

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Wash Down NEMA Premium Efficiency Three-Phase Product code : 15228123
Catalog # : 00518ET3EHWR184TC-S

Frame	: 182/4TC	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 5 HP (3.7 kW)	Temperature rise	: 80 K
Poles	: 4	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	: 13.0/6.49 A	Protection degree	: IP56
L. R. Amperes	: 90.9/45.4 A	Cooling method	: IC411 - TEFC
LRC	: 7.0x(Code J)	Mounting	: F-1
No load current	: 6.89/3.44 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1750 rpm	Noise level ²	: 56.0 dB(A)
Slip	: 2.78 %	Starting method	: Direct On Line
Rated torque	: 15.0 ft.lb	Approx. weight ³	: 76.4 lb
Locked rotor torque	: 220 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.3080 sq.ft.lb		
Design	: B		

Output	25%		50%		75%		100%		Foundation loads	
Efficiency (%)	88.2	89.7	88.5	87.9	89.5	87.2	89.5	84.9	Max. traction	: 300 lb
	87.1		86.5		87.2		86.1			
Power Factor	0.35	0.42	0.60	0.68	0.73	0.80	0.80	0.84	Max. compression	: 376 lb
	0.34		0.59		0.73		0.80			

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6206 2RS	6205 2RS
Sealing	:	Viton Oil seal with Stainless Steel Spring	Viton Oil seal with Stainless Steel Spring
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	