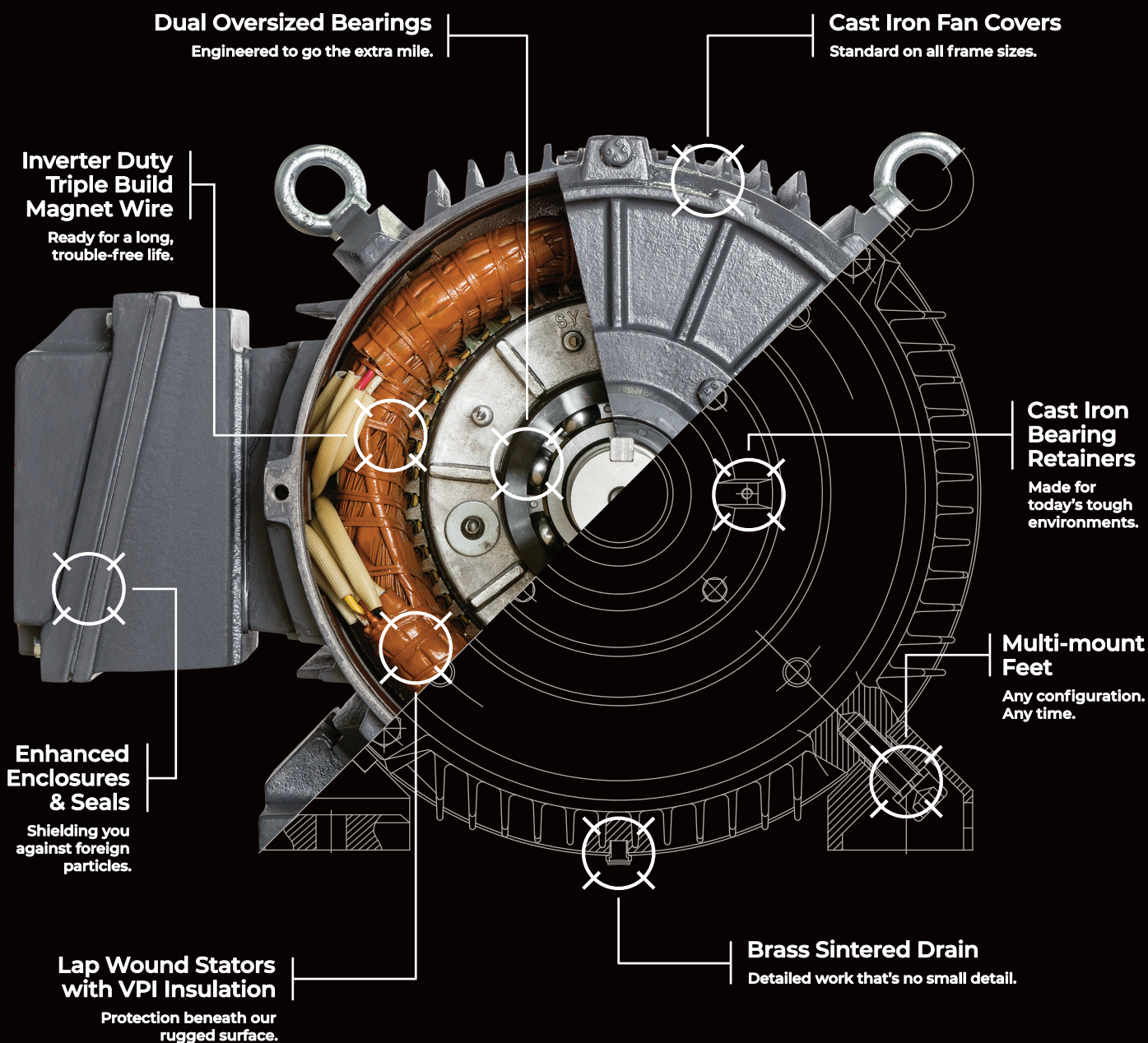




TECHTOP



**Revolutionary
by Design**

NEMA & IEC
Features and Benefits

A Global Company

Techtop China

Offering a wide array of low voltage motors, including aluminum, rolled steel and cast iron frames, Techtop China is one of the world's leading manufacturer of industrial AC induction motors. The economic success of the company is based on long-term thinking and responsible action throughout the value chain – at local, national and international levels.

Techtop has been supplying the world with reliable electric motors as an independent manufacturer since 1985.

