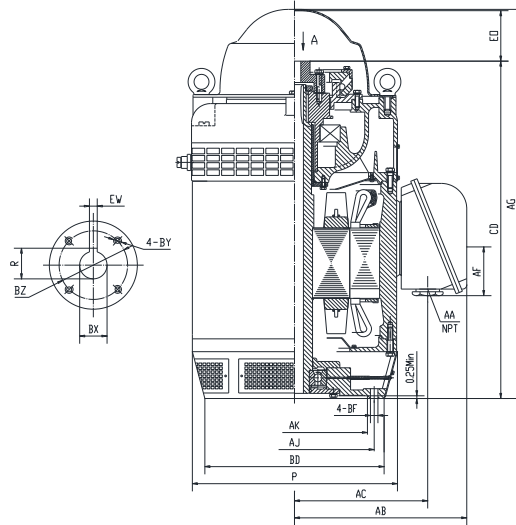




**V1-60D4-W36416A**

**VERTICAL HOLLOW SHAFT MOTOR**  
**NEMA PREMIUM EFFICIENCY**  
**INVERTER RATED 10:1 VT**  
**HIGH THRUST DESIGN**  
**THREE PHASE, OPEN DRIP PROOF (WP1) ENCLOSURE**  
**NON-REVERSE BALL TYPE RATCHET**  
**COUPLING INCLUDED**



**DIMENSIONS**

| HP | RPM  | Frame | MOUNTING DIMENSIONS |       |      |      |       |      |      |       |        |       |      |       |    |      |
|----|------|-------|---------------------|-------|------|------|-------|------|------|-------|--------|-------|------|-------|----|------|
|    |      |       | BD                  | AJ    | AK   | BF   | BX    | BZ   | EW   | R     | BY     | CD    | E0 > | AC    | AA | AF   |
| 60 | 1785 | 364TP | 16.5                | 14.75 | 13.5 | 0.69 | 1-1/4 | 1.75 | 0.25 | 1.366 | 1-4/20 | 31.16 | 4.56 | 12.56 | 3  | 5.83 |

| OVERALL DIMENSIONS |       |    | BEARINGS |       |
|--------------------|-------|----|----------|-------|
| P                  | AB    | AG | UPPER    | LOWER |
| 19.1               | 16.32 | 36 | 7224B    | 6314  |

**COUPLING:** Motor comes with a 1.25" coupling. You may select a different size coupling at no extra charge.

**BEARING LUBRICATION:** The lower bearing comes lubricated with Mobil Polyrex EM Polyurea Grease.

**OIL RESERVOIR:** Motor is shipped without oil. The oil capacity is 1.94 quarts.

**STEADY BUSHING:** Motor is designed to accept a steady bushing. The bore size is 1-1/4 inches.





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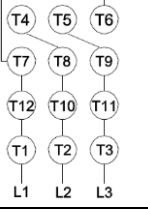



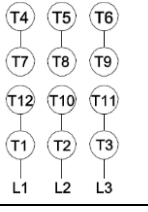

### PERFORMANCE DATA

| 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 |
|----|------|-------|---------|----------------|----------------|------------------|-------------|----------|-----------|----------------|-----------|--------------|-------------|
| 60 | 1785 | 364TP | 230/460 | 60             | 1.15           | F                | B           | 0.81     | 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 % | 5600        | UPPER                   | LOWER               | 12 Lead 2Δ/Δ | 1024          |
| 68.3        | 530 | 95.0           | 94.8 | 93.9 | 94.1 | 0.87         | 0.84 | 0.76 | 174            | 230   | 265   |             | 7224B                   | 6314                |              |               |

### NAME PLATE

|  |         |           |            |               |     |   |   |   |
|--|---------|-----------|------------|---------------|-----|---|---|---|
|  <b>VERTICAL HOLLOW SHAFT HIGH THRUST DESIGN</b>  |         |           |            |               |     | CONNECTION DIAGRAMS   |   |   |
| MODEL V1-60D4-W36416A  |         |           |            |               |     | FRAME 364TP   |   |   |
| Hz   | 60      | S.F.      | 1.15       | ENCL          | WP1 | DESIGN  | B |  |
| HP   | 60      | RPM       | 1785       | INS           | F   | PHASE   | 3 |   |
| VOLTS  | 230/460 | FLA       | 136.6/68.3 | MAX.AMBIENT   |     | 40° C   |   |   |
| Enclosure  | ODP     | IP        | 23         | RATING        |     | CONTINUOUS  |   |   |
| NEMA CODE  | H       | P.F.      | 0.87       | MOTOR WEIGHT  |     | 1024 LBS.   |   |   |
| NOM EFF  | 95.0    | MIN EFF   | 94.1       | CONNECTION    |     | 12 Lead 2Δ/Δ  |   |   |
| DOWN THRUST  |         | 5600      |            | BASE DIAMETER |     | 16.5 INCHES   |   |   |
| UPPER BEARING  |         | 7224B     |            | LOWER BEARING |     | 6314  |   |   |
| OIL CAP. UPPER BEARING   |         | 1.94 QTS. |            | LUBRICATION   |     | MOBIL POLYREX EM  |   |   |
| NON-REVERSE RATCHET - BALL TYPE  |         |           |            | SERIAL NO.    |     |   |   |   |
| Specifically designed for use on deep well turbine pump applications.<br>Hernando, Mississippi   |         |           |            |               |     |    |   |  |
| ROTATION    |         |           |            |               |     | CC326B  |   |   |
| <b>MOTOR IS SUITABLE FOR INVERTER RATED 10:1 VT</b>  |         |           |            |               |     |   |   |   |

### 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.