



V2-100D4-W40416A

VERTICAL HOLLOW SHAFT MOTOR
NEMA PREMIUM EFFICIENCY
INVERTER DUTY 20:1 VT
INCLUDES INSULATED BEARING MOUNT - 40 HP AND ABOVE
HIGH THRUST DESIGN
THREE PHASE, OPEN DRIP PROOF (WP1) ENCLOSURE
NON-REVERSE BALL TYPE RATCHET

PERFORMANCE DATA

| HP | RPM | Frame | Voltage | Frequency (Hz) | Full Load S.F. | Insulation Class | NEMA Design | Slip (%) | NEMA Code | Enclosure Type | IP Rating | Max. Ambient | Rating CONT |
|-----|------|-------|---------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|-------------|
| 100 | 1788 | 404TP | 230/460 | 60 | 1.15 | F | B | 0.7 | H | WP1 | 23 | 40° C | S1 |

| Amps (460V) | | Efficiency (%) | | | | | Power Factor | | | Torque (ft-lb) | | | Down Thrust | Angular Contact Bearing | Radial Ball Bearing | Connection | Weight (lbs.) |
|-------------|-------|----------------|------|------|------|------|--------------|------|-------|----------------|-------|------|-------------|-------------------------|---------------------|------------|---------------|
| FLA | LRA | 100% | 75% | 50% | Min. | 100% | 75% | 50% | FLT | LRT % | BDT % | 6700 | UPPER | BOTTOM | 12 Lead 2Δ/Δ | 1726 | |
| 112.0 | 818.0 | 95.4 | 94.0 | 92.0 | 94.5 | 0.88 | 0.88 | 0.82 | 292.0 | 220 | 240 | | 7230B | 6317 | | | |

NAME PLATE

| | | | | | | | | | | | | | |
|---|------|------------------|-------|---|-------|-------------------|-----------|--------------------------------|--|----|--|--|--|
| | | | | VERTICAL HOLLOW SHAFT ELECTRIC MOTOR | | | | CONNECTION DIAGRAMS | | | | | |
| INVERTER DUTY 20:1 VT | | | | HIGH THRUST DESIGN | | | | 208-230V | | | | | |
| MODEL | | V2-100D4-W40416A | | PHASE | | 3 | | Hz | | 60 | | | |
| HP | 100 | FRAME | 404TP | VOLTS | | 230/460 | | | | | | | |
| DESIGN | B | CODE | H | AMPS | | 224/112 | | | | | | | |
| NOM EFF. | 95.4 | P.F. | 0.88 | INSULATION CLASS | | F | | | | | | | |
| RATING CONT | S1 | S.F. | 1.15 | MAX AMB. | 40° C | WEIGHT | 1726 LBS. | | | | | | |
| DOWN THRUST | | 6700 | | ENCLOSURE TYPE | | WP1 | | | | | | | |
| UPPER BEARING | | 7230B | | BOTTOM BEARING | | 6317 | | | | | | | |
| OIL CAP. UPPER BEARING | | 4.76 QTS | | LUBRICATION | | MOBILE POLYREX EM | | | | | | | |
| NON-REVERSE RATCHET - BALL TYPE | | | | SERIAL NO. | | | | | | | | | |
| Specifically designed for use on deep well turbine pump applications. | | | | | | | | PART WIND START CAPABLE @ 230V | | | | | |
| Hernando, Mississippi | | | | | | | | | | | | | |

APPLICATIONS:

Specifically designed for use on deep well turbine pump applications. The coupling is equipped with a non-reverse ratchet, which prevents motor rotation from backspin at shutdown. These motors are built to NEMA standards and have special bearing arrangements to carry heavy thrust loads.