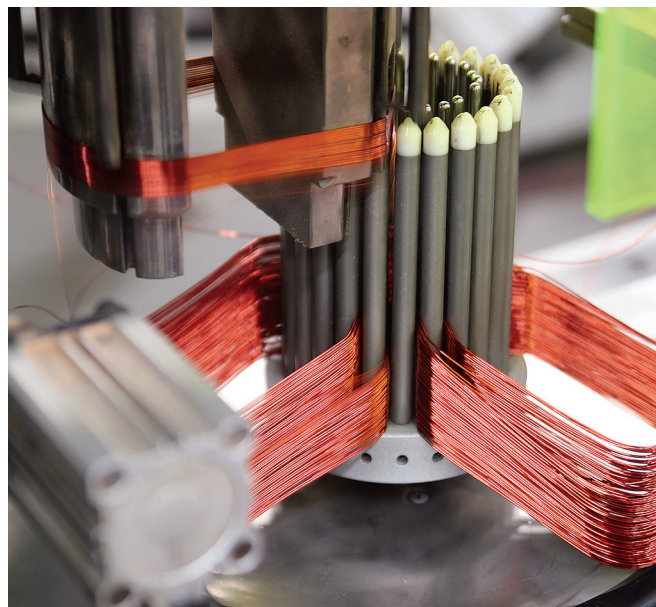
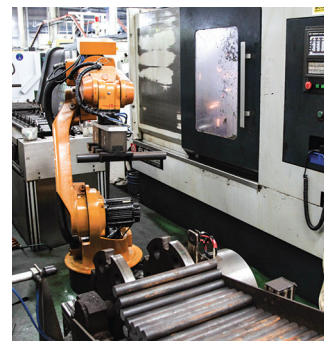
The sustaining principals of Techtop have been innovation, quality, affordability, customer service and sincere relationships. It is through this philosophy that Techtop has emerged as the best value industry leader and producer of NEMA/IEC low voltage electric motors today.

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

- Family owned global corporation since 1985
- 3 established production facilities and 10 overseas subsidiaries
- Global team of 2300+ employees
- World leader in the production of cast aluminum frame electric motors



Yin Lin, Founder of Techtop



Techtop Worldwide

UK | GERMANY | ITALY | SPAIN | UAE | SINGAPORE | CHINA | AUSTRALIA | CANADA | USA

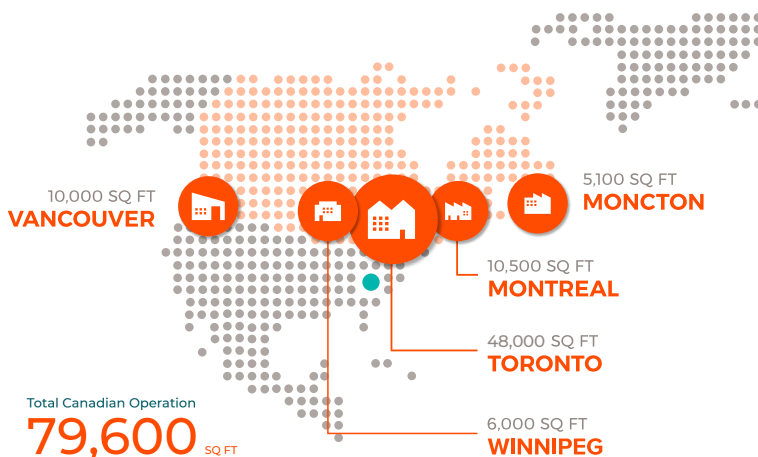
A Success Story Techtop Canada

Starting as a wholesale distributor in 1984, the people at Maple Leaf Drives (MLD) quickly established themselves as experts in electric motors who represented some of the best-known brands throughout Ontario.



Shane Hickey, VP & Joe Kelly, President

In 2013, after 4 years of distributing Techtop motors, MLD and Techtop became partners. Techtop purchased 50% of the company, and MLD became Techtop Canada—the locally managed, Canadian arm of a global leader in motor design and manufacturing. Since then, Techtop Canada has experienced amazing growth, going from 1 facility, 8 people and \$3 million in sales, to 5 nationwide facilities, 45 people and over \$27 million in sales.



1984

February 1984, Joe Kelly incorporates Maple Leaf Drives Ltd. (MLD), a wholesale distributor of electric motors and power transmission equipment

Enjoyed steady growth until early 2000's — MLD grew from Joe Kelly's basement office to a 26,000 sq. ft. facility

2000

Manufacturers represented by MLD established their own distribution facilities in Ontario. MLD faces shrinking product line offering

2008

MLD becomes the exclusive Canadian distributor for Varvel Gearboxes

2009

MLD becomes the exclusive Canadian distributor for Techtop Motors

2013

Techtop China establishes joint venture partnership 50% with MLD — MLD changes name to Techtop Canada Inc.

2014



June 2014, Techtop Canada opens Montreal, QC branch 4,500 sq. ft. — later moves Montreal, QC branch to larger 10,500 sq. ft. facility to handle rapid growth, July 2016

2015



November 2015, Techtop Canada opens 5,100 sq. ft. Moncton, NB branch

2016



June 2016, Techtop Canada opens 1st Western Canada branch in Vancouver, BC 10,000 sq. ft.

2019



Techtop Canada launches all new state-of-the-art website.

May 2019, Techtop Canada opens 2nd Western Canada and 5th Canadian branch, in Winnipeg, MB 6,000 sq. ft.

