

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 NEMA Premium Efficiency Three-Phase

Product code : 12933997

Catalog # : 01018NT3FVD215TC-W22

Frame : 213/5TC
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 26.7/13.3 A
L. R. Amperes : 216/108 A
LRC : 8.1x(Code K)
No load current : 11.9/5.95 A
Rated speed : 1770 rpm
Slip : 1.67 %
Rated torque : 29.7 ft.lb
Locked rotor torque : 280 %
Breakdown torque : 400 %
Insulation class : H
Service factor : 1.00
Moment of inertia (J) : 1.80 sq.ft.lb
Design : A

Locked rotor time : 41s (cold) 23s (hot)
Temperature rise : 105 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC410 - TENV
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Starting method : VFD
Approx. weight³ : 192 lb

Output	25%	50%	75%	100%
Efficiency (%)	0.000	90.5	91.7	91.7
Power Factor	0.00	0.56	0.69	0.77

Foundation loads
Max. traction : 574 lb
Max. compression : 765 lb

	Drive end	Non drive end
Bearing type	6308 ZZ	6308 ZZ
Sealing	V'Ring	V'Ring
Lubrication interval	0 h	0 h
Lubricant amount	0 g	0 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	155 °C

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