

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 11792065

Catalog # : 01012EG3E256T-W22

Frame : 254/6T
 Output : 10 HP (7.5 kW)
 Poles : 6
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 25.4/12.7 A
 L. R. Amperes : 180/90.2 A
 LRC : 7.1x(Code J)
 No load current : 13.0/6.50 A
 Rated speed : 1180 rpm
 Slip : 1.67 %
 Rated torque : 44.5 ft.lb
 Locked rotor torque : 240 %
 Breakdown torque : 300 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 5.40 sq.ft.lb
 Design : A

Locked rotor time : 72s (cold) 40s (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 : 59.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 363 lb

Output	50%	75%	100%
Efficiency (%)	91.0 90.2 90.2 91.0	92.4 91.0 91.7 91.7	92.4 91.0 91.7 91.7
Power Factor	0.62 0.69 0.65 0.63	0.74 0.78 0.76 0.74	0.80 0.83 0.81 0.80

Foundation loads
 Max. traction : 564 lb
 Max. compression : 927 lb

Losses at normative operating points (speed;torque), in percentage of rated output power

Losses (%)	P1 (0,9;1,0)	8.0	9.6	8.7	8.7
	P2 (0,5;1,0)	6.6	7.9	7.2	7.2
	P3 (0,25;1,0)	6.3	7.6	6.9	6.9
	P4 (0,9;0,5)	4.3	5.2	4.8	4.8
	P5 (0,5;0,5)	3.0	3.6	3.3	3.3
	P6 (0,5;0,25)	2.1	2.6	2.3	2.3
	P7 (0,25;0,25)	1.5	1.8	1.6	1.6

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6309 C3	6209 C3
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	20000 h	20000 h
Lubricant amount	:	13 g	9 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.

Rev.	Changes Summary	Performed	Checked	Date
Performed by		Page 1 / 1		
Checked by				
Date	29/03/2024			
		Revision		