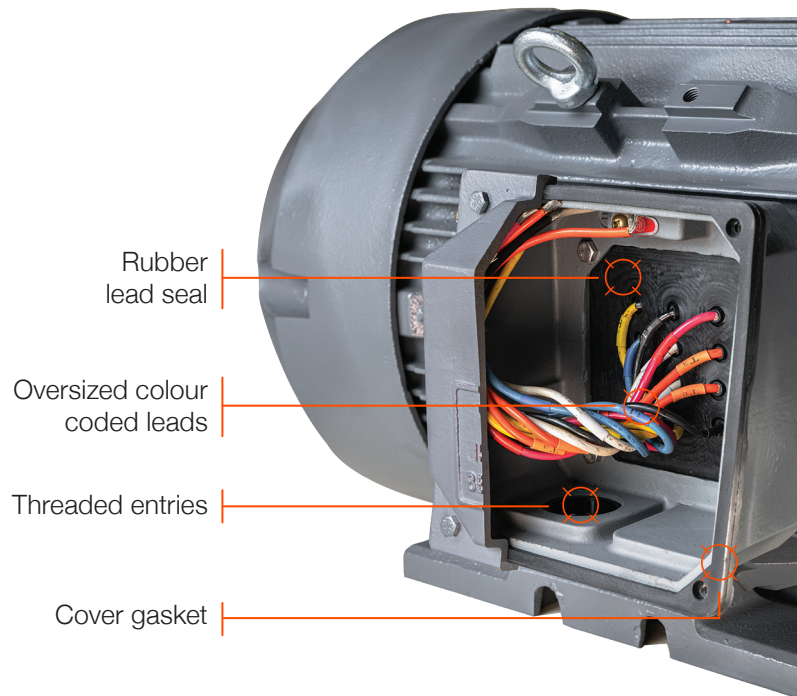
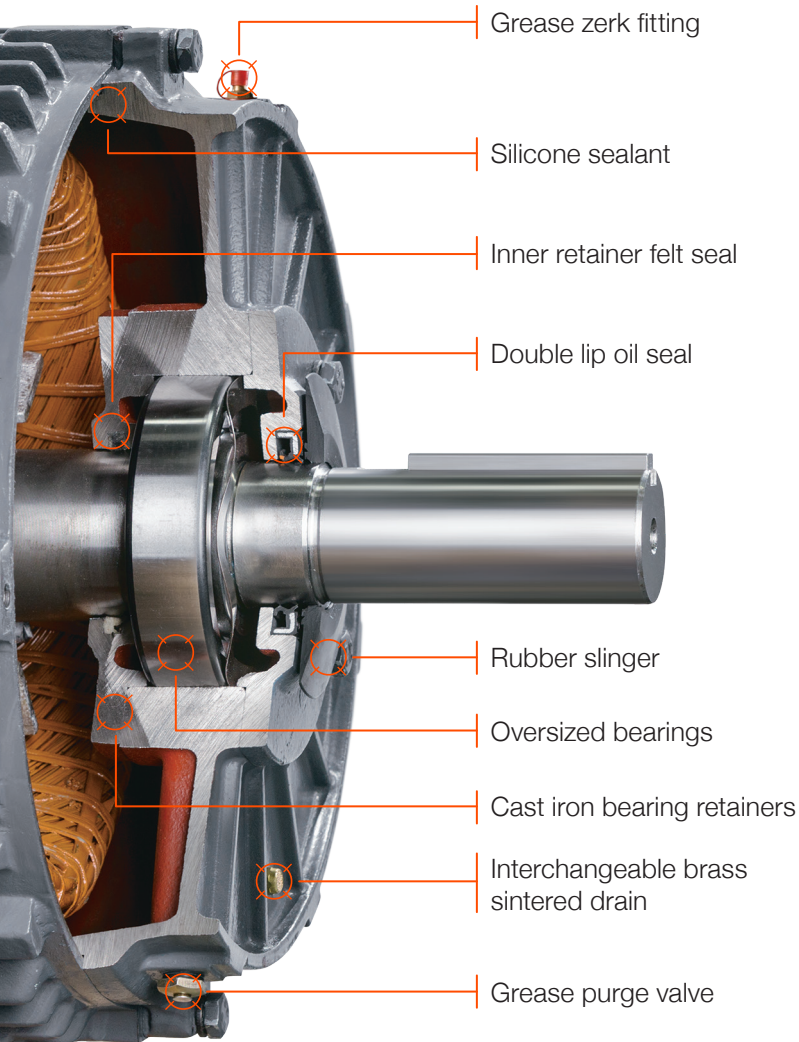
2021



Oakville Head Office expands to 48,000 sq. ft. more than doubling capacity

Engineered to **Endure**

What surrounds our motors is just as important as what's inside. The enclosures and seals on Techtop **TEFC** systems meet severe duty IP55 standards.



Ingress Protection

Contaminants and moisture can lead to early motor failure. Techtop has gone the extra mile to engineer a system of seals, gaskets and drains that protect our bearings and internal components from damage due to foreign particles. Wherever your Techtop motor finds itself, it will be protected from the environment and ready for a long and productive life.

