

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : General High Efficiency Three-Phase Product code : 11428073

Frame	: 182/4TZ	Locked rotor time	: 18s (cold) 10s (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	: 24.6/12.3 A	Protection degree	: IP55
L. R. Amperes	: 266/133 A	Cooling method	: IC418 - TEAO
LRC	: 10.8x(Code M)	Mounting	: F-3
No load current	: 11.3/5.65 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 3500 rpm	Starting method	: Direct On Line
Slip	: 2.78 %	Approx. weight <sup>3</sup>	: 99.2 lb
Rated torque	: 15.0 ft.lb		
Locked rotor torque	: 340 %		
Breakdown torque	: 470 %		
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.2753 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	86.2	88.6	89.0	Max. traction	: 401 lb
Power Factor	0.00	0.68	0.80	0.86	Max. compression	: 500 lb

	Drive end	Non drive end
Bearing type	: 6206 ZZ	: 6206 ZZ
Sealing	: V'Ring	: V'Ring
Lubrication interval	: 0 h	: 0 h
Lubricant amount	: 0 g	: 0 g
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 Revision 1 / 2		
Checked by				
Date	25/03/2024			

Customer :

Thermal protection

ID	Application	Type	Quantity	Sensing Temperature
1	Winding	Thermostat - 2 wires	1 x Phase	155 °C

Rev.	Changes Summary		Performed	Checked	Date
Performed by				Page	Revision
Checked by				2 / 2	
Date	25/03/2024				