

DuraMAC™ - Light Commercial & Irrigation

Not all boosting applications require complicated boosting systems. The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. With an easy set-up installation and a versatile control with three modes of operation, this pump is flexible enough to meet your commercial or irrigation needs.

Features:

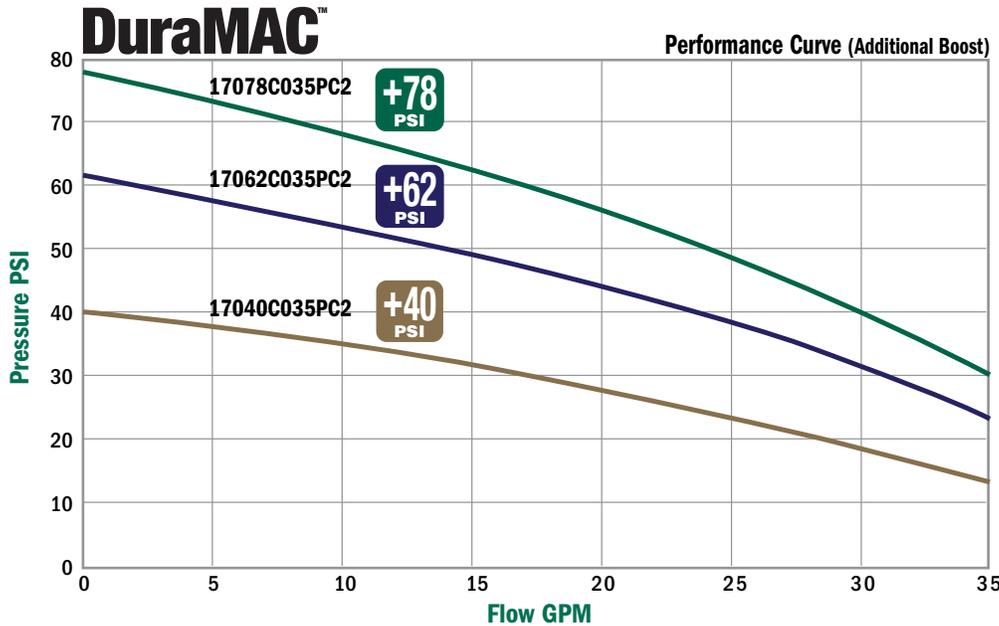
- Easy set-up installation
- Digital control for three modes of operation
- Durable stainless steel and no-lead brass connections
- Two gallon pressure tank included
- TEFC single phase motor for quiet operation
- Electronics separated and sealed from waterway
- Pressure gauge included
- No-Lead brass check valve included
- Dry-Run protection



See Pumps & Accessories Price List for Limited Warranty details.



DuraMAC™ Booster Pumps



35 Gallon / Minute (GPM) Max

DuraMAC™ Model	Pump Boost	Amps	Length "L"	Voltage	Power	*Pressure Reducing Valve Recommended for installation with incoming pressure greater than:	Wt.
17040C035PC2	40 PSI	5.0	15.43"	230 - 60 Hz	1 HP	40 PSI	38
17062C035PC2	62 PSI	6.3	16.49"	230 - 60 Hz	1 HP	18 PSI	41
17078C035PC2	78 PSI	6.8	17.55"	230 - 60 Hz	1 1/2 HP	2 PSI (for use with holding tank)	35

*Many plumbing codes do not recommend system pressure exceeding 80 PSI. Refer to local plumbing codes for maximum boosted pressure.

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Sizing Information

DuraMAC™ Booster Systems are designed to shut off when no flow is detected. Pump pressure boost should be added to current system pressure to determine total system pressure when boosted.

Example:

Household system pressure before boost = 30 PSI

$$\begin{array}{rcccl} \mathbf{30} & + & & = & \\ \text{Household} & & \text{Total Pump} & & \text{Total Pressure} \\ \text{Pressure} & & \text{Pressure} & & \text{After Boost} \end{array} \quad \begin{array}{l} \text{*Not Recommended} \\ \text{to Exceed 80 PSI} \end{array}$$

Models Available:

17040C035PC2	+40
17062C035PC2	+62
17078C035PC2	+78

$$\begin{array}{rcccl} \mathbf{30} & + & \mathbf{40} & = & \mathbf{70} \\ \text{Household} & & \text{Total Pump} & & \text{Total Pressure} \\ \text{Pressure} & & \text{Pressure} & & \text{After Boost} \end{array}$$

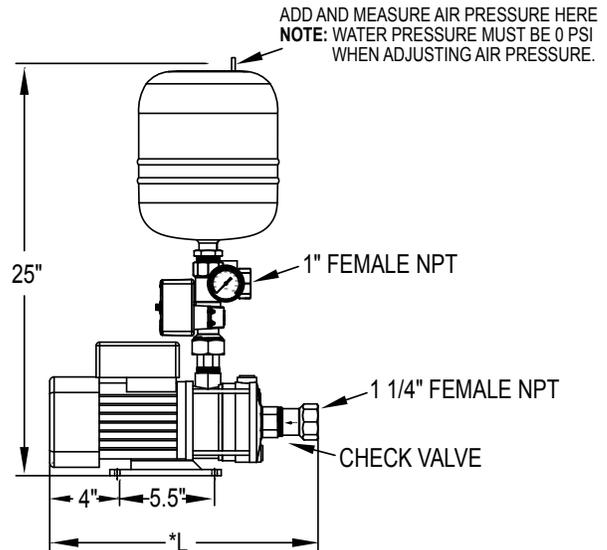
Based on this example, the recommended model for this application is the 17040C035PC2.

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

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 / NBR
- Diffuser	304 Stainless Steel
- Check Valve	No-Lead Brass
- Pump Controller Cross	No-Lead Brass

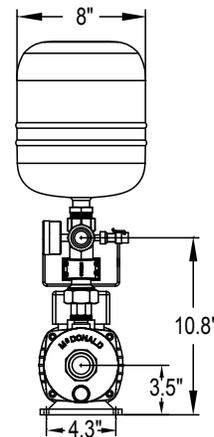
Typical Installation



Sizing Chart

Total static pressure **DuraMAC™** pump

Incoming Pressure (PSI)	17040C035PC2 +40 PSI	17062C035PC2 +62 PSI	17078C035PC2 +78 PSI
60			
55			
50	90	CONTACT FACTORY	
45	85		
40	80		
35	75		
30	70		
25	65	87	
20	60	82	
15	55	77	93
10	50	72	88



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