



Experts in water.

DAVEY

APPLICATIONS

- Ideal for small/average size homes, cottages, weekenders
- Domestic water supply
- Pressure boosting
- Automatic water transfer

WHY CHOOSE THE Davey XP Home Pressure System?

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



Davey® XP Home Pressure System

Model Number: XP35P8

Economical, compact 35lpm domestic pressure system driven by a single stage jet assisted centrifugal pump.

The unit features a TEFC motor and includes a "Supercell" 8P tank which provides 3 litre draw-off.



OPERATING LIMITS

Capacities to	35 lpm @ 140kPa
Maximum total head	35m
Cut-in pressure	140kPa
Cut-out pressure	280kPa
Maximum liquid temperature	50°C
Maximum ambient temperature	50°C
Maximum suction lift	6m
Inlet size	1" F
Outlet size	1" F

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
Pressure tank shell finish	Epoxy primer with polyurethane epoxy finish
Pressure tank diaphragm	Butyl rubber
Pressure tank liner	Potable grade virgin polypropylene
Pressure tank inlet	Stainless Steel

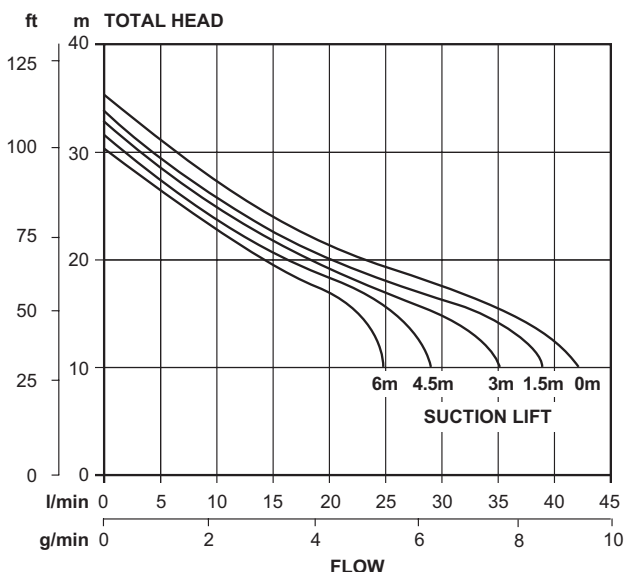
INSTALLATION & PRIMING

- 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.
- The system is primed by removing the pressure tank, filling with water and replacing the tank prior to switch on.

ELECTRICAL DATA

Supply Voltage	220-240V
Supply frequency	50Hz
Nominal speed	2850rpm
Input power (P _i)	0.6kW
Output power (P _o)	0.31kW
Full load current	2.4 amps
Locked rotor current	12 amps
Starting	P.S.C.
Insulation class	Class F
Pressure switch cut-in	140kPa
Pressure switch cut-out	280kPa

HYDRAULIC PERFORMANCE



DIMENSIONS (mm)

Type	A	B	C	D	E	F	G	Mounting Holes Diameter	Inlet BSP	Outlet BSP	Net Weight (kg)
XP35P8	424	565	200	131	170	215	170	10	1" F	1" F	6.21