

# DAVEY



## DAVEY EvoDrive

Model Numbers:  
ED60-09

WARRANTY  
2 YEARS

### APPLICATIONS

Ideal for medium sized domestic household applications, pumping clean water supply from storage tanks or pressure boosting.

### 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 4m
- Permanent magnet motor
- Dual pump connection output for duty/standby-assist configuration. (Connection cable sold separately)

OPERATING LIMITS	
Flow rate @ 300kPa	65 lpm
Flow rate @ 400kPa	50 lpm
Flow rate @ 500kPa	35 lpm
Maximum casing pressure	1,000kPa / 10bar
Default set pressure	300kPa / 3bar
Maximum pressure	700kPa / 7bar
Maximum flow	105 lpm
Maximum suction lift	4m
Default cut-in pressure	240kPa (60kPa less than operator set pressure)
IP rating	X5
Operating ambient/air temp range	0-50°C
Pressure tank valve connection	Schrader valve
Tank pre-charge (default)	180 to 200kPa / 1.8 to 2bar
Max humidity	93%
Operating water temp range	3-70°C
Nature of fluids	Clean, clear, non-corrosive, with neutral pH
Solids in Fluid	Maximum sand/silica concentration 40g/m <sup>3</sup>
Safety	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)	220-240
Max motor speed (rpm)	5,200
Incoming power Frequency (Hz)	50-60
Input power (P <sub>i</sub> , kW)	0.90
Maximum current (A)	4.2
Insulation class	F

DIMENSIONS (mm)	
Inlet	1" BSPT F
Outlet	1" BSPT F
Number of stages (impellers)	3



