

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Rolled Steel Jet Pump - C type Standard Product code : 12894732
Efficiency Three-Phase

Frame	: 56C	Locked rotor time	: 10s (cold) 6s (hot)
Output	: 3 HP (2.2 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	: 7.52/3.76 A	Protection degree	: IP55
L. R. Amperes	: 63.9/32.0 A	Cooling method	: IC411 - TEFC
LRC	: 8.5x(Code K)	Mounting	: F-1
No load current	: 2.80/1.40 A	Rotation ¹	: CCW
Rated speed	: 3480 rpm	Noise level ²	: 68.0 dB(A)
Slip	: 3.33 %	Starting method	: Direct On Line
Rated torque	: 4.53 ft.lb	Approx. weight ³	: 38.7 lb
Locked rotor torque	: 270 %		
Breakdown torque	: 280 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.1279 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	79.7	80.0	81.5	81.5	Max. traction	: 105 lb
Power Factor	0.50	0.76	0.86	0.90	Max. compression	: 144 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6203 2RS	6202 2RS
Sealing	:	V'Ring	Without Bearing Seal
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:
USABLE @208V 8.32A SF 1.00 SFA 8.32A

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	27/03/2024			