



# NAE Motors Line Card

## Motors Made Easy.

No matter what industry – agriculture, construction, aggregate, material handling, oil and gas, irrigation, wastewater, food processing, or manufacturing – we know every moment of downtime reduces productivity and impacts the bottom line. That’s why we still live by our founding customer-centric philosophy -providing quality products, a large selection of in-stock inventory, and fast shipping, all backed by exceptional customer support.



**WORLDWIDE**  
ELECTRIC CORPORATION



**Responsive**  
Service & Technical Support



**Quality Products**  
Competitive Pricing



**In Stock Availability**  
Warehouses Nationwide



**Fast Shipping**  
Same-Day Available

# Vertical Hollow Shaft Motors

## V Series by North American Electric

Three-phase, Open Weather-Protected Premium efficient Motors for Deep Well Turbine Pump Applications

The Vertical Hollow Shaft (VHS) Pump Motors are specifically designed for deep well turbine pump applications. Equipped with a coupling that includes a non-reverse ratchet, these motors prevent backspin at shutdown, ensuring reliable performance. NAE's VHS motors are built to NEMA standards and feature specialized bearing arrangements to handle heavy thrust loads, providing optimal operation.

### Product Features

- 10 HP - 250 HP; 4 Pole
- Service factor: 1.15 @ 60 Hz
- NEMA Design B Performance
- High/ Extra High Thrust
- V1 Series - Inverter Rated (10:1 VT)
- V2 Series - Inverter Duty (20:1 VT)
- Light weight hood for easy access lifting provisions
- Oversized angular contact bearing and ball bearing
- Non-reverse ratchet (ball type)
- 2-year warranty (extended warranty available)
- Class F insulation system; Class B rise at full load;
- Class H vacuum pressure impregnation (VPI) resin for all windings
- Stainless steel nameplate and zinc plated hardware, corrosion resistant epoxy paint
- Enclosure: WP1-open weather-protected machine type 1
- Cast iron/ plate steel frame construction



**NEMA**  
Premium

**UL**  
US

**ISO9001**  
CERTIFIED

## GENERAL PURPOSE MOTORS



**GENERAL PURPOSE  
INVERTER DUTY MOTORS**  
1 HP—300 HP; 2, 4, 6 or 8-Pole  
- NEMA Design B  
- Totally Enclosed Fan Cooled or ODP  
- Inverter Duty (20:1 VT; 10:1 CT)



**ROUND BODY MOTORS**  
1 HP—30 HP; 4-Pole; 1800 RPM  
- C-Flange without Feet  
- Totally Enclosed Fan Cooled  
- Inverter Duty (20:1 VT; 10:1 CT)



**CRUSHER DUTY MOTORS**  
1 HP—600 HP; 4, 6 or 8-Pole  
- NEMA Design C  
- Totally Enclosed Fan Cooled  
- Inverter Duty (20:1 VT; 10:1 CT) (143T - 505UZ)  
- Inverter Rated (10:1 VT; 5:1 CT) (586/7UZ)



**WASHDOWN DUTY MOTORS  
STAINLESS STEEL, TEFC & TENV**  
1/3 HP—20 HP; 2, 4 or 6-Pole  
- C-Flange w/ Feet or Round Body  
- Inverter Duty (20:1 VT; 10:1 CT)



**CLOSE COUPLED  
PUMP MOTORS**  
1 HP—75 HP; 2 or 4-Pole  
- Totally Enclosed Fan Cooled  
- Inverter Duty (20:1 VT; 10:1 CT)

## SPECIAL PURPOSE MOTORS



**EXPLOSION PROOF MOTORS**  
1—250 HP; 2, 4 or 6-Pole  
- All Motors Meet or Exceed  
- UL 674 Specification As Required  
By OSHA For Installation and Use  
In Hazardous Locations  
- Totally Enclosed Explosion Proof  
(TEXP)  
- Inverter Rated (10:1 VT; 5:1 CT)



**OIL WELL PUMP MOTORS, TEFC**  
2 HP—150 HP; 6 or 8-Pole  
- NEMA Design D; High Slip  
(5%—8% Slip)  
- Special Purpose Oil Well  
Pump Motors  
- Inverter Duty (20:1 VT; 10:1 CT)



**OIL WELL PUMP MOTORS, ODP**  
- 7.5 HP—100 HP; 6-Pole  
- NEMA Design D; High Slip  
(5%—8% Slip)  
- Special Purpose Oil Well Pump  
Motors  
- Inverter Duty (20:1 VT; 10:1 CT)



**ROTARY PHASE CONVERTER  
MOTOR**  
3 HP—60 HP; 4-Pole  
- For Use with Rotary  
Phase Converters  
- To Run Three Phase Equipment  
From Single Phase Power  
- Totally Enclosed Fan Cooled



**VERTICAL HOLLOW SHAFT  
PUMP MOTORS**  
10 HP—250 HP; 4-Pole  
- Extra High Thrust available  
- V1 Series - Inverter Rated (10:1 VT)  
- V2 Series - Inverter Duty (20:1 VT)  
w/ insulated bearing mounts from  
40HP - 250HP

## MOTOR ACCESSORIES



### NAE OFFERS A WIDE RANGE OF MOTOR ACCESSORIES

- Motor Slide Bases
- Flange Kits
- Conversion Kits
- Vertical Hollow Shaft Replacement Parts:
  - Ratchet Assembly
  - Lubriport Sight Glass
  - Alternative Bases
  - Motor Couplings
  - Top Cover

## SHAFT MOUNT GEAR REDUCER & ACCESSORIES



**SHAFT MOUNT GEAR REDUCER**  
2 to 10 Box size In-stock  
- Gear Ratio: 15:1 or 25:1  
- "Drop-In" for Dodge® TXT Style



### NAE OFFERS A WIDE RANGE OF SMR ACCESSORIES

- Bushing Kit
- Backstops
- Motor Mounts
- Torque Arms
- Belt Guard
- Screw Conveyor
- Drive Shafts
- Repair Kits