

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel NEMA Premium Efficiency Three-Phase Product code : 14459466
 Catalog # : 01036OT3ER213TC-S

Frame	: 213/5TC	Locked rotor time	: 19s (cold) 11s (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	: 24.0/12.0 A	Cooling method	: IC01 - ODP
L. R. Amperes	: 163/81.6 A	Mounting	: W-6
LRC	: 6.8x(Code H)	Rotation ¹	: Both (CW and CCW)
No load current	: 9.32/4.66 A	Noise level ²	: 66.0 dB(A)
Rated speed	: 3535 rpm	Starting method	: Direct On Line
Slip	: 1.81 %	Approx. weight ³	: 122 lb
Rated torque	: 14.9 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.4651 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads					
Efficiency (%)	88.3	91.2	88.5	89.4	89.5	88.6	89.5	86.5	Max. traction	: 191 lb
	89.9	89.0	89.1	87.9						
Power Factor	0.47	0.53	0.74	0.80	0.84	0.88	0.88	0.91	Max. compression	: 314 lb
	0.45	0.73	0.84	0.89						

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6208 ZZ	6206 ZZ
Sealing	:	Without Bearing Seal	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				
Checked by			Page	Revision
Date	30/06/2024		1 / 1	