

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Premium Efficiency Three-Phase

Product code : 13547043

Catalog # : 00136ET3EW56CFL-S

Frame : W56C
Output : 1 HP (0.75 kW)
Poles : 2
Frequency : 60 Hz
Rated voltage : 230/460 V
Rated current : 3.00/1.50 A
L. R. Amperes : 26.4/13.2 A
LRC : 8.8x(Code M)
No load current : 1.60/0.798 A
Rated speed : 3435 rpm
Slip : 4.58 %
Rated torque : 1.53 ft.lb
Locked rotor torque : 360 %
Breakdown torque : 380 %
Insulation class : F
Service factor : 1.15
Moment of inertia (J) : 0.0254 sq.ft.lb

Locked rotor time : 18s (cold) 10s (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 : 65.0 dB(A)
Starting method : Direct On Line
Approx. weight³ : 21.5 lb

Output	25%		50%		75%		100%	
Efficiency (%)	72.4	78.4	74.0	77.8	77.0	79.2	78.5	77.8
	75.2		75.9		78.9		79.0	
Power Factor	0.38	0.43	0.63	0.70	0.75	0.81	0.80	0.86
	0.35		0.61		0.74		0.80	

Foundation loads
Max. traction : 46 lb
Max. compression : 67 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 ZZ	6202 ZZ
Sealing	:	V'Ring	Without Bearing Seal
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 / 1		
Checked by				
Date	27/03/2024			
			Revision	