

## APPLICATIONS

Ideal for pressure boosting applications for:-

- Small weekenders / cottages – delivering pressurised water from rainwater catchment tanks
- Caravans
- Boats (240V A.C. power)



## The Weekender Series W1 Davey® (XP)

Home Pressure System

Model Number: W1 (XP25P8)

Economical, compact 25lpm jet assisted centrifugal pressure pump. The unit features a TEFC motor and includes a Supercell 8P tank which provides 3 litre draw off.

## WHY CHOOSE THE DAVEY WEEKENDER SERIES W1?

### PUMP

Single stage, jet assisted.  
Closed vane impeller.  
304 stainless steel pump shaft.  
Internal check valve.  
Mechanical shaft seal.  
Oring casing seal.  
Pressure switch control.

### MOTOR

Davey manufactured.  
2 pole, 2850rpm/50Hz or 3420rpm/60Hz.  
TEFC with IP55 enclosure.  
Class F insulation.  
Permanently split capacitor design.  
Double contact C3-HTG rated sealed ball bearings.  
In-built thermal overload protection.  
Plastic feet on motor shell.

### PRESSURE TANK

Captive diaphragm design.  
Heavy duty Butyl diaphragm meets health requirements for potable water applications.  
Deep drawn steel shell with appliance like 2 part paint finish.

### BENEFITS

- Manufactured from quality corrosion resistant materials
- TEFC motor-corrosion resistant and excludes dust and dirt
- Motor and pump designed for frequent starts
- Discharge may be rotated through 180° - makes plumbing easier
- Quick and easy installation
- Low maintenance
- Easy to service if required

## OPERATING LIMITS

Capacities to	25 lpm @ 140kPa
Maximum service pressure	31m
Cut-in pressure	140kPa
Cut-out pressure	280kPa
System draw off	115ml
Maximum liquid temperature	50°C
Maximum ambient temperature	45°C
Maximum suction lift	6m
Inlet size	1" F
Outlet size	1" M

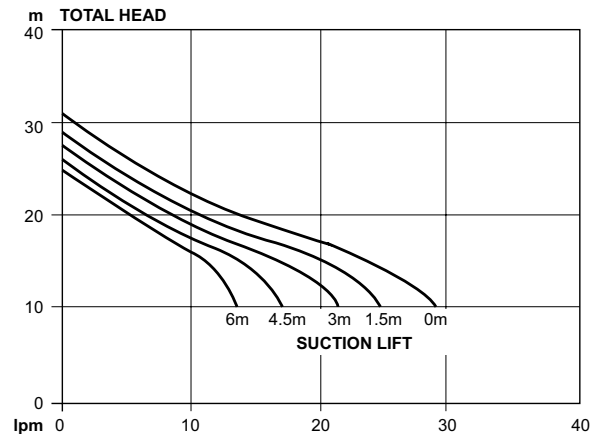
## ELECTRICAL DATA

Supply Voltage	220-240V
Supply frequency	50Hz
Output power (P <sub>2</sub> )	0.33kW
Full load current	2.0 amps
Locked rotor current	8.8 amps
Starting	P.S.C.
Enclosure class	IP55
Insulation class	Class F
Pressure switch cut-in	140kPa
Pressure switch cut-out	280kPa

## MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impellers	Glass filled polycarbonate
Pump casing	Glass filled nylon
Pump shaft	304 stainless steel
Internal check valve	Delrin
Check valve spring	304 stainless steel
Seal ring (stationary)	Ceramic
Seal ring (rotating)	Carbon
Seal ring elastomer	Nitrile rubber
Seal spring	304 stainless steel
O-rings	Nitrile rubber
Jet	Acetyl
Venturi/coverplate	Glass filled noryl
Priming plug	Glass filled polypropylene
Motor shell	Marine grade aluminium
Motor shell finish	Baked polyester
Pressure tank shell	Steel with polyurethane enamel
Pressure tank liner diaphragm	Polypropylene with butyl

## HYDRAULIC PERFORMANCE



## DIMENSIONS (MM)

Type	A	B	C	D	E	F	G	Mounting Holes Diameter	Inlet BSP	Outlet BSP	Net Weight (kg)
W1 (XP25P8)	424	565	200	131	170	215	170	10	1" F	1" F	6.21

## INSTALLATION & PRIMING

- On installations with suction lifts over 1m, a good quality foot valve should be fitted to avoid loss of prime. In this case the check valve inside the pump should be removed.
- For suction lifts over 1.5m the pressure switch may need to be adjusted to enable the pump to automatically cut-out.
- Fill pump and suction lines through pressure switch port.

