

DATA SHEET

Single Phase Induction Motor - Squirrel Cage



Customer : V.J. PAMENSKY CANADA INC.

Product line : W01 - ODP Compressor Duty Standard Efficiency Product code : 17407305

Frame	: 56H	Locked rotor time	: 3 s (hot) 5 s (cold)
Output	: 5 HP (3.7 kW)	Temperature rise	: 105 K
Poles	: 2	Duty cycle	: S1
Frequency	: 60 Hz	Ambient temperature	: -20 °C to +40 °C
Rated voltage	: 230 V	Altitude	: 3280 ft
Rated current	: 20.5 A	Protection degree	: IP21
L. R. Amperes	: 133 A	Cooling method	: IC01 - ODP
LRC	: 6.5	Mounting	: F-1/B3R(D)
No load current	: 5.30 A	Rotation ¹	: Both
Rated speed	: 3455 rpm	Noise level ²	: 70.0 dB(A)
Slip	: 4.03 %	Vibration class	: A
Rated torque	: 7.52 ft.lb	Starting method	: Direct On Line
Locked rotor torque	: 210 %	Approx. weight ³	: 46.3 lb
Pull up torque	: 175 %	Painting plan	: 207N
Breakdown torque	: 200 %	Color	: MUNSELL N 1 - MATTE
Insulation class	: F		
Service factor	: 1.00		
Moment of inertia (J)	: 0.0712 sq.ft.lb		

Output	50%	75%	100%	Load type	: -
Efficiency (%)	74.6	78.5	80.0	Load torque	: -
Power Factor	0.96	0.97	0.98	Load inertia (J=GD ² /4)	: -

	Drive end	Non drive end	Foundation loads	
Bearing type	6204-ZZ	6202-ZZ	Max. traction	: -
Lubrication interval	-	-	Max. compression	: -
Lubricant amount	-	-		
Lubricant type	MOBIL POLYREX EM			

Notes

See notes on page 2.

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 be changed after manufacturing process.

These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG 1-12.

Rev.	Changes Summary		Rev.	Checked	Date
Performed by	farazq		1847560815		
Checked by	AUTOMATICO		Page	Rev.	
Date	12/05/2026		1 / 2	0	

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Thermal protection ID	Application	Type	Quantity	Sensing Temperature
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Notes

Standards	Specification	: MG1 - Part 10	Vibration	: MG1 - Part 7
	Test	: MG1 - Part 12	Tolerance	: MG1 - Part 12
	Noise	: MG1 - Part 9		

