

# XP350P8C

Model Numbers: 72101, 72101P & 72101Y

DEPEND ON  
**DAVEY**



## XP PRESSURE SYSTEMS

### PRODUCT DESCRIPTION

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" 8C tank which provides 3 litre draw-off.

### APPLICATIONS

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

### DESIGN FEATURES

#### 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 fee 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 powder coat 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

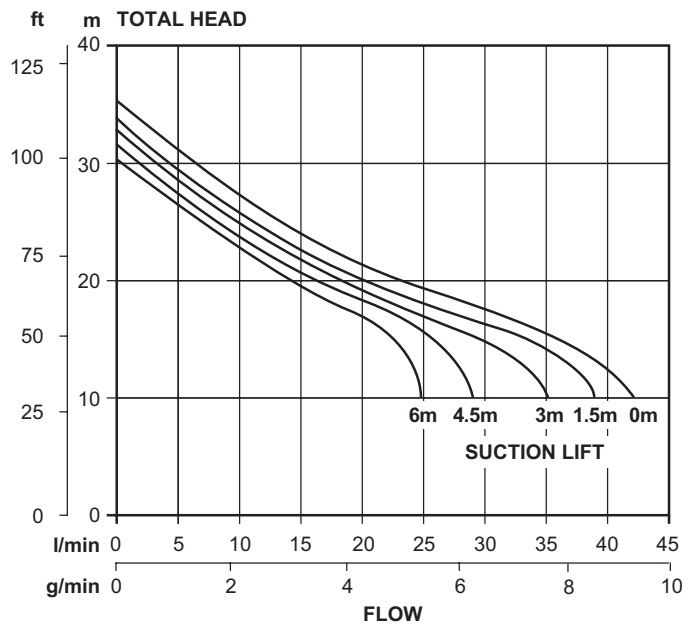
Capacities to	35lpm @ 140kPa
Max. total head	35m
Cut-in pressure	140kPa
Cut-out pressure	280kPa
Max. liquid temperature	50°C
Max. ambient temperature	50°C
Max. suction lift	6m
Inlet size	1" F
Outlet size	1" F

# TECHNICAL SPECIFICATIONS

## 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
Orings	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 powder coat
Pressure tank diaphragm	Butyl rubber
Pressure tank liner	Potable grade epoxy powder coat

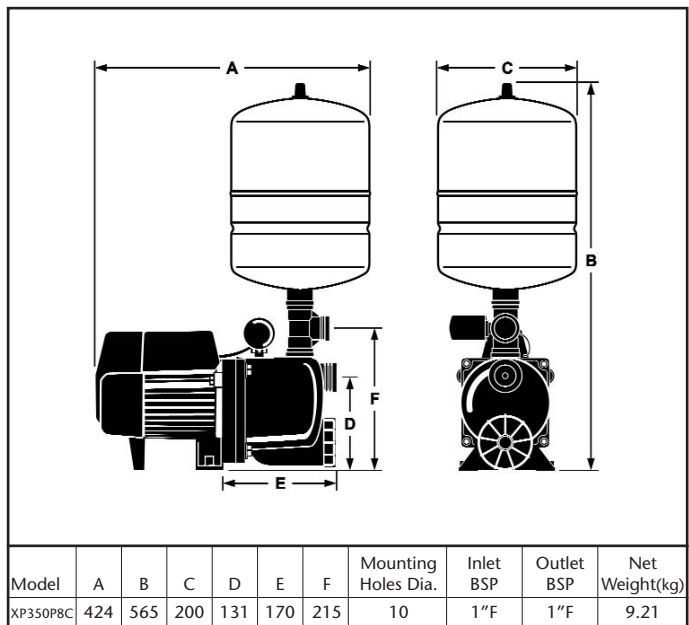
## HYDRAULIC PERFORMANCE



## ELECTRICAL DATA

	72101	72101P	72101Y
Supply voltage	220-240V	220-240V	110-115V
Supply frequency	50Hz	60Hz	60Hz
Nominal speed	2850rpm	3420rpm	3420rpm
Input power (P1)	0.6kW	0.6kW	0.6kW
Output power (P2)	0.31kW	0.4kW	0.4kW
Full load current	2.4A	2.4A	7.6A
Locked rotor current	12.0A	12.0A	24.0A
Starting	PSC		
Insulation class	Class F		
Pressure switch cut-in	140kPa		
Pressure switch cut-out	280kPa		

## DIMENSIONS



All dimensions in mm unless otherwise stated.

## 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.

This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice. © Davey is a registered trademark of Davey Products Pty Ltd. © Davey Products Pty Ltd 1999.



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[www.davey.com.au](http://www.davey.com.au)

DEPEND ON  
**DAVEY**

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