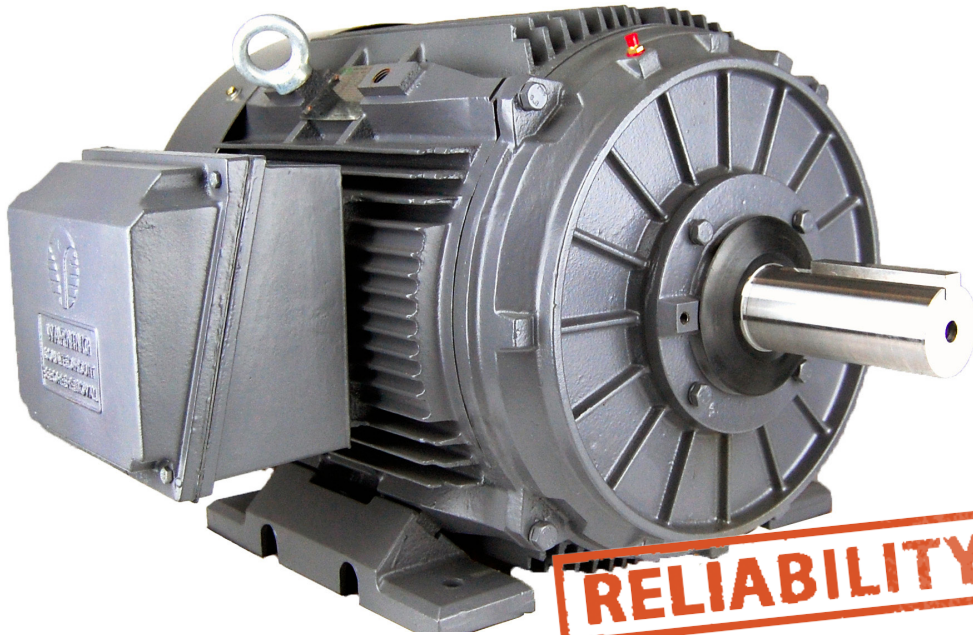




TECHTOP

electric motors



RELIABILITY AND VALUE



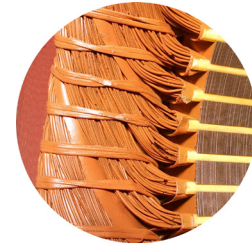
Hand crafted stator ensures precision winding combined with robust VPI insulation system.

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.

