



RELIABILITY AND VALUE



Hand crafted stator ensures precision winding
combined with robust VPI insulation system.

Motors & Relationships Built to Last

Quality is the main ingredient

Techtop motors are designed with unique premium features to ensure reliable operation in severe environments. Our network of warehouses means product is readily available across the USA.

techttop.com



Quality



Performance



Availability



Customization

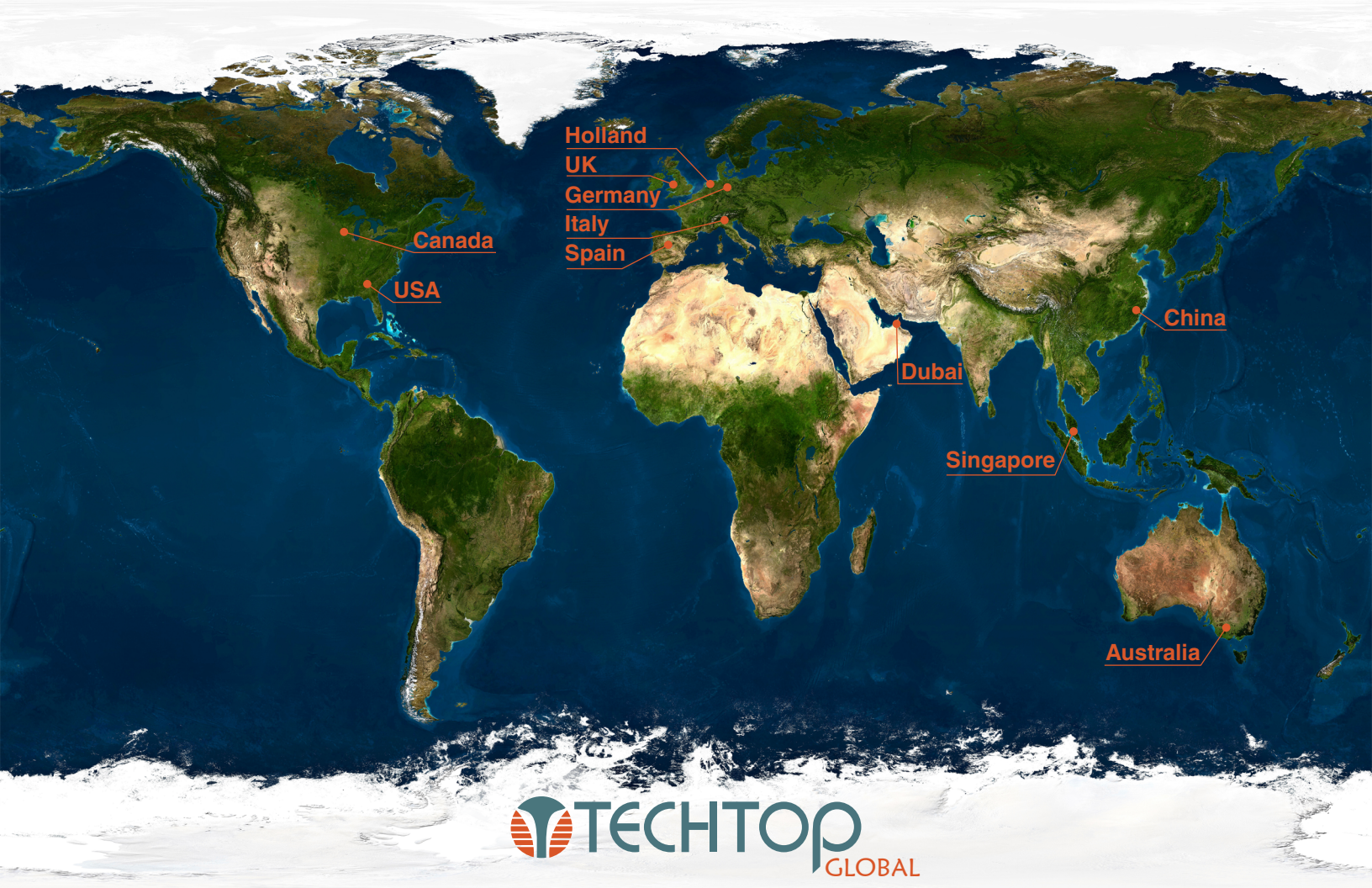
| Company Overview



TECHTOP is a family owned company taking complete ownership in the design, manufacturing and sale of electric motor products for industrial and commercial applications.

