

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase Product code : 12174928
Catalog # : 04089EP3PCT364V2F1-W

Frame : 364/5T	Cooling method : IC411 - TEFC
Insulation class : F	Mounting : F-1
Duty cycle : Cont.(S1)	Rotation ¹ : Both (CW and CCW)
Ambient temperature : -20°C to +40°C	Starting method : Direct On Line
Altitude : 1000 m.a.s.l.	Approx. weight ² : 2.2 lb
Protection degree : IP55	Moment of inertia (J) : 19.9 sq.ft.lb

Output [HP]	40	10
Poles	4	8
Frequency [Hz]	60	60
Rated voltage [V]	200	200
Rated current [A]	108	41.5
L. R. Amperes [A]	776	199
LRC [A]	7.2x(Code H)	4.8x(Code H)
No load current [A]	37.9	32.2
Rated speed [RPM]	1780	885
Slip [%]	1.11	1.67
Rated torque [ft.lb]	116	58.5
Locked rotor torque [%]	229	220
Breakdown torque [%]	300	250
Service factor	1.25	1.25
Temperature rise	80 K	80 K
Locked rotor time	14s (cold) 8s (hot)	25s (cold) 14s (hot)
Noise level ²	70.0 dB(A)	60.0 dB(A)
Efficiency (%)	25%	88.1
	50%	89.5
	75%	91.0
	100%	92.4
Power Factor	25%	0.49
	50%	0.74
	75%	0.83
	100%	0.87

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type :	6314	6314	Max. traction : 499 lb
	2RS C3	2RS C3	
Sealing :	WSeal	WSeal	Max. compression : 502 lb
Lubrication interval :	-	-	
Lubricant amount :	-	-	
Lubricant type :	POLYREA ESTER OIL (WT/ ENS)		

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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by				
Checked by				
Date	18/01/2018			

Page 1 / 2
Revision

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Space heater information

Voltage: 110-127/200-240 V

Rev.	Changes Summary		Performed	Checked	Date
Performed by			Page 2 / 2		Revision
Checked by					
Date	18/01/2018				