techtvind.com



Quality



Performance



Availability



Customization

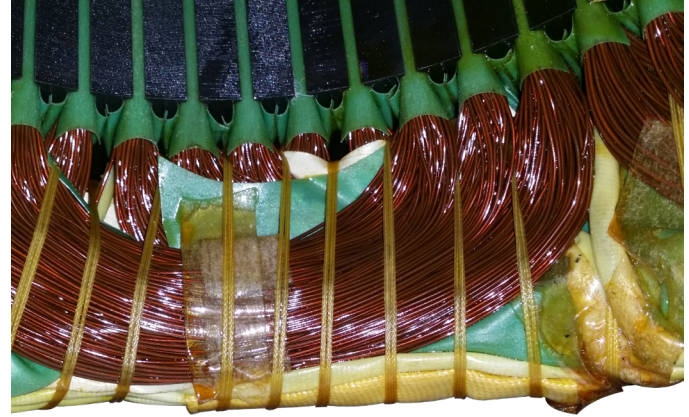
Lap Winding vs. Concentric Winding



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

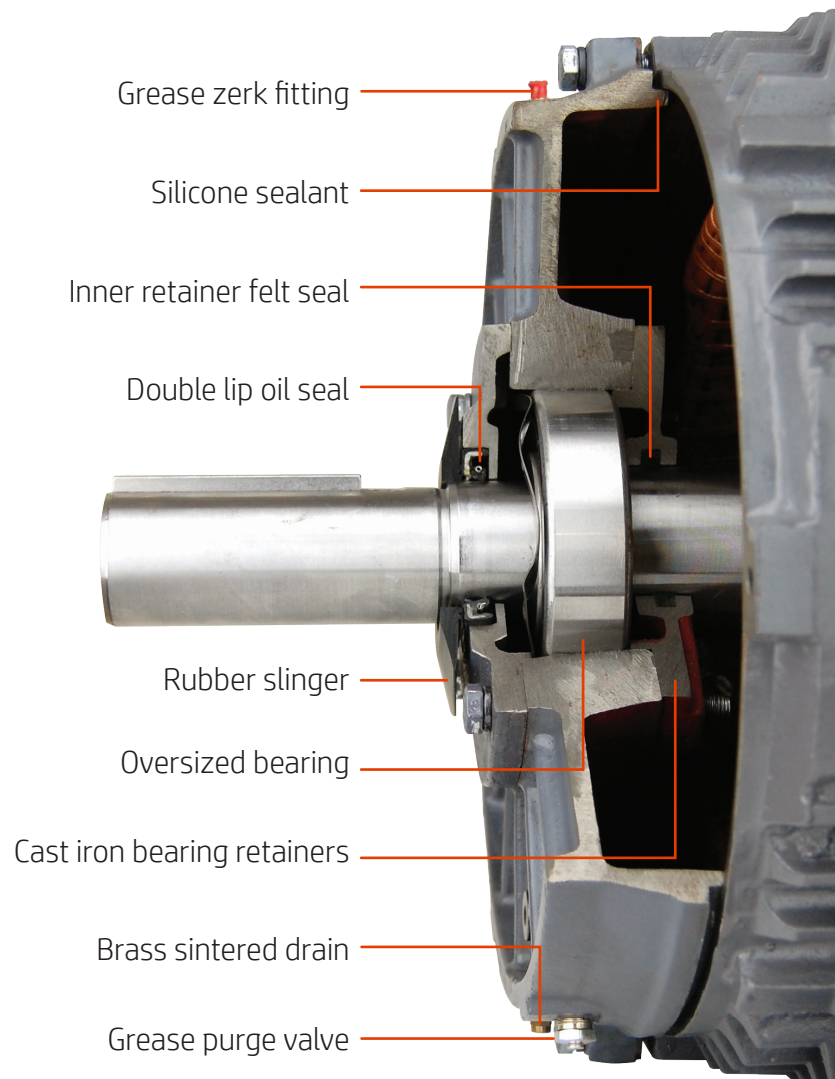
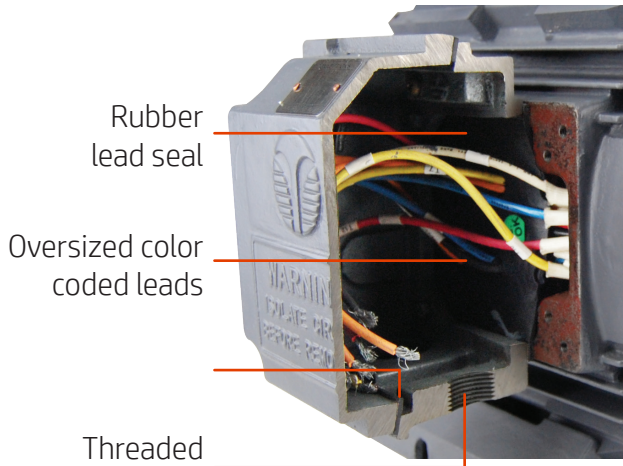


Concentric Winding is a machine wound system subject to more coil and phase overlap.

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

Ingress Protection

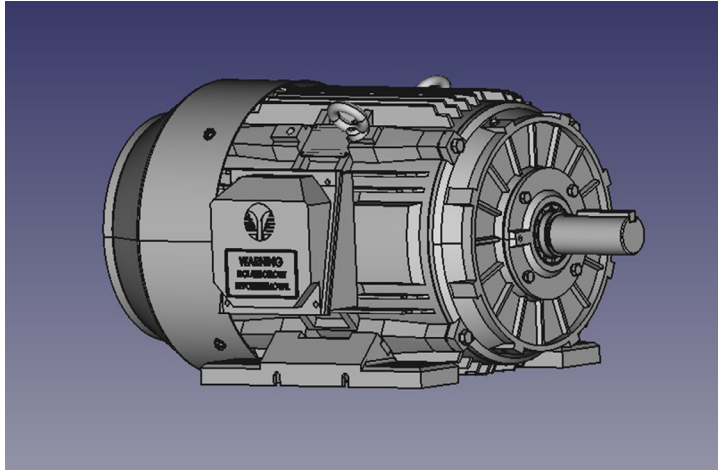
TECHTOP's standard TEFC enclosure meets severe duty IP55. An innovative approach to bearing and terminal box sealing keeps harsh environment elements outside the motor.




