

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Wash Down NEMA Premium Efficiency Three-Phase Product code : 15228485
Catalog # : 02018ET3EHW256TC-S

Frame	: 254/6TC	Locked rotor time	: 28s (cold) 16s (hot)
Output	: 20 HP (15 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	: 49.4/24.7 A	Protection degree	: IP56
L. R. Amperes	: 331/165 A	Cooling method	: IC411 - TEFC
LRC	: 6.7x(Code H)	Mounting	: F-1
No load current	: 22.2/11.1 A	Rotation ¹	: Both (CW and CCW)
Rated speed	: 1765 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 1.94 %	Starting method	: Direct On Line
Rated torque	: 59.5 ft.lb	Approx. weight ³	: 249 lb
Locked rotor torque	: 270 %		
Breakdown torque	: 300 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 2.64 sq.ft.lb		
Design	: B		

Output	50%	75%	100%	Foundation loads	
Efficiency (%)	91.7	92.4	93.0	Max. traction	: 732 lb
Power Factor	0.66	0.77	0.82	Max. compression	: 980 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6309 2RS	6208 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:
USABLE @208V 54.6A SF 1.00 SFA 54.6A

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 Revision 1 / 1		
Checked by				
Date	29/03/2024			