

DEPEND ON  
**DAVEY**



## **DAVEY** EvoDrive

Model Numbers:  
ED16-40NPT

**WARRANTY**  
2 YEARS

### **APPLICATIONS**

Ideally designed for domestic pressure boosting applications in medium sized homes. Excellent for pumping clean water from below ground storage tanks. EvoDrive is suitable for duty/ standby / assist applications when connected in dual pump configuration.

### **INTELLIGENT CONSTANT PRESSURE PUMP**

### **FEATURES & BENEFITS**

- VSD Controlled constant pressure performance
- Touch panel illuminated control
- Dry run protection
- Simple plug and pump automatic operation
- 304 stainless steel casing and impeller
- Digital control interface with fault warnings
- Adjustable pressure settings
- Loss of prime protection
- Economical and quiet
- Suction lift up to 13ft
- Permanent magnet motor
- Dual pump connection output for duty/standby assist configuration.  
(Connection cable sold separately)

# Home Pressure Systems

**DAVEY**

| OPERATING LIMITS                 |                                                          |
|----------------------------------|----------------------------------------------------------|
| Flow rate @ 60psi                | 10.5 gpm (factory set point)                             |
| <b>Flow rate @ 40psi</b>         | <b>16 gpm (BEP)</b>                                      |
| Flow rate @ 20psi                | 22 gpm                                                   |
| Maximum casing pressure          | 145psi                                                   |
| Default set pressure             | 60psi                                                    |
| Maximum pressure                 | 95psi                                                    |
| Maximum flow                     | 28 gpm                                                   |
| Maximum suction lift             | 13ft                                                     |
| Default cut-in pressure          | 56psi                                                    |
| IP rating                        | X5                                                       |
| Operating ambient/air temp range | 32-122°F                                                 |
| Pressure tank valve connection   | Schrader valve                                           |
| Tank pre-charge (default)        | 47-50psi                                                 |
| Max humidity                     | 93%                                                      |
| Operating water temp range       | 37-158°F                                                 |
| Nature of fluids                 | Clean, clear, non-corrosive, with neutral pH             |
| Solids in Fluid                  | Maximum sand/silica concentration 0.04oz/ft <sup>3</sup> |
| Safety                           | UL 778, EN60335.1, EN60335.2.41                          |
| EMC                              | EN55014                                                  |

| MATERIALS OF CONSTRUCTION       |                                         |
|---------------------------------|-----------------------------------------|
| PART                            | MATERIAL                                |
| Casing                          | 304 Stainless Steel                     |
| Impellers                       | 304 Stainless Steel                     |
| Stages (casing)                 | 304 Stainless Steel                     |
| Pump shaft                      | 304 Stainless Steel                     |
| Diffusers                       | Noryl                                   |
| Mechanical seal                 | SiC/C                                   |
| O-rings                         | Nitrile                                 |
| Plugs                           | Hpb59-1 Brass                           |
| Motor shell and lantern bracket | Aluminium Alloy with powder coat finish |
| Outer cover                     | Polycarbonate                           |
| VSD housing                     | Aluminium Alloy with powder coat finish |
| Pressure tank                   | Steel / butyl / glass filled nylon      |

| ELECTRICAL DATA                 |         |
|---------------------------------|---------|
| Voltage (V)                     | 110-120 |
| Max motor speed (rpm)           | 5,200   |
| Incoming power Frequency (Hz)   | 60      |
| Input power (P <sub>i</sub> kW) | 0.90    |
| Maximum current (A)             | 11      |
| Insulation class                | F       |

| DIMENSIONS (inches)          |          |
|------------------------------|----------|
| Inlet                        | 1" NPT F |
| Outlet                       | 1" NPT F |
| Number of stages (impellers) | 3        |



