

## GENERAL PURPOSE MOTORS



### SINGLE PHASE, 56C FRAME, TEFC

- 1/3 HP—2 HP; 2 or 4-Pole
- High Starting Torques
  - Capacitor Start / Capacitor Run Design
  - Rolled Steel Construction
  - Removable Feet



### THREE-PHASE, 56C FRAME, TEFC

- 1/3 HP—3 HP; 2 or 4-Pole
- High Starting Torque
  - Rolled Steel Construction
  - Removable Feet



### THREE-PHASE, TEFC

- 1 HP—10 HP; 2 or 4-Pole
- High Starting Torque
  - Rolled Steel Construction



### SINGLE PHASE, FARM DUTY, TEFC

- 1/3 HP—10 HP; 2 or 4-Pole (2 pole in 5 HP Only)
- High Starting Torques
  - Manual Overload Protection (1/3 HP—5 HP)
  - Capacitor Start / Capacitor Run Design
  - Rolled Steel Construction



### SINGLE PHASE, COMPRESSOR DUTY, OPEN DRIP PROOF

- 3 HP—5 HP; 2 or 4-Pole
- High Starting Torque
  - Capacitor Start / Capacitor Run Design
  - Rolled Steel Construction



### THREE-PHASE, OPEN DRIP PROOF

- 1 HP—20 HP; 2 or 4-Pole
- High Starting Torque
  - Rolled Steel Construction



### ALUMINUM FRAME INVERTER DUTY MOTORS

- 1 HP—10 HP; 2 or 4-Pole
- Totally Enclosed Fan Cooled
  - Inverter Duty (20:1 VT; 10:1 CT)



### 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)

## SPECIAL PURPOSE MOTORS



### 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)



### 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

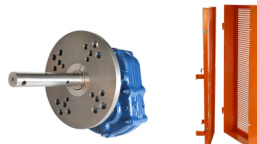
- Motor Slide Bases
- Flange Kits
- Conversion Kits
- Vertical Hollow Shaft Replacement Parts:
  - Ratchet Assembly
  - Alternative Bases
  - Top Cover
- Lubriport Sight Glass
- Motor Couplings

## 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



## MOTOR CONTROLS



**SAFETY SWITCHES – HEAVY DUTY**  
 30 AMP – 1200 AMP  
 480 VAC / 600 VAC  
 - 3-Pole / 3-Wire / Non-Fused or Fused  
 - NEMA 3R Enclosure



**ACROSS THE LINE STARTERS**  
 NEMA 1 – NEMA 5  
 - NEMA Rated Contactor  
 - Circuit Breaker or Fused w/  
 Flanged Disconnect



**PART WIND STARTERS**  
 10 HP – 200 HP  
 - IEC Rated Contactors  
 - Circuit Breaker or Fused  
 - NEMA 3R Enclosure



**SOFT STARTERS - ECONOMY**  
 3RW40 Series  
 General Purpose, Irrigation or  
 Washdown Applications  
 15 HP – 75 HP  
 - Siemens 3RW40 Series Chassis  
 - Normal Duty or Heavy Duty  
 - Circuit Breaker  
 - NEMA 3R, 4/12 or 4X Enclosure



**SOFT STARTERS - ECONOMY & STANDARD**  
 3RW50 Series  
 General Purpose or  
 Washdown Applications  
 30 HP – 400 HP  
 - Siemens 3RW50 Series Chassis  
 - Normal Duty or Heavy Duty  
 - Circuit Breaker  
 - NEMA 3R, 4/12 or 4X Enclosure



**SOFT STARTERS - ECONOMY & STANDARD**  
 3RW52 Series  
 General Purpose or  
 Washdown Applications  
 3 HP – 400 HP  
 - Siemens 3RW52 Series Chassis  
 - Normal Duty or Heavy Duty  
 - Circuit Breaker  
 - NEMA 3R, 4/12 or 4X Enclosure



**SOFT STARTERS - ECONOMY & STANDARD**  
 3RW55 Series  
 General Purpose or  
 Washdown Applications  
 3 HP – 1000 HP  
 - Siemens 3RW55 Series Chassis  
 - Normal Duty or Heavy Duty  
 - Circuit Breaker  
 - NEMA 3R, 4/12 or 4X Enclosure



**SOFT STARTERS - CRUSHER/ULTRA**  
 20 HP – 800 HP  
 - SAF MS6 Series Devices  
 - Ultra Heavy Duty (500% FLA for  
 30 Seconds)  
 - Integral bypass with Full  
 Start-Rated Contactor  
 - Circuit Breaker  
 - NEMA 3R or 4/12 Enclosure



**VFD-ECONOMY**  
 1 HP – 800 HP Variable Torque  
 ½ HP – 600 HP Constant Torque  
 - Siemens G120 or G120X Drive  
 - Circuit Breaker or Fused  
 - NEMA 3R, 4, 4X or 12 Enclosure



**VFD-STANDARD**  
 1 HP – 800 HP Variable Torque  
 ½ HP – 600 HP Constant Torque  
 - Siemens G120 or G120X Series Drive  
 - Circuit Breaker or Fused  
 - NEMA 3R, 4, 4X or 12 Enclosure



**VFD-WASHDOWN/STAINLESS**  
 1 HP – 200 HP Variable Torque  
 ½ HP – 150 HP Constant Torque  
 - Siemens G120 or G120X  
 Series Drive  
 - Circuit Breaker or Fused  
 - NEMA 4X Enclosure



**VFD-IRRIGATION**  
 1 HP – 800 HP  
 - Siemens G120X Series Drive  
 - 24/7 Programmable &  
 0-10 Backspin Timer  
 - Variable Torque  
 - Circuit Breaker or Fused  
 - NEMA 3R Enclosure



**VFD-SUBMERSIBLE**  
 ½ HP – 200 HP  
 - Siemens G120X Series Drive  
 - 24/7 Programmable &  
 0-10 Backspin Timer  
 - Variable Torque  
 - Circuit Breaker or Fused  
 - NEMA 3R Enclosure



**VFD-POSITIVE DISPLACEMENT PUMP**  
 3 HP – 600 HP  
 - Circuit Breaker  
 - NEMA 3R Enclosure



**VFD-BEAM PUMP**  
 1 HP – 200 HP  
 - Siemens G120X Series Drive  
 - ReGen Avoidance  
 - Constant Torque  
 - Circuit Breaker  
 - NEMA 3R Enclosure

## CUSTOM PANELS

### Motor Controls Panel Customization Made Easy



NAE Motor Controls offers customers the ability to custom configure and order their control panel to meet their specific needs and have it shipped quickly. All NAE packaged panels are backed by our 2 year warranty and eligible for up to 6 years of protection with the "NO Hassle" Chassis Exchange program.



Visit our website at [www.naemotors.com](http://www.naemotors.com) to learn more about our "No Hassle" Chassis Exchange program.