

# DATA SHEET

## Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : W40 High Efficiency Three-Phase

Product code : 15692495  
Catalog # : 100150P3OFP405TS-W40

Frame	: 404/5TS	Locked rotor time	: 0s (cold) 0s (hot)
Output	: 100 HP (75 kW)	Temperature rise	: 70 K
Poles	: 4	Duty cycle	: Cont.(S1)
Frequency	: 50 Hz	Ambient temperature	: -20°C to +50°C
Rated voltage	: 380 V	Altitude	: 1000 m.a.s.l.
Rated current	: 142 A	Protection degree	: IP23
L. R. Amperes	: 838 A	Cooling method	: IC01 - ODP
LRC	: 5.9x(Code F)	Mounting	: F-1
No load current	: 41.0 A	Rotation <sup>1</sup>	: Both (CW and CCW)
Rated speed	: 1480 rpm	Starting method	: Direct On Line
Slip	: 1.33 %	Approx. weight <sup>3</sup>	: 1036 lb
Rated torque	: 355 ft.lb		
Locked rotor torque	: 200 %		
Breakdown torque	: 200 %		
Insulation class	: H		
Service factor	: 1.15		
Moment of inertia (J)	: 25.6 sq.ft.lb		
Design	: B		

Output	25%	50%	75%	100%	Foundation loads	
Efficiency (%)	0.000	94.1 94.1	94.1 94.1	94.1 94.1	Max. traction	: 2135 lb
	0.000	94.1	94.1	94.1		
	0.000					
Power Factor	0.00 0.00	0.76 0.73	0.83 0.82	0.85 0.84	Max. compression	: 3171 lb
	0.00	0.71	0.81	0.83		

		<u>Drive end</u>	<u>Non drive end</u>
Bearing type	:	6314 C3	6212 Z C3
Sealing	:	Without Bearing Seal	Without Bearing Seal
Lubrication interval	:	4500 h	4500 h
Lubricant amount	:	27 g	13 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 1 / 1		
Checked by				
Date	26/03/2024			
			Revision	