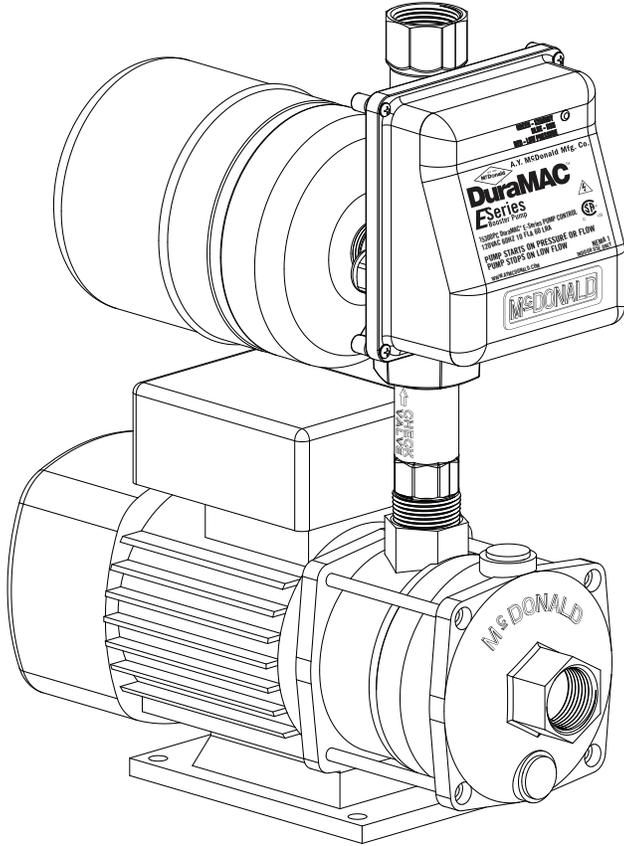




SPECIFICATIONS DuraMAC™ - E-Series

18035R020PC1 & 18052R020PC1 Water Pressure Booster Systems

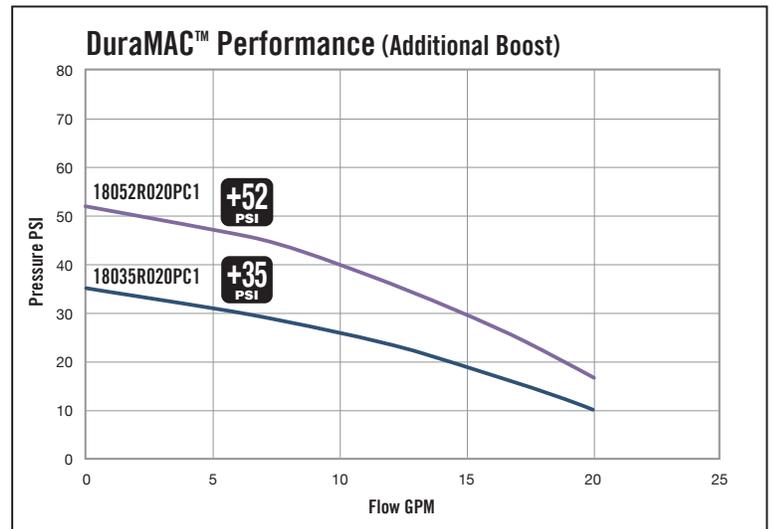


Features

- Water Pressure Boosting System for residential or light commercial use
- Easy Set-up and Installation
- Digital Control
- Durable Connections - No Plastic Connections
- Half Gallon Pressure Tank
- TEFC Single Phase Motor for quiet operation
- Electronics separated and sealed from waterway
- Check Valve Included
- Dry-Run Protection

Materials of Construction

Impellers	304 Stainless Steel
Pump Casing Inlet	301 Stainless Steel
Pump Casing Outlet	301 Stainless Steel
Pump Seal (stationary)	Silicon Carbide
Pump Seal (rotating)	Carbon
Diffuser	304 Stainless Steel
Check Valve	No-Lead Brass
Pump Controller Cross	No-Lead Brass



