

DuraMAC™ - Vertical Multistage Variable Speed Triplex Booster System

The DuraMAC™ Boosting system is simple, versatile, sophisticated, and reliable. The Vertical Multistage Variable Speed Booster System changes motor speed based on demands of the system, which allows users to save energy costs over traditional constant speed booster systems.

Features:

- Easy set-up installation
- Variable speed control
- Stainless steel pump
- Energy efficient NEMA TEFC motors
- Liquid filled gauges
- Wafer check valves with soft seat
- Stainless steel base
- 2" Brass No-Lead isolation valves
- NEMA 1 enclosure
- Suction and discharge transducers
- Fused disconnect
- 4" Flanged stainless steel manifolds

Certified to:

NSF / ANSI 61 Section 8-2016

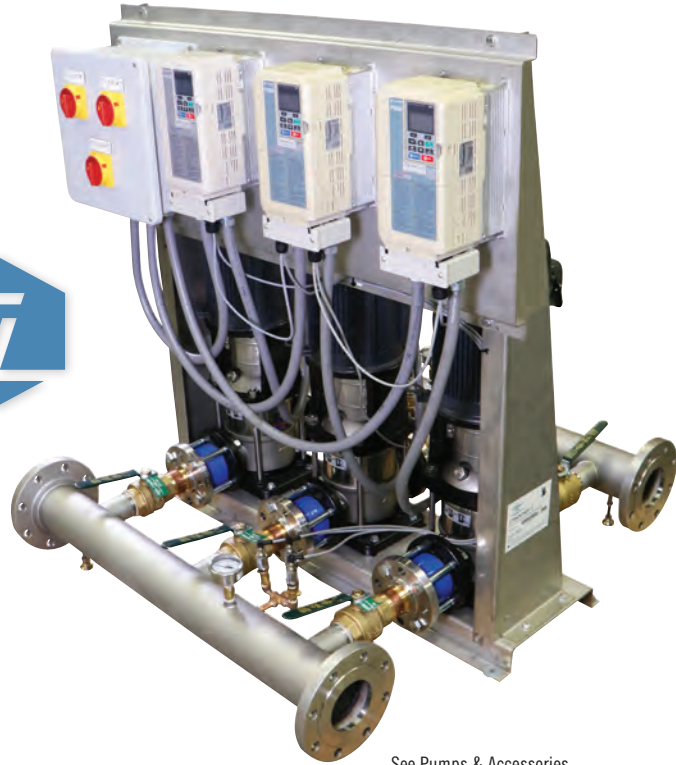
NSF / ANSI 372-2016



C US
ANSI/NSF 372 ONLY



C US
Drinking Water
ANSI/NSF 61



See Pumps & Accessories
Price List for Limited Warranty details.

Models Available

Model	Description	Pump Boost	Voltage	HP
17062V240Y-3	62 PSI 230V VFD Booster	62 PSI	208 - 230 - Three Phase	3
17084V240Y-3	84 PSI 230V VFD Booster	84 PSI	208 - 230 - Three Phase	5
17104V240Y-3	104 PSI 230V VFD Booster	104 PSI	208 - 230 - Three Phase	5
17150V240Y-3	150 PSI 230V VFD Booster	150 PSI	208 - 230 - Three Phase	7 1/2
17142V360Y-3	142 PSI 230V VFD Booster	142 PSI	208 - 230 - Three Phase	10
17060V420Y-3	60 PSI 230V VFD Booster	60 PSI	208 - 230 - Three Phase	5
17088V420Y-3	88 PSI 230V VFD Booster	88 PSI	208 - 230 - Three Phase	7 1/2

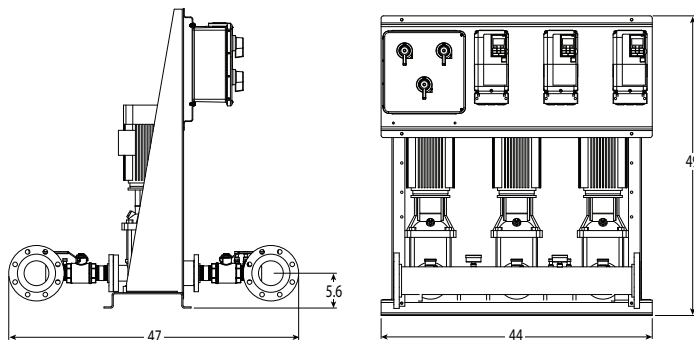
460 volt version also available

A.Y. McDonald considers the information on this sheet correct when published. Specifications are subject to change with notice.

