# HPE Series Industrial Heavy-Duty Electric Hydraulic Pumps

Continuous-duty industrial electric hydraulic pumps rated for 700 Bar (10,000 PSI), powered by 0.75-5.55 kW TEFC motors for multi-cylinder jacking and heavy pressing across 5.0 to 40.0 L oil capacities.



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| RATED PRESSURE | MOTOR POWER | RESERVOIR CAPACITY |
|---|---|---|
| 700 Bar (10,000 PSI) | 0.75 - 5.55 kW (1.0 - 7.5 hp) TEFC, IP55 | 5.0 - 40.0 Liters Steel |
| **FLOW STAGES** | **VALVE OPTIONS** | **SAFETY MECHANISM** |
| Single-Stage or Two-Stage @ 50 Hz | VD22, VM32, VM33, VM33L, VM43 & VM43L | 70 - 700 Bar User-Adjustable Relief |

| Model Group | Motor Power [kW] | Circuit Stage | Flow @ 7 Bar (50 Hz) [L/min] | Flow @ 50 Bar (50 Hz) [L/min] | Flow @ 350 Bar (50 Hz) [L/min] | Flow @ 700 Bar (50 Hz) [L/min] | Available Reservoirs | Relief Valve Range [Bar] |
|---|---|---|---|---|---|---|---|---|
| HPE-3 | 0.75 | Single-stage | 0.59 | 0.59 | 0.57 | 0.55 | 5.0 / 8.0 / 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-3 | 0.75 | Two-stage | 6.15 | 5.26 | 0.57 | 0.55 | 5.0 / 8.0 / 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-4 | 1.12 | Single-stage | 0.87 | 0.87 | 0.84 | 0.82 | 5.0 / 8.0 / 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-4 | 1.12 | Two-stage | 8.88 | 8.20 | 0.84 | 0.82 | 5.0 / 8.0 / 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-5 | 2.25 | Single-stage | 1.75 | 1.72 | 1.68 | 1.64 | 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-5 | 2.25 | Two-stage | 11.61 | 11.27 | 1.68 | 1.64 | 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-6 | 5.55 | Single-stage | 3.00 | 2.94 | 2.86 | 2.73 | 10.0 / 20.0 / 40.0 | 70 - 700 |
| HPE-6 | 5.55 | Two-stage | 12.29 | 12.15 | 2.86 | 2.73 | 10.0 / 20.0 / 40.0 | 70 - 700 |

## HPE Series Industrial Heavy-Duty Electric Hydraulic Pumps - Reservoir Dimensions (5L - 40L)

| Reservoir Capacity [L] | Dim. A [mm] | Dim. B [mm] | Dim. C [mm] | Dim. D [mm] | Dim. E [mm] | Dim. E1 [mm] | Overall Height (H) [mm] |
|---|---|---|---|---|---|---|---|
| 5 | 457 | 143 | 279 | 52 | - | - | 513 |
| 8 | 457 | 143 | 279 | 206 | - | - | 513 |
| 10 | 533 | 158 | 419 | 305 | 384 | 371 | 600 |
| 20 | 558 | 180 | 419 | 422 | 501 | 488 | 625 |
| 40 | 648 | 270 | 399 | 505 | 576 | 572 | 715 |

Engineering Note: All dimensions in mm. Pump with 5L/8L reservoir and optional roll cage measures 635 x 319 x 640 mm. Main A and B ports: 3/8" NPT; auxiliary ports: 1/4" NPTF.

## HPE Series Industrial Heavy-Duty Electric Hydraulic Pumps - Model Numbering & Valve / Motor Voltage Matrix

| Selection Group | Option Code | Technical Specification & Function |
|---|---|---|
| Directional Valve | VD22 (VE32D) | 2/2 or 3/2 Auto-Dump Valve for single-acting punching, crimping & spring-return tools |
| Directional Valve | VM32 | 3-Way, 2-Position Manual Valve for single-acting cylinders (Advance / Retract) |
| Directional Valve | VM33 ( or Solenoid VE33) | 3-Way, 3-Position Manual / Electric Valve for single-acting cylinders (Advance / Hold / Retract) |
| Directional Valve | VM33L | 3-Way, 3-Position Manual Locking Valve with pilot-operated check for positive load holding |

## HPE Series Industrial Heavy-Duty Electric Hydraulic Pumps - Model Numbering & Valve / Motor Voltage Matrix (Continued) | Click any row to open online interactive datasheet & quote

| Selection Group | Option Code | Technical Specification & Function |
|---|---|---|
| **Directional Valve** | VM43 ( or Solenoid VE43) | 4-Way, 3-Position Manual / Electric Valve for double-acting cylinders (Advance / Hold / Retract) |
| **Directional Valve** | VM43L | 4-Way, 3-Position Manual Locking Valve with pilot-operated check for double-acting load holding |
| **Motor Voltage** | B | 115V, 1-Phase, 50-60 Hz (HPE-3 & HPE-4 only) |
| **Motor Voltage** | I (E) | 208-240V, 1-Phase, 50-60 Hz (HPE-3 & HPE-4 only) |
| **Motor Voltage** | G | 208-240V, 3-Phase, 50-60 Hz |
| **Motor Voltage** | W | 380-415V, 3-Phase, 50-60 Hz |
| **Motor Voltage** | J | 460-480V, 3-Phase, 50-60 Hz |

Engineering Note: Single-phase motors (codes B and I) are not available on HPE-5 and HPE-6 flow groups. Main A and B working ports: 3/8" NPT; auxiliary gauge/return ports: 1/4" NPTF.