- Global corporation with three production facilities & 10 overseas subsidiaries
- Setting the standard for innovation, design and construction
- A worldwide leader in aluminum frame electric motor production





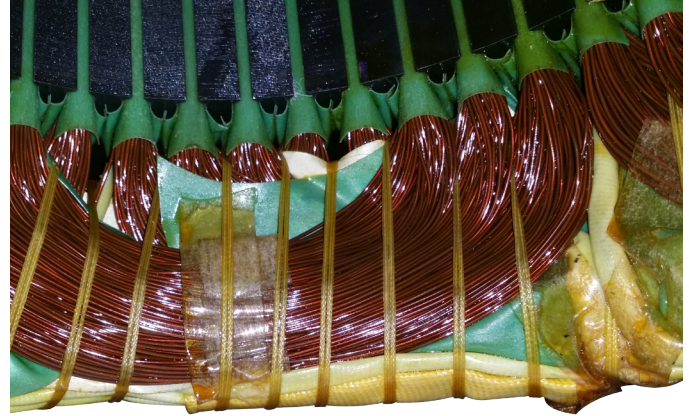
| Lap Winding vs. Concentric Winding



Lap Winding is a hand wound system ensuring precision placement of coils and phase insulation.

- Manually inserted, less wire stress
- VPI insulation, eliminates resin voids
- Sealed with Anti-microbial coating

COMPETITOR

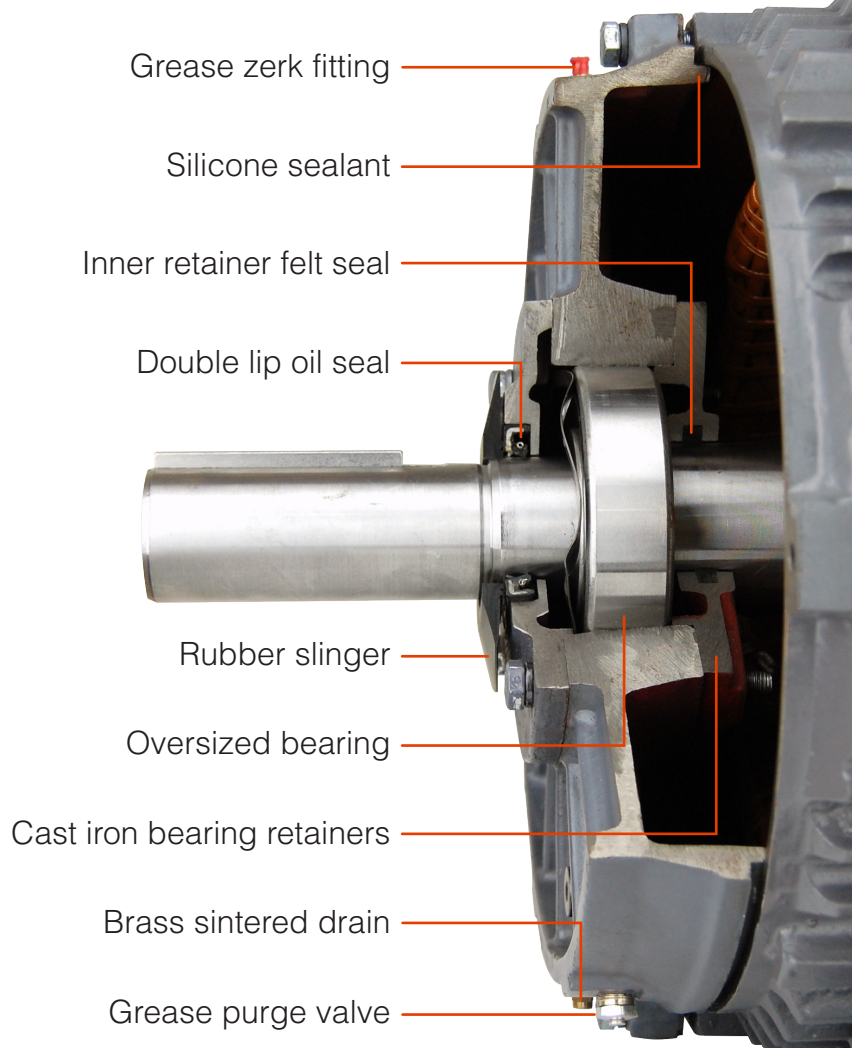
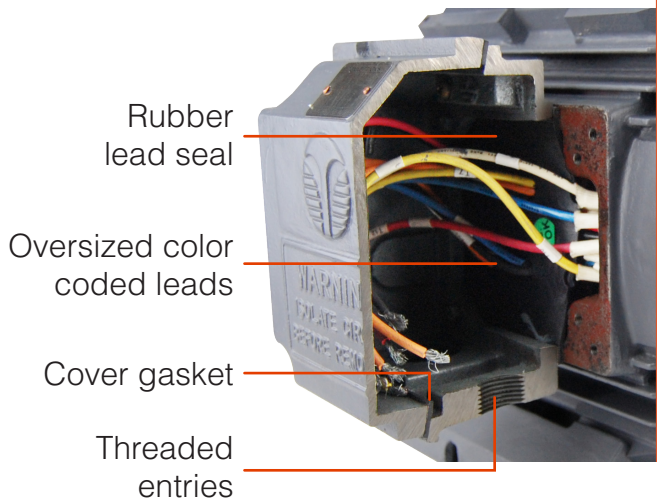


