

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W22 Super Premium Efficiency Three-Phase

Product code : 11792062

Catalog # : 01036EG3E215T-W22

Frame : 213/5T
 Output : 10 HP (7.5 kW)
 Poles : 2
 Frequency : 60 Hz
 Rated voltage : 230/460 V
 Rated current : 23.3/11.7 A
 L. R. Amperes : 201/100 A
 LRC : 8.6x(Code J)
 No load current : 8.00/4.00 A
 Rated speed : 3535 rpm
 Slip : 1.81 %
 Rated torque : 14.9 ft.lb
 Locked rotor torque : 250 %
 Breakdown torque : 340 %
 Insulation class : F
 Service factor : 1.25
 Moment of inertia (J) : 0.7185 sq.ft.lb
 Design : A

Locked rotor time : 36s (cold) 20s (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 : 68.0 dB(A)
 Starting method : Direct On Line
 Approx. weight³ : 174 lb

Output	50%	75%	100%
Efficiency (%)	89.5 90.2	91.0 91.0	91.7 91.0
	91.0 90.9	91.5 91.5	91.5 91.5
Power Factor	0.77 0.81	0.85 0.88	0.88 0.90
	0.78 0.76	0.87 0.85	0.89 0.88

Foundation loads
 Max. traction : 216 lb
 Max. compression : 389 lb

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

Losses (%)	P1 (0,9;1,0)	8.6	9.4	8.8	8.8
	P2 (0,5;1,0)	6.5	7.2	6.7	6.7
	P3 (0,25;1,0)	5.9	6.5	6.1	6.1
	P4 (0,9;0,5)	4.6	5.1	4.8	4.8
	P5 (0,5;0,5)	2.7	3.0	2.8	2.8
	P6 (0,5;0,25)	1.9	2.0	1.9	1.9
	P7 (0,25;0,25)	1.1	1.2	1.1	1.1

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6308 ZZ	6207 ZZ
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 / 1		
Checked by				
Date	29/03/2024			
		Revision		