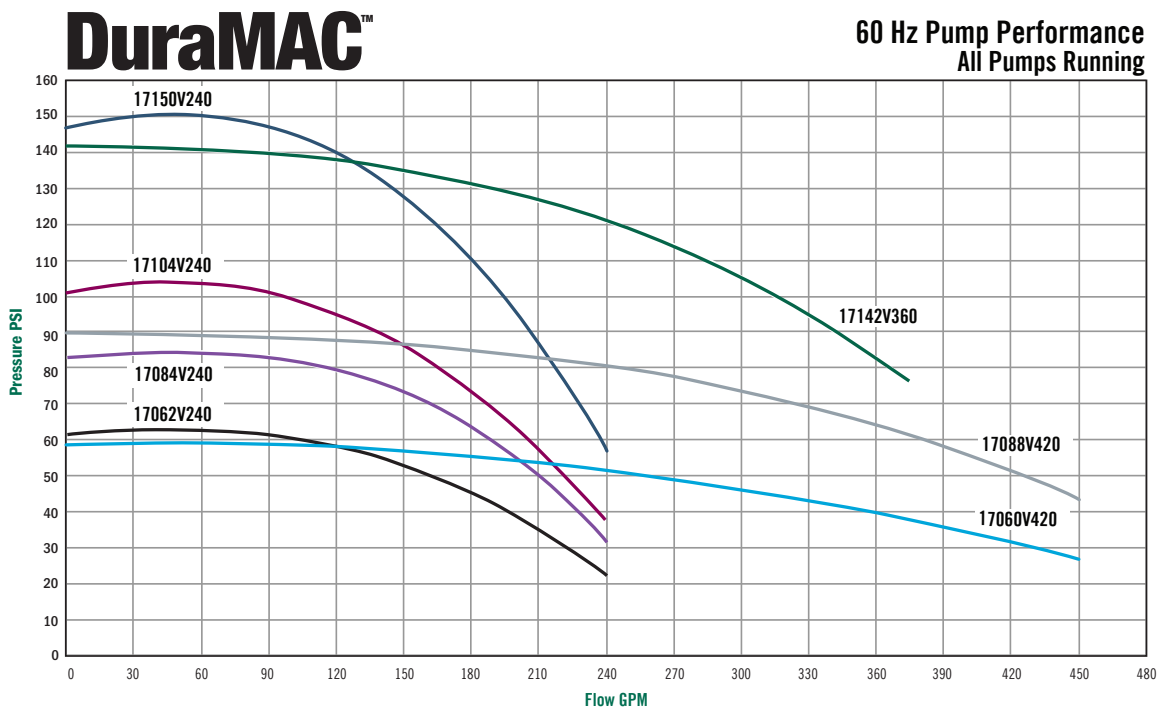
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Control Features

- Variable speed control, speeds up and slows down based on the demand of system, maintaining a constant pressure.
- Lead - Lag pump control to alternate pump starts, allowing equal run times on all pumps for longer life cycles.
- Better system efficiency by applying only the power needed based on the load.
- Password protected parameter settings.
- Real time clock.
- No Flow Mode - puts pump to sleep during no flow conditions.
- Low Suction Alarm to prevent the pump from running if the incoming supply of water is interrupted.
- Internal monitors prevent the pump from running if a pipe is broken or demand exceeds capability.
- Live Zero protects the pump if the transducer cable is broken or damaged.
- Backup system transducer for pump and drive redundancy.



DuraMAC™ Booster Pumps



Materials of Construction

- Impellers	304 Stainless Steel	- Pump Seal (rotating)	Carbon / NBR
- Pump Casing Inlet	301 Stainless Steel	- Diffuser	304 Stainless Steel
- Pump Casing Outlet	301 Stainless Steel	- Base	304 Stainless Steel
- Pump Seal (stationary)	Silicon Carbide		