TECHTOP Engineering

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		Motor Model: GR3-CI-TF-145T-2-B-D-2	
40 Hz.	50 Hz.	Performance Load Values:	
horsepower	2	% Load	horsepower
Frame Size	145T	Current, Amps	Input power
Speed, RPM	3450	Speed, RPM	Efficiency, %
Voltage	230/460V	PF	
Winding	150/300V		
Full Load Amps	3.4/2.7		
Power Factor	0.85		
Minimum Efficiency	85.5		
1/3 Load Efficiency	89.2		
Service Factor	1.15		
DUTY	CONT / SS		
Full Load Temp Rise °C	47		
Enclosure	TFC		
Ambient Temperature	40°C		
NEMA Code	H		
FL Amps @ 200 V	5.9		
Insulation Class	F		
NEMA Design	B		
Mount	1.7.7		
DT Bearing	6205/2		
NTC Bearing	6205/2		
MS Non-Load	0.08/0.01		
Motor VMA 1.2-141			
Start Capacitor µF			
Run Capacitor V			
Run Capacitor µF			
Run Capacitor V			
Number of Leads	3		
Connection	Y/Y		
CEC Resistance (Ω)	0.2766		

Lacked Rotor Torque		Torque, lb-ft		Torque		Speed, RPM		Current, Amps	
Locked Rotor Torque	31.01	360.00	0	23.607					
Pull-Up Torque	1.14	160.00	26.1						
Breakdown Torque	11.01	360.00	20.01						
Full Load	3.04	100	35.00	2.580					

Speed Torque Curve

Dimensional Drawing

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

Techtop Industries
1268 Old Alpharetta Road,
Alpharetta, GA 30005
E-Mail at: info@techttop.com

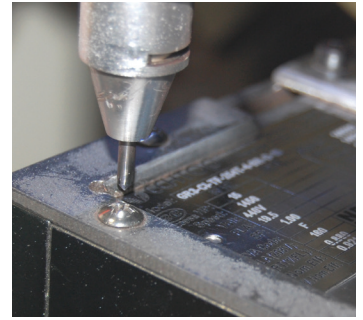
TECHTOP Modification Shop

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 USA



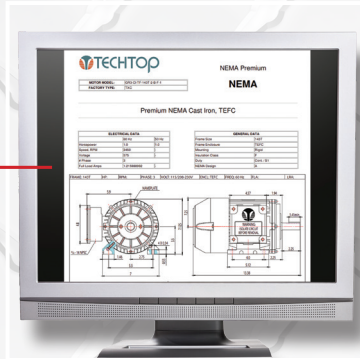
TECHTOP USA was formed in 2008 in an effort to bring service and support to America with the growing TECHTOP line. While developing the US market, we observed the motor industry was reversing in terms of design and overall quality of product. With feedback from end users, EASA shops and OEM's, we set 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