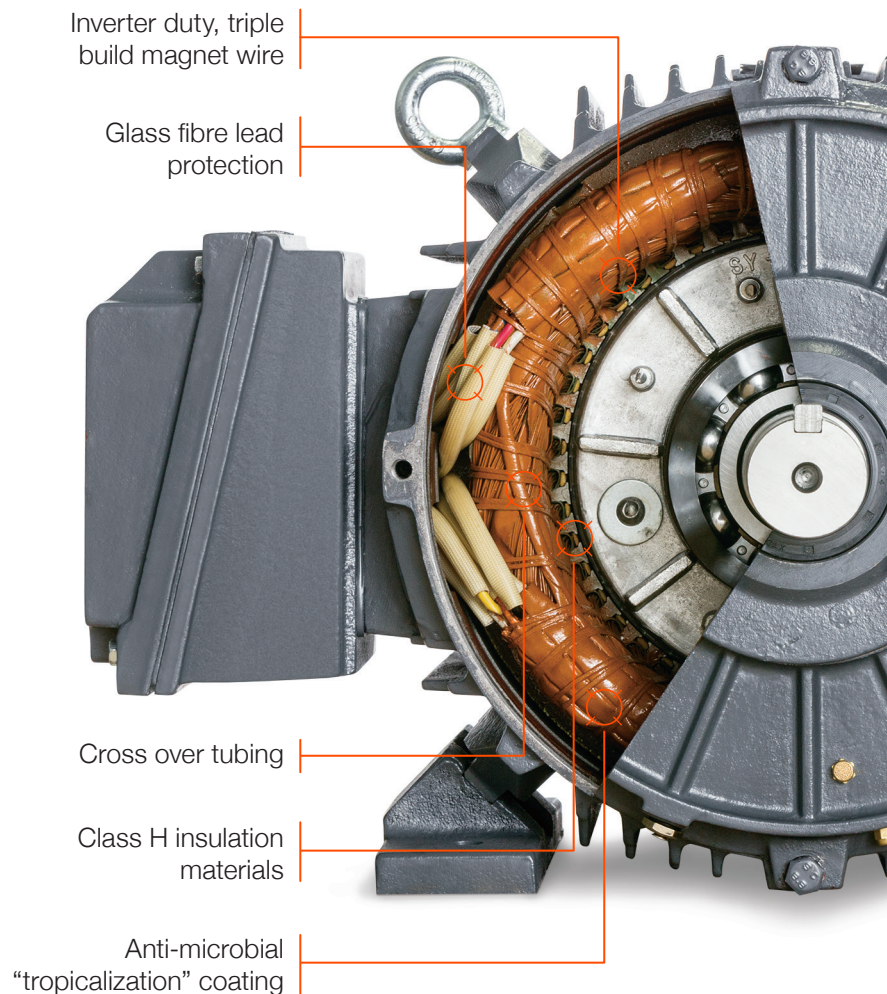
Designed to **Perform**

As variable frequency drives (VFD) become more common, it is important that motors are built to withstand the adverse effects of non-sinusoidal voltage sources and maximize the benefits of today's technology. Our efficient designs reduce temperatures when running at low speeds allowing for **15:1 constant torque turndowns**.

LAP wound stators with VPI insulation

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

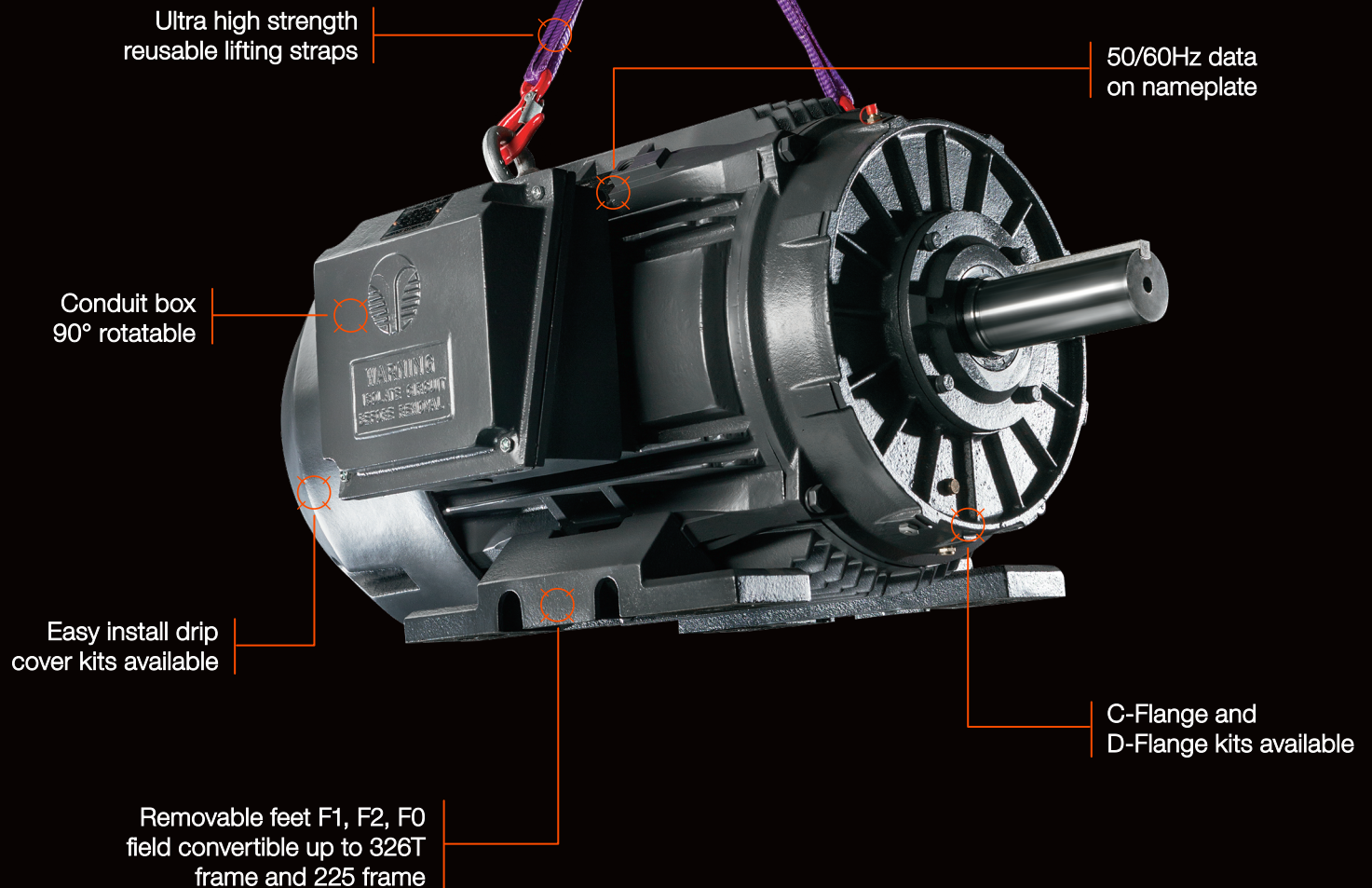
- Manually inserted coils generate less wire stress minimizing chance for first to last turn contact
- Our VPI process incorporates class H materials and provides a core penetration that eliminates any resin voids
- Motors exceed NEMA MG1 Part 31 standards



