

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Centrifugal Pump Three-Phase

Product code : 10749234

Frame	: F56HJ	Locked rotor time	: 18s (cold) 10s (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	: 7.60/3.80 A	Protection degree	: IP55
L. R. Amperes	: 73.0/36.5 A	Cooling method	: IC411 - TEFC
LRC	: 9.6x(Code L)	Mounting	: F-1
No load current	: 3.20/1.60 A	Rotation <sup>1</sup>	: CCW
Rated speed	: 3450 rpm	Starting method	: Direct On Line
Slip	: 4.17 %	Approx. weight <sup>3</sup>	: 42.4 lb
Rated torque	: 4.57 ft.lb		
Locked rotor torque	: 430 %		
Breakdown torque	: 380 %		
Insulation class	: F		
Service factor	: 1.15		
Moment of inertia (J)	: 0.0864 sq.ft.lb		
Design	: A		

Output	25%	50%	75%	100%	Foundation loads
Efficiency (%)	81.6	82.0	84.0	84.0	Max. traction : 149 lb
Power Factor	0.46	0.74	0.84	0.89	Max. compression : 192 lb

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6204 2RS	6203 2RS
Sealing	:	V'Ring	V'Ring
Lubrication interval	:	-	-
Lubricant amount	:	-	-
Lubricant type	:	Mobil Polyrex EM	

Notes:  
USABLE @208V 8.25A SF 1.00 SFA 8.25A

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	27/03/2024			
			Revision	