

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	Locked rotor time	: 36s (cold) 20s (hot)
Output	: 10 HP (7.5 kW)	Temperature rise	: 80 K
Poles	: 2	Duty cycle	: Cont.(S1)
Frequency	: 60 Hz	Ambient temperature	: -20°C to +40°C
Rated voltage	: 230/460 V	Altitude	: 1000 m.a.s.l.
Rated current	: 23.3/11.7 A	Protection degree	: IP55
L. R. Amperes	: 201/100 A	Cooling method	: IC411 - TEFC
LRC	: 8.6x(Code J)	Mounting	: F-1
No load current	: 8.00/4.00 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 3535 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.81 %	Starting method	: Direct On Line
Rated torque	: 14.9 ft.lb	Approx. weight ³	: 174 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		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	89.5 90.2	91.0 91.0	91.7 91.0	Max. traction	: 216 lb
	91.0 90.9	91.5 91.5	91.5 91.5	Max. compression	: 389 lb
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		

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

	Drive end		Non drive end	
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					
Checked by					
Date	29/03/2024				
Page					Revision
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