

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower NEMA
Premium Efficiency Three-Phase

Product code : 11976567

Catalog # : 00152ET3ECT182T-W22

Frame	: 182T	Cooling method	: IC411 - TEFC
Insulation class	: F	Mounting	: F-2
Duty cycle	: Cont.(S1)	Rotation ¹	: Both (CW and CCW)
Ambient temperature	: -20°C to +40°C	Starting method	: Direct On Line
Altitude	: m.a.s.l.	Approx. weight ²	: lb
Protection degree	: IP55	Moment of inertia (J)	: sq.ft.lb
Design	: B		

Output [HP]				
Poles				
Frequency [Hz]				
Rated voltage [V]				
Rated current [A]	5.62-5.08/2.54	2.68	2.62	2.64
L. R. Amperes [A]	43.8-39.6/19.8	16.9	18.1	19.5
LRC [A]	x(Code)	x(Code)	x(Code)	x(Code)
No load current [A]				
Rated speed [RPM]				
Slip [%]	2.50	4.50	4.00	3.50
Rated torque [ft.lb]	6.64	8.14	8.10	8.05
Locked rotor torque [%]				
Breakdown torque [%]	400	290	330	370
Service factor				
Temperature rise	80 K	80 K	80 K	80 K
Locked rotor time				
Noise level ²	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)	52.0 dB(A)
Efficiency (%)	25%	82.8	86.0	84.1
	50%	84.0	85.5	84.5
	75%	86.5	86.5	86.5
	100%	87.5	85.5	86.5
Power Factor	25%	0.25	0.29	0.27
	50%	0.45	0.52	0.48
	75%	0.54	0.63	0.60
	100%	0.62	0.73	0.70

	<u>Drive end</u>	<u>Non drive end</u>	Foundation loads
Bearing type	: 6207 2RS	6206 2RS	Max. traction : 146 lb
Sealing	: V'Ring	V'Ring	Max. compression : 239 lb
Lubrication interval	: -	-	
Lubricant amount	: -	-	
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 :

Space heater information

Voltage: 110-127/200-240 V

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