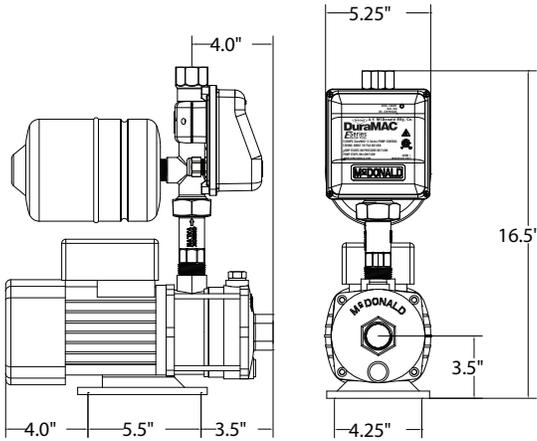
Specifications

DuraMAC™ Model	Pump Boost	Amps	Voltage	Power	*Maximum incoming pressure
18035R020PC1	35 psi	5.5	120 - 60 Hz	1/2 HP	45 psi
18052R020PC1	52 psi	7.0	120 - 60 Hz	3/4 HP	28 psi



SPECIFICATIONS DuraMAC™ - E-Series

Dimensional Information



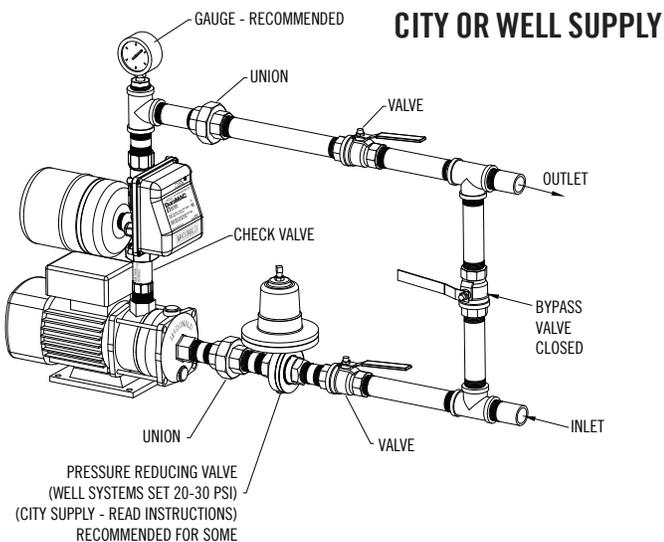
Sizing Chart

Total static pressure DuraMAC™ pump

Incoming Pressure (PSI)	18035R020PC1 +35	18052R020PC1 +52
60		
55	90	
50	85	
45	80	
40	75	
35	70	87
30	65	82
25	60	77
20	55	72
15	50	67
10	45	62

CONTACT FACTORY

Typical Installation



Sizing Information

E-Series DuraMAC™ Booster Systems are designed to shut off when no flow is detected. Pump total pressure boost should be added to current household system pressure to determine total system pressure when boosted. Note: It is not recommended to exceed 80 PSI total boosted household pressure.

Example:

Household system pressure before boost = 30 PSI

$$\begin{array}{r} 30 \\ \hline \text{Household Pressure} \end{array} + \begin{array}{r} \\ \hline \text{Total Pump Pressure} \end{array} = \begin{array}{r} \\ \hline \text{Total Pressure After Boost} \end{array}$$

*Not Recommended to Exceed 80 PSI

Models Available: Boost

18035R020PC1
18052R020PC1

$$\begin{array}{r} 30 \\ \hline \text{Household Pressure} \end{array} + \begin{array}{r} 35 \\ \hline \text{Total Pump Pressure} \end{array} = \begin{array}{r} 65 \\ \hline \text{Total Pressure After Boost} \end{array}$$

+35
+52

Based on this example, the recommended model for this application is the 18035R020PC1.

For systems with fluctuating pressure, a pressure reducing valve is recommended to assure system pressure stays below 80 PSI.

