

WaterBox Model B

Automatic Irrigation Pumping System

WATERBOX
POWERED BY GRUNDFOS



APPLICATIONS

Automatic pumping system for medium sized turf and landscape irrigation systems



WaterBox Model B Pumping System

Why choose The
WaterBox **Model B** Pumping System?

GRUNDFOS Horizontal Multi-Stage Centrifugal Pump

- Stainless steel impellers and volute case
- Inlet & Discharge are cast iron
- Corrosion & Wear resistant
- High efficiency
- Quiet operation
- Ease of service

GRUNDFOS Totally Enclosed Fan Cooled (TEFC) Electric Motor

- Sealed and greased for life motor bearings
- Over-sized drive bearing
- Quiet running

YASKAWA iQPump Micro Drive

- Auto Start on Pressure Drop
- Surge-free starting allows for slow pipe fill upon start-up
- VFD fault shutdown
- Auto restart
- Surge Protection
- Motor overload protection
- Low Pressure shut down
- High pressure shut down
- Loss of prime protection
- Optional 24VAC remote start

Marine Grade Aluminum Powder Coated Enclosure

- Low profile/compact design
- Large door opening with locking tab
- Internal power switch disconnect

Overall

- All hydraulic parts are stainless steel
- Turn key installation
- Easy to service

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MODEL B ELECTRICAL DATA	
Pump/Motor	
Speed	3500rpm
Supply Voltage	220V ±10%
Supply frequency	60Hz
Enclosure class	IP55
Insulation class	Class F
Yaskawa iQPump VFD	
Voltage	240V+/-10%
Phase	Three
Hz	60
IP rating	56
Maximum load current	15A
Maximum motor size @ 240V input	1.8kW
Surge protection	Varistor

MODEL B MATERIALS OF CONSTRUCTION	
Part	Material
Casing	Cast Iron
Impellers	304 stainless steel
Stages (casing)	304 stainless steel
Pump shaft	316L stainless steel
Stage centring device	304 stainless steel
Mechanical seal	Carbon/ceramic
O-rings	EPDM
Plugs	316L stainless steel
Motor shell & lantern bracket	Aluminium with baked powder coat finish
Motor feet	Aluminium
Pump Plate	HDPE
Enclosure/cabinet	Aluminium with Sandstone Powder coat finish
Manifold/piping	304 Stainless steel

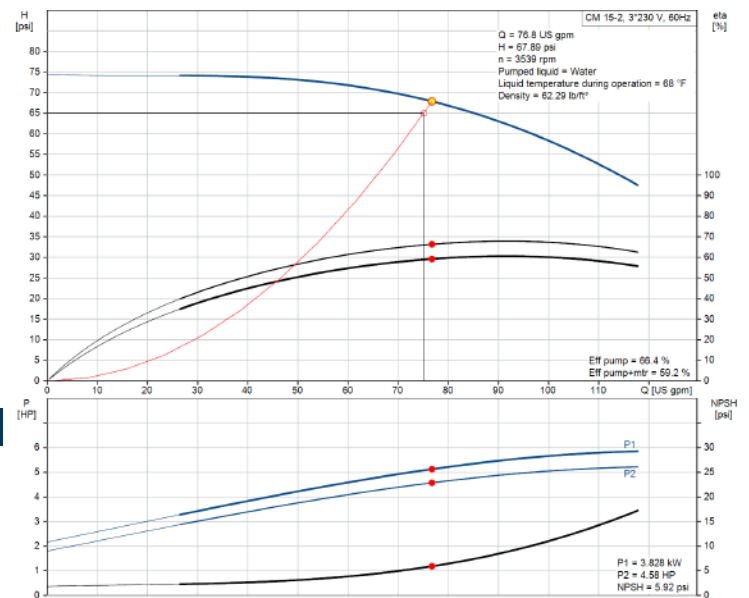
GENERAL SPECIFICATIONS

- 75 GPM @ 65PSI
- 7' Suction Lift
- 230VAC, Single Phase, 60HZ
- 30amp Switched Disconnect
- Marine Grade Aluminum Powder Coated Enclosure
- **YASKAWA** iQPump Controller
- **GRUNDFOS** Stainless Steel Pump
- **GRUNDFOS** TEFC Motor
- Stainless Steel Manifold

ADDITIONAL FEATURES

- Ships in 1 week or less
- Factory tested prior to shipment
- 2 year Bumper-To-Bumper Warranty

PERFORMANCE



STATION COMPONENTS	
1	5HP PUMP
2	2 GAL. PRESSURE TANK
3	2" DISCHARGE ISO VALVE
4	0-200 PSI PRESSURE GAUGE
5	1FM PRESSURE TRANSDUCER
6	iQPUMP MICRO DRIVE - VFD
7	24V AC RELAY - OPTION
8	30 AMP DISCONNECT
9	2" MNPT STATION INLET
10	2" MNPT STATION DISCHARGE
11	2" STAINLESS STEEL PIPE
12	POWDER COATED ALUM. ENCL.