Inverter Ready

All of our motors are handcrafted from the inside out, allowing for detailed work that stands up to today's variable speed demands. Each motor consists of a precision wound stator protected with class H materials and resin sealed in a Vacuum Pressure Impregnation process. The result? Cooler temperatures at low speeds and an impenetrable shield against inverter-fed voltage spikes.

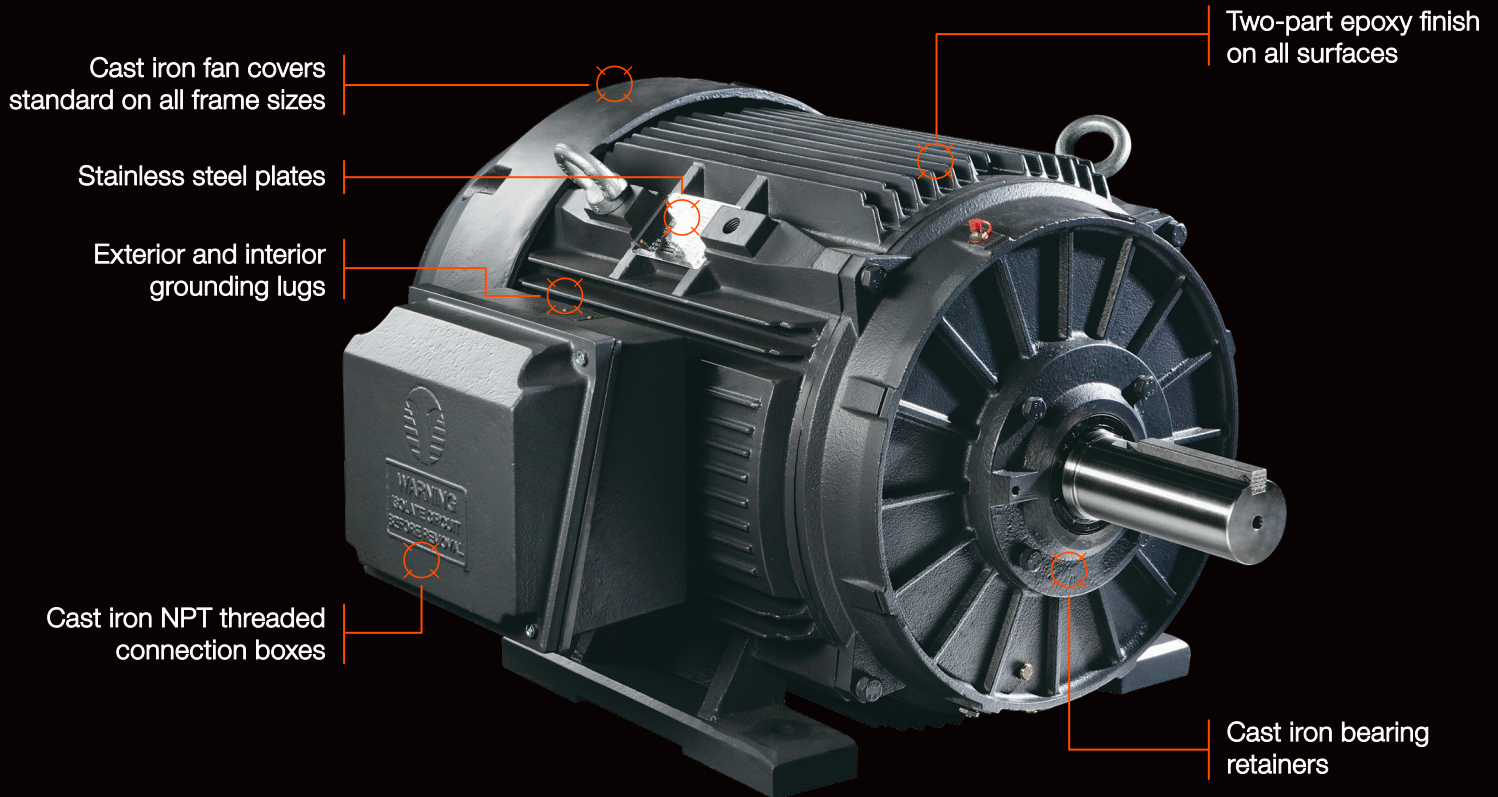
Ready to Install



Versatile & Adaptable

Techtop motors arrive ready to perform across a wide range of applications. Our removable foot configuration allows simple conversion to F1, F2, F0 and round body. Dual oversized cast iron bearing locks, inner retainer seals, face drains and bearing retention rings allow for mounting and operation in any position. Our standard winding tropicalization, inverter duty insulation system and IP55 rating allows the motor to enjoy a long operating life in almost any environment. Techtop is a true General Purpose motor with the features, benefits and performance you expect. Wherever you expect it.

Built to Last



Environment and Location Ratings

Techtop manufactures motors that meet or exceed industry standards, ensuring safety, energy efficiency and overall reliability.

- CSA Certified for Class I, Division II, Groups A, B, C and D
- Products CSA certified for Class II, Division II, Groups F and G – Available late 2019
- Meets IEEE45 Marine Duty specifications

Rugged Construction

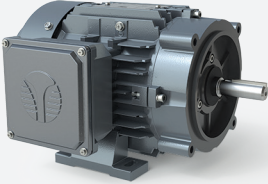
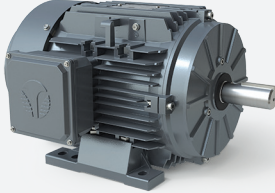
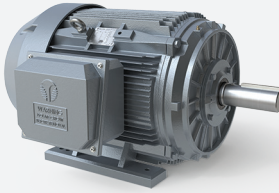

Meeting and exceeding industry standards for severe duty, Techtop cast iron motors are built to last. From our advanced bearing protection and greasing system, to dual oversized bearings and solid cast iron frame, our intelligent design is made for tough environments. Regardless of what you have going on outside, Techtop motors are fully protected and ready for a long, trouble free life.