Concentric Winding is a machine wound system subject to more coil and phase overlap.

- Higher probability of phase to phase short
- Dip and Bake process poses higher potential for air pockets in resin

Ingress Protection

TECHTOP's standard TEFC enclosure meets severe duty IP55. An innovative approach to bearing and terminal box sealing keeps harsh environment elements outside the motor.



| TECHTOP USA

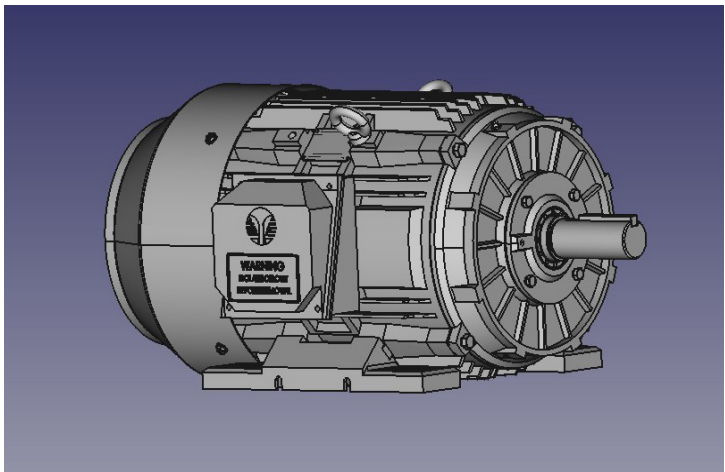


TECHTOP USA was formed in 2008 in an effort to bring service and support to America with the growing TECHTOP line. While developing the US market, we observed the motor industry was reversing in terms of design and overall quality of product. With feedback from end users, EASA shops and OEM's, we set out on a mission to build a better motor for the customer. Today TECHTOP is setting the standard in the low voltage motor market.