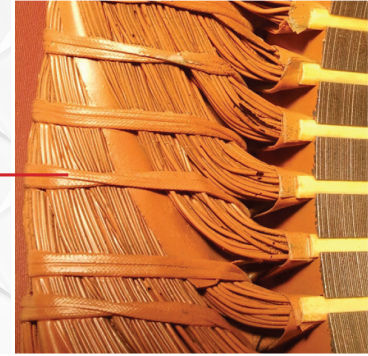


Special Features

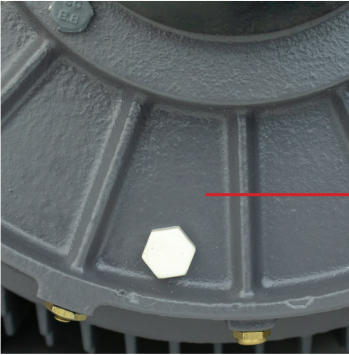
Check Inventory
Online



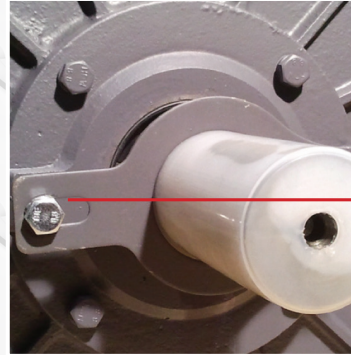
Anti-Bacterial
Coating on
Windings

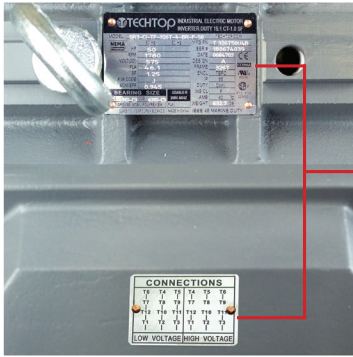


3-Part Acid Resistant
Epoxy Coating

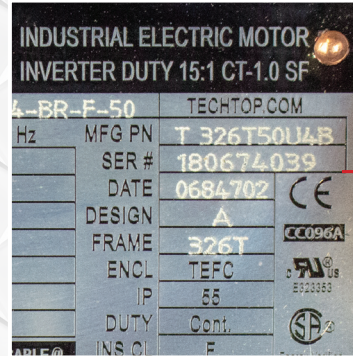


Shaft Locks
Protect Motors
in Shipping



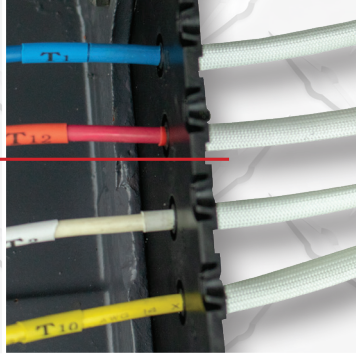


Stainless Nameplate and Separate

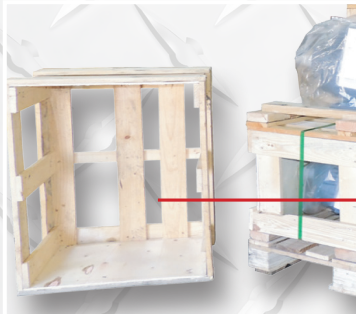
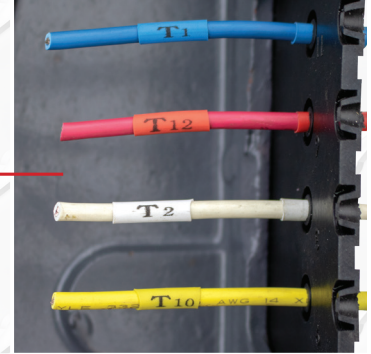


Serial Numbers also on Exterior of Crate

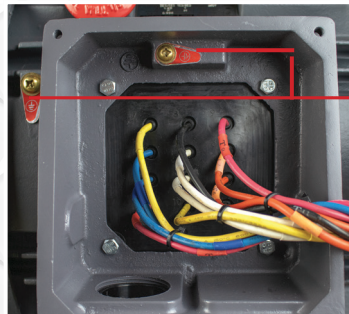
Glass Lead Sleeves



Permanent Legible Lead Markers



Reusable Crate



Dual Grounding

TECHTOP Product Line

Cast Iron Premium Series (GR3)

Three phase, NEMA premium efficient, 2,4, and 6 pole, 1 to 500HP, Inverter Rated - 15:1 Constant Torque, MG1 Part 31 Compliant for VFD use. Ideal for numerous industrial applications.



Aluminum Premium Series (GX3)

Three Phase, NEMA premium efficient, 2/4/6 Pole, 1-30 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 (GR3)

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

Cobra Aluminum Series (CB3)

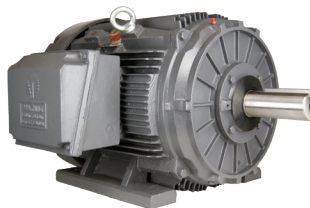
Three phase, NEMA premium efficient, 2 and 4 pole, 0.33 to 3HP, Shaft grounding brush installed, IP 55, Inverter Rated - 15:1 Constant Torque, MG1 Part 31.



Cobra Single Phase



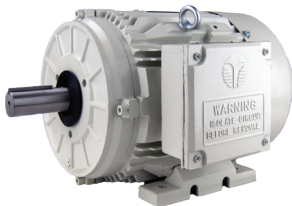
Farm Duty



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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techttopind.com

1-855-TECHTOP