PRODUCT RANGE

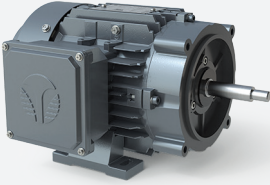
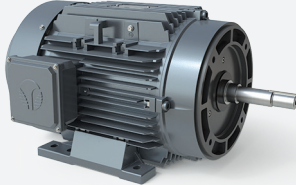

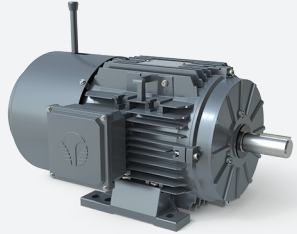
Techtop motors are designed and efficiently built to deliver premium performance with minimal environmental impact. Our Premium products comply with current energy conservation laws implemented by the U.S. DOE and NRCAN and meet NEMA Premium® efficiency levels.

NEMA
MOTORS

GENERAL PURPOSE THREE PHASE

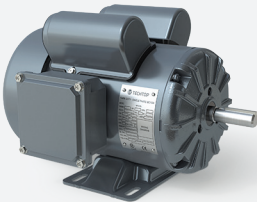
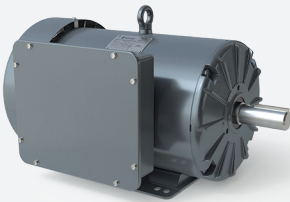

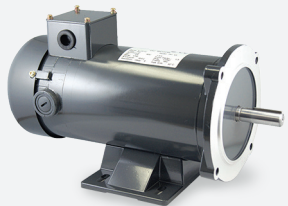
<p>EPAct & Premium 56C Aluminum Motors, TEFC</p>  <p>HP 1/3 - 5HP Pole 2, 4 and 6 Frame 56C - 56HC Enclosure TEFC</p>	<p>Premium T-Frame Aluminum Motors, TEFC</p>  <p>HP 1 - 50HP Pole 2, 4 and 6 Frame 143T - 326T Enclosure TEFC</p>	<p>Premium T-Frame Cast Iron Motors, TEFC</p>  <p>HP 1 - 250HP Pole 2, 4 and 6 Frame 143T - 449T Enclosure TEFC</p>	<p><i>New!</i> IP69K Stainless Steel Motors</p>  <p>HP 1/3 - 5HP Pole 2 and 4 Frame 56C - 140TC Enclosure TEFC & TENV</p>
--	--	---	--

PUMP MOTORS THREE PHASE

<p>EPAct & Premium 56J Jet Pump Motors, TEFC</p>  <p>HP 1/3 - 5HP Pole 2 and 4 Frame 56J - 56HJ Enclosure TEFC Other 300 Series SS Shaft</p>	<p>EPAct & Premium JM-JP Pump Motors, TEFC</p>  <p>HP 1 - 100HP Pole 2, 4 and 6 Frame 143JM/JP-405JM/JP Enclosure TEFC Other 300 Series SS Shaft</p>	<p>Premium 56C Brake Motors, TEFC</p>  <p>HP 1/3 - 3HP Pole 2, 4 and 6 Frame 56C - 56HC Enclosure TEFC Other DC Brake</p>	<p>Premium T-Frame Brake Motors, TEFC</p>  <p>HP 1 - 10HP Pole 2, 4 and 6 Frame 143T - 215T Enclosure TEFC Other DC Brake</p>
--	--	--	---

