

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Cooling Tower High Efficiency Three-Phase

Product code : 12173032

Catalog # : 01089EP3QCT256V2F1-W

Frame : 254/6T
Output : 10 HP (7.5 kW)
Poles : 4
Frequency : 60 Hz
Rated voltage : 460 V
Rated current : 12.3 A
L. R. Amperes : 88.2 A
LRC : 7.2x(Code H)
No load current : 4.50 A
Rated speed : 1775 rpm
Slip : 1.39 %
Rated torque : 29.6 ft.lb
Locked rotor torque : 220 %
Breakdown torque : 290 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 2.96 sq.ft.lb

Locked rotor time : 30s (cold) 17s (hot)
Temperature rise : 80 K
Duty cycle : Cont.(S1)
Ambient temperature : -20°C to +40°C
Altitude : 1000 m.a.s.l.
Protection degree : IP55
Cooling method : IC411 - TEFC
Mounting : F-1
Rotation¹ : Both (CW and CCW)
Noise level² : 64.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 341 lb

Output	25%	50%	75%	100%				
Efficiency (%)	85.4	75.5	86.5	77.0	88.5	80.0	89.5	81.5
Power Factor	0.48	0.24	0.74	0.43	0.83	0.56	0.86	0.65

Foundation loads
Max. traction : 28 lb
Max. compression : 369 lb

	Drive end	Non drive end
Bearing type	6309 2RS C3	6209 2RS C3
Sealing	V'Ring	V'Ring
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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 2 Revision		
Checked by				
Date	28/03/2024			

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		Revision
Checked by					
Date	28/03/2024				