- James Muldoon , TECHTOP USA General Manager



Application Engineering In our local Techtop office, technical support is available and ready to help you every step of the way. We offer online ready data, 3D & 2D technical drawings, and a talented team of engineers to help you navigate any challenges that may arise.



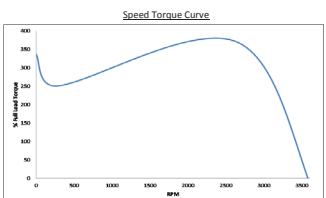


Techtop Industries

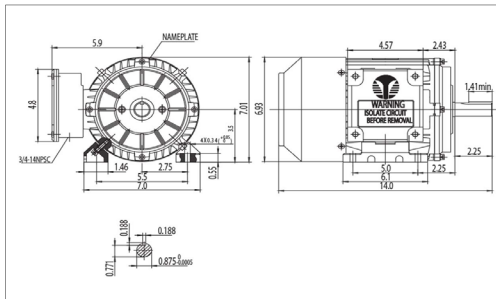
Nameplate and Performance Data

NAMEPLATE DATA			
	60 Hz	50 Hz	
Motorpower	2	1.417	2
Frame Size	345D	350D	
Speed, RPM	2820/2850	2850/2880	
Voltage	230/240V	230/240V	
# Phases	3		
Full Load Amps	5.42/5.7	6.62/5.3	
Power Factor	0.83	0.847	
Motor Efficiency	85.5	82.5	
UL Load Efficiency	85.2		
Service Factor			
Insulation	Class F		
Temp. Rise	100°C		
Full Load Temp Rise °C	47		
Dimensions			
Ambient Temperature	40°C		
WPA Class			
UL Amps @ 208 V	5.57		
Insulation Class	F		
WEMA Design	B		
Weight	57.77		
CE Marking	020522		
UL Listing	020522		
UL No. Load	0.097851		
Motor NoV, 1/3 HP			
Start Capacitor µF	-		
Start Capacitor V	-		
Run Capacitor µF	-		
Run Capacitor V	-		
Number of Loads	9		
UL Listing	1171		
UL Listing (B)	1.7306		

Motor Model:		GR3-CI-TF-345T-2-B-D-2			
Performance Load Values:					
% Load	Thermostat	Current, Amps	Input power, Watts	Speed, RPM	Efficiency, %
0	-	1.2680	-	-	-
25	0.50	1.3610	0.50	3575	0.4652
50	1.00	1.4600	0.50	3353.4	0.4720
75	1.50	2.0050	1.51	3333.8	0.7983
100	2.00	2.3600	1.75	3400	0.8499
125	2.50	1.1320	1.25	3400	0.8451
Speed Torque Curve					
Full Load Torque		11.01 <th>362.00<th>0<th>23.607</th></th></th>	362.00 <th>0<th>23.607</th></th>	0 <th>23.607</th>	23.607
Locked Rotor Torque		5.21 <th>168.00<th>50<th></th></th></th>	168.00 <th>50<th></th></th>	50 <th></th>	
Breakdown Torque		11.01 <th>362.00<th>23.63<th></th></th></th>	362.00 <th>23.63<th></th></th>	23.63 <th></th>	
Full Load		8.54 <th>138<th>3400<th>2.580</th></th></th>	138 <th>3400<th>2.580</th></th>	3400 <th>2.580</th>	2.580



Dimensional Drawing



Dimensions are for reference only. Allowance should be made for minor deviations in non standard specified properties.

Techtop Industries
1250 Old Alpharetta Road,
Alpharetta, GA 30005
E-Mail at info@techttopind.com

| TECHTOP Modification Shop

Customization Our motor modification shop is ready and available to get you the custom motors you need in a timely manner. Our short cycles provide a quick turnaround because when you need it now, is when you need it most. Let our Techtop team of professional motor technicians take your express needs for non-standard product. We will give it our top priority.