BRAKE MOTORS THREE PHASE

GENERAL PURPOSE SINGLE PHASE & FARM DUTY

<p>General Purpose Single Phase Motors, TEFC</p>  <p>HP 1/4 - 10HP Pole 2 and 4 Frame 56 - 215T Enclosure TEFC</p>	<p>Farm Duty Single Phase Motors, TEFC</p>  <p>HP 1/3 - 10HP Pole 4 Frame 56 - 215T Enclosure TEFC Other Manual Reset O/L</p>	<p>Farm Duty Single Phase Auger Motors, TEFC</p>  <p>HP 1/3 - 1.5HP Pole 4 Frame 56Y - 56HY Enclosure TEFC Other Mech. or Elec. Switch</p>	<p>Permanent Magnet DC Motors</p>  <p>HP 1/8 - 3HP Pole 4 Frame 56C - 145TC Enclosure TEFC & TENV</p>
---	---	---	--

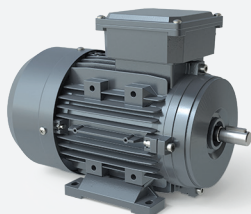
PMDC

You can't top a  **TECHTOP**

IEC MOTORS

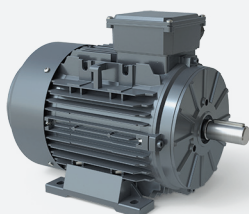
GENERAL PURPOSE THREE PHASE

Metric IE1 Aluminum Motors, TEFC



kW 0.09 - 1.5kW
Pole 2, 4 and 6
Frame 56 - 80
Enclosure TEFC

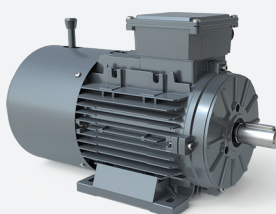
Metric IE3 Premium Motors, TEFC



kW 0.75 - 160kW
Pole 2, 4 and 6
Frame 90S - 315L Frame
Enclosure TEFC

BRAKE MOTORS THREE PHASE

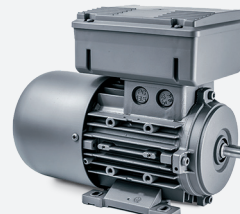
Metric IE1/IE3 Brake Motors, TEFC



kW 0.09 - 7.5kW
Pole 2, 4 and 6
Frame 63 - 132M
Enclosure TEFC
Other DC Brake

GENERAL PURPOSE SINGLE PHASE

Metric Single Phase Motors, TEFC



kW 0.09 - 2.2kW
Pole 2 and 4
Frame 56 - 100L
Enclosure TEFC
Other Mechanical Switch

AC DRIVES

Topdrive20 Series
Vector Control Micro Drives



HP 0.50 - 3HP
Volts 115V, 230V, 460V
Phase Single & Three
Enclosure IP20 or NEMA 1

Topdrive310 Series
Gen. Purpose Vector Control



HP 1 - 100HP
Volts 230V, 460V, 575V
Phase Three
Enclosure IP20 or NEMA 1

New! Topdrive350 Series
High Perf. Multi Function Control

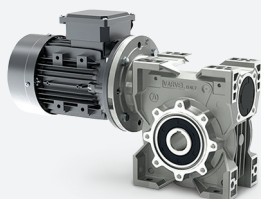


HP 1 - 150HP
Volts 220V, 460V, 575V
Phase Three
Enclosure IP20 or NEMA 1



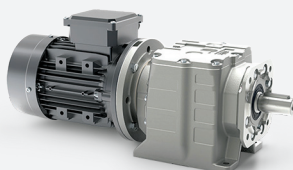
GEARING
VARVEL
EXCLUSIVE SUPPLIER

RT Right Angle Worm
Gear Reducers



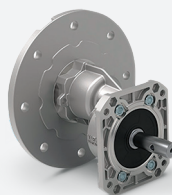
Sizes RT28 - RT110
Options Inches and Metric
Material Aluminum/Cast Iron
Power 0.12 - 10HP
Ratios 5:1 - 10,000:1

RD Helical Inline
Gear Reducers

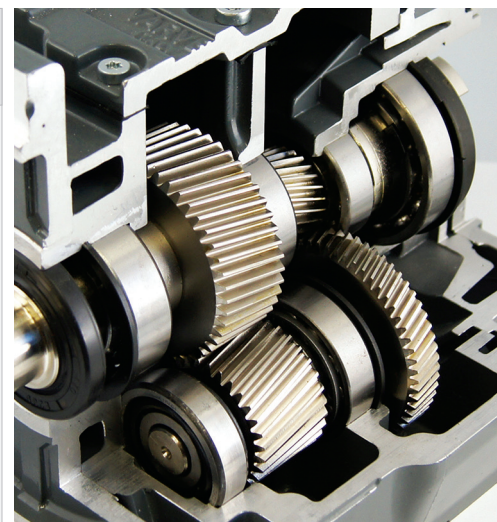


Sizes RD0 - RD6
Options Inches and Metric
Material Aluminum/Cast Iron
Power 0.12 - 30HP
Ratios 2.5:1 - 630:1

RP Farm Feeding
Auger Reducers



Sizes RP90
Options 56C & 56Y
Material Aluminum
Power 0.25 - 2HP
Ratios 4.71:1 - 7:1



Move Forward Faster



WHERE YOU NEED US.
WHEN YOU NEED US.