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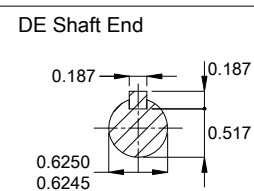
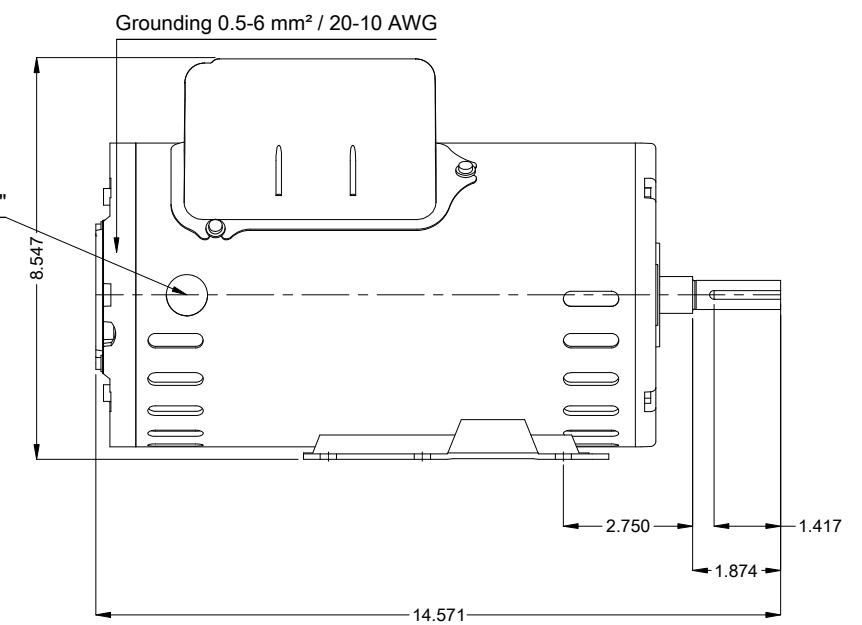
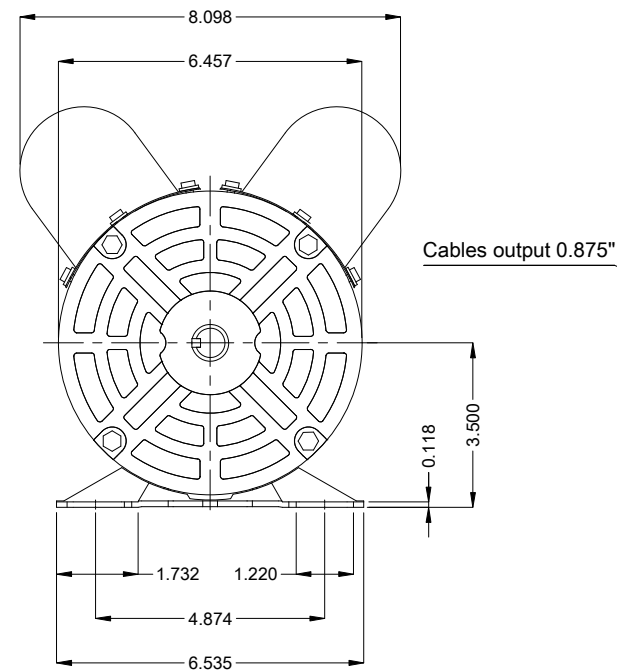
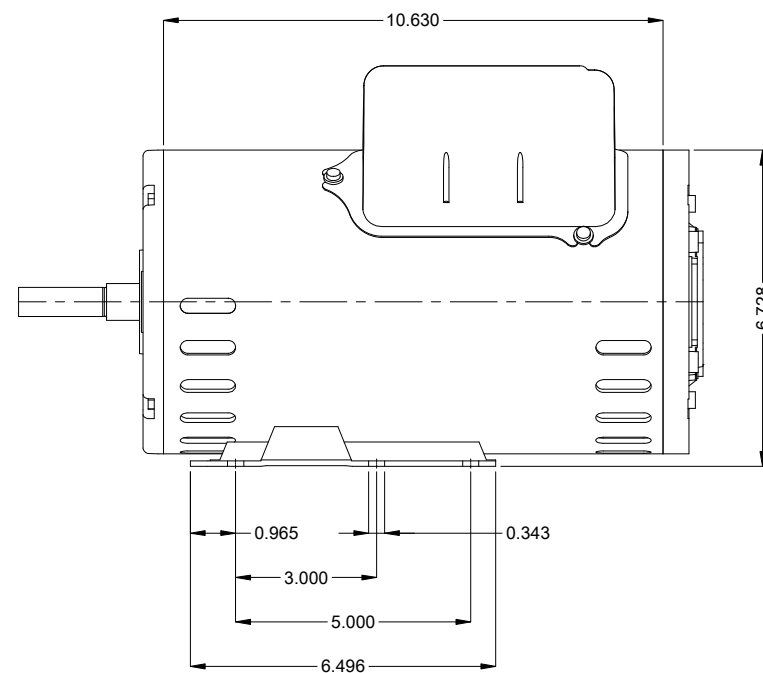
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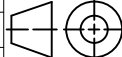
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Reinforce the foot with 2 mig welding spots
Phenolic thermal protector - manual
Mounting MARKET F-1/B3R(D)
Mounting B3R(D)

5 HP 02 Poles 60 Hz										A
						Scale				1 : 4
						HYBRISUSER				00
ECM	LOC	SUMMARY OF MODIFICATIONS				EXECUTED	CHECKED	RELEASED	DATE	VER
EXECUTED	HYBRISUSER			SINGLE PH. MOTOR W01 COMPRESSOR DUTY FRAME 56H IP21 ODP			PREVIEW			
CHECKED										
RELEASED										
REL. DATE										
						SHEET		1 / 1		