OEM Specialty OEM partnerships often require custom solutions as a standard to fit their equipment needs. Techtop has experience and success in the design and manufacture of such custom engineered products. Give us a call today to discuss any challenging applications for Techtop to propose a value added solution.



| TECHTOP Product Line

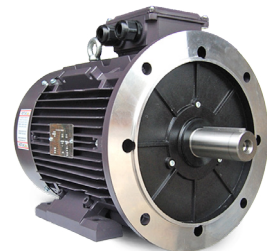
Cast Iron Premium Series Three phase, NEMA premium efficient, 2,4,and 6 pole, 1 to 250HP, Inverter Rated - 15:1 Constant Torque, MG1 Part 31 Compliant for VFD use. Ideal for numerous industrial applications.



Aluminum Premium Series Three Phase, NEMA premium efficient, 2/4/6 Pole, 1-15 HP, Inverter Rated - 15:1 Constant Torque, MG1 Part 31. Light weight frame is perfect for difficult installations or the weight conscience OEM.

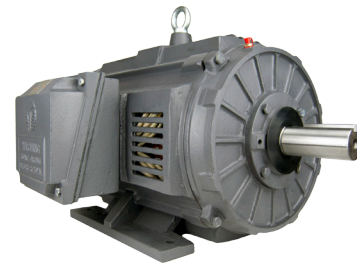


Metric IEC Premium Series Three Phase, NEMA premium efficient, 2/4/6 Pole, 1/8-150 HP, 0.09-110kW, Inverter Rated - 15:1 Constant Torque, MG1 Part 31 Compliant for VFD use. Increase / decrease flanges available.



| TECHTOP Product Line

Open Drip Proof Premium Series Three phase, premium efficient, 1 to 150HP, IP23 Rated, Inverter Rated - 15:1 Constant Torque, MG1 Part 31 Compliant for VFD use. Ideal for numerous industrial applications.



IEEE 841 Severe Duty Series Three Phase, NEMA premium efficient, 2/4/6 Pole, 15-250 HP, IP56 Protection, Inpro seals, 3 lead connection, Inverter Rated - 15:1 Constant Torque, MG1 Part 31 Compliant for VFD use. Ideal for harsh environment applications.

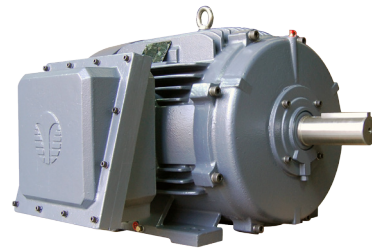


JM/JP Pump Series Three Phase, 2/4 Pole, 1/3-50HP, IP 55 Rated, Continuous Duty, Dual voltage, Inverter Rated - 20:1 Variable Torque, MG1 Part 31 Compliant for VFD use. Ideal for Pump, Aerator, Turbine applications.



| TECHTOP Product Line

Explosion Proof Series Three phase, NEMA premium efficient, 2,4,and 6 pole, 1 to 250HP, Certified for Hazardous location, IP 54, IEEE 45, Inverter Rated - 4:1 Constant Torque, MG1 Part 31. Ideal for Hazardous location applications.



56C Frame



HVAC



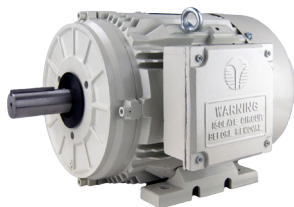
Farm Duty



Crusher Duty



Washdown Duty



Oil Pumper



Phase Converter



Blower Kits

| Warranty Protection

TECHTOP is committed to 100% customer satisfaction. All of our warranty times start from Date of Purchase. For more info contact :

Email : warranty@techttopind.com

Single Phase

All Motor Lines - 18 Months

Three Phase

Blue Line - 24 months
Green Line - 36 months
Brown Line - 60 months
Black Line - 24 months
Gray Line - 24 months
Orange Line 24 months



Techtop is the right choice for better business. As you can tell by our motors, we are not satisfied with the normal standards. We continue to strive for excellence in everything we do. We are proud to create motors and relationships built to last. We are ready, Are you?



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1-855-TECHTOP



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