



## APPLICATIONS

Ideal for:-

- Average homes with modern appliances to large double storey homes
- Domestic water supply
- Pressure boosting
- Automatic water transfer

Tested in compliance with  
**AS/NZS 4020**   
for use in contact with safe drinking water



## The Everyday Series Davey® with Tank

Home Pressure System

Model Numbers: E1 (X50), E2 (X70), E3 (X90)

Compact, all stainless steel horizontal multistage centrifugal pump pressure system control options to suit application. Flows to 430lpm and heads to 65m.

## WHY CHOOSE THE DAVEY EVERYDAY SERIES (X) WITH TANK?

### PUMP

Single stage jet assisted centrifugal with closed vane impeller. 303 stainless steel pump shaft. Internal suction side check valve fitted. Mechanical shaft seal. Oring casing seals. Pressure switch control with adjustable cut-in and cut-out pressure.

### MOTOR

Davey manufactured. 2 pole, 2850rpm, 50Hz. TEFC with IP55 enclosure. Class F insulation. Permanently split capacitor design. Double contact sealed C3-HTG rated ball bearings. Protected against both high operating temperatures and high current by a built-in automatically resetting thermal overload.

### TANK

Captive heavy duty butyl diaphragm meets FDA (USA), Watermark (Aust), WRAS (UK) and CE requirements for potable water. Fully lined water cavity.

### BENEFITS

- Manufactured from highest quality corrosion resistant materials
- Compact base mounting for quick and easy installation
- Fully adjustable pressure switch allows for installation adjustments
- TEFC motor-corrosion resistant and excludes dust and dirt
- Motor and pump designed for frequent starts

## OPERATING LIMITS

Type	E1 (X50)	E2 (X70)	E3 (X90)
Capacities to	50 lpm	70 lpm	90 lpm
Maximum total head	46m	48m	46m
Cut-in pressure (factory setting)	180kPa	210kPa	210kPa
Cut-out pressure (factory setting)	390kPa	420kPa	350kPa
Maximum liquid temperature	50°C		
Maximum ambient temperature	55°C		
Maximum suction lift	7m		
Inlet size (BSP)	1" F	1 1/4" F	1 1/4" F
Outlet size (BSP)	1" F	1" F	1" F

## MATERIALS OF CONSTRUCTION

PART	MATERIAL
Impellers	Glass filled polycarbonate
Pump casing	Glass filled noryl
Pump shaft	303 stainless steel
Internal check valve	Delrin
Internal check valve spring	Stainless spring steel
Jet and Venturi	Acetal
Inlet & outlet ports	Glass filled noryl
Seal ring (stationary)	Carbon
Seal ring (rotating)	Ceramic
Seal spring	304 stainless steel
Orings	Nitrile rubber
Tank shell	Steel
Tank finish	Polyurethane enamel
Diaphragm	Butyl rubber
Tank liner	Virgin polypropylene
Tank inlet	Stainless steel
System base	Noryl

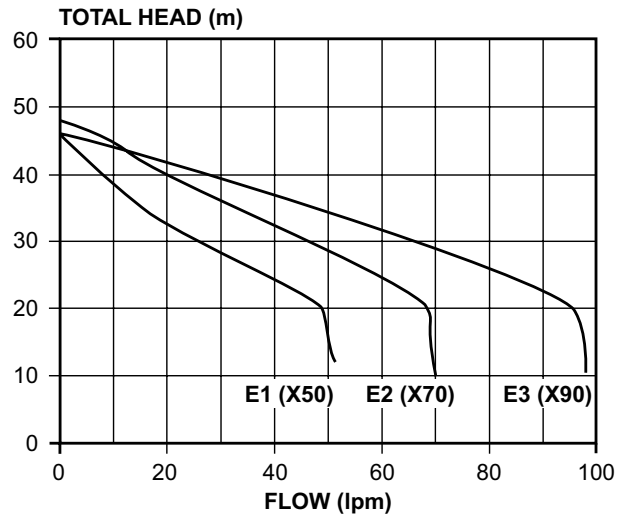
## ELECTRICAL DATA

Type	E1 (X50)	E2 (X70)	E3 (X90)
Supply Voltage	220-240V		
Supply frequency	50Hz		
Input power (P1)	0.84kW	1.15kW	1.4kW
Output power (P2)	0.56kW	0.8kW	1.1kW
Full load current	3.6A	5.1A	6.6A
Locked rotor current	12.0A	18.0A	28.0A
Starting	P.S.C.		
Insulation class	Class F		
IP rating	IP55		

## INSTALLATION & PRIMING

- On installations with suction lifts over 1m a good quality foot valve or non-return valve should be fitted to the suction pipe.
- The system is primed by filling the pump and suction line with water through the priming port and replacing priming plug prior to switching on.

## HYDRAULIC PERFORMANCE



## DIMENSIONS (MM)

Type	A	B	C	D	E	F	Inlet BSP	Outlet BSP	Net Weight (kg)
E1 (X50)	435	275	200	100	530	285	1" F	1" F	21.5
E2 (X70)	460	275	200	100	530	285	1 1/4" F	1" F	23.0
E3 (X90)	505	275	200	100	530	285	1 1/4" F	1" F	28.0

