP24
Mounting : F-1
Rotation¹ : CW
Noise level² : 80.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 4489 lb

	25%	50%	75%	100%
Output	25%	50%	75%	100%
Efficiency (%)	94.2	94.4	95.4	95.4
Power Factor	0.61	0.84	0.86	0.88

Foundation loads
Max. traction
Max. compression

	Drive end	Non drive end
Bearing type	6218 C4	6218 C4
Sealing	Without Bearing Seal	Without Bearing Seal
Lubrication interval	12045 h	12045 h
Lubricant amount	24 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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Customer :

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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