Techtop is about more than making great motors. We invest heavily in product inventory to support our growing community of distributors, and believe high-quality parts and service should be readily available across Canada.

To us, making our product available when and where you need them most is of utmost importance. That's why most of our products come with an In-stock Guarantee. Simply put, if it's in our catalogue, chances are it's on our shelf, ready to ship. **If it's not in stock, we'll ship it for free. Give us a call to see if your order qualifies.**



TOPMOD

New! Motor Modifications

We can create the perfect solution to meet your unique specifications and stringent application requirements. We now specialize in custom electrical and mechanical modifications and conversions of electric motors in different power and voltage ranges, regardless of whether they are single phase, three-phase, NEMA or IEC designs. Techtop is your expert when it comes to crucial, on-demand solutions.

BEARINGS

- Bearing Changes
- Hybrid Ceramic Bearings
- Low or High Temperature Bearing Grease

SHAFTS

- Short Shaft TS Conversions
- Custom Designed Shafts
- Metric Shaft Conversions
- Drill and Tap Shaft

ELECTRICAL

- Winding Thermistors (PTC), Thermostats, RTD's
- Space Heaters
- Bearing RTD's
- Lead Extensions
- Rewind for Voltage or Insulation Change

INGRESS PROTECTION

- Chico/Pot Connection Box
- Inpro Seal Installation
- IP56 or IP65 Conversions

MECHANICAL

- Terminal Block Installation
- Remove/Cut Feet
- TEAO/TENV Conversion
- F1-F2-F3 Conversion
- Drip Cover + Installation
- AEGIS® Ring + Installation
- Auxiliary Connection Box
- Special Balancing
- Carbon Brush + Installation
- Nameplate Change or Addition

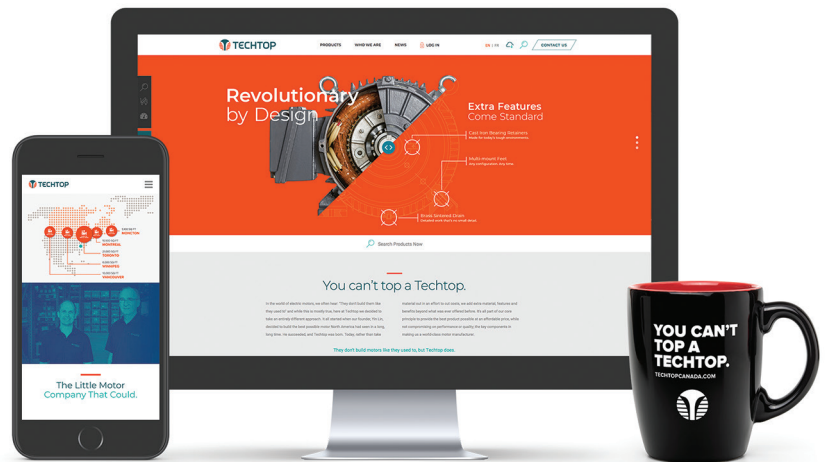


New!

TechtopCanada.com

We're proud to announce that Techttop Canada's new website has launched and it's better than ever, with quick and easy access to all product information, technical data, inventory status, and a whole lot more. There's even a customized search function that will help you find exactly what you're looking for in record time.

By being the industry experts, stocking the products and accessories you need, and by making your purchasing experience convenient and hassle-free, we make sure you'll keep coming back, time and time again.



TOPDRIVES

New! Techttop AC Drives

Techtop Canada now offers a wide portfolio of intelligent, full-featured variable frequency drives designed to cover your automation application needs.

Proven to exceed industry standards, these VFDs provide great performance and efficiency while saving space, improving safety and maintaining operation of your critical systems.



We're Here to Help.

TORONTO

TF 1.888.286.1820
P 905.829.1001

info@techtopcana.com

#1 - 2795 Brighton Road
Oakville, ON L6H 6J4

MONTREAL

TF 1.844.354.5111
P 514.354.1002

infoQC@techtopcana.com

#100-9360 Boulevard Des
Sciences, Anjou, QC H1J 3A9

VANCOUVER

P 604.525.1551

infoBC@techtopcana.com

#2 - 5895 Trapp Avenue
Burnaby, BC V3N 5G2

WINNIPEG

P 204.633.2779

infoMB@techtopcana.com

#8 - 20 Ronn Road
Winnipeg, MB R3C 2E6

MONCTON

P 506.386.5794

infoNB@techtopcana.com

#10 - 68 Desbrisay Avenue
Moncton, NB E1E 0G8



WHERE YOU NEED US.
WHEN YOU NEED US.

TechtopCanada.com

**You can't top
a Techttop.**