



**PD BOX**  
Pump Stations for Irrigation



## PD BOX

PD BOX is our new pump system designed for outdoor installations. All details on this pump station have been designed for all users' needs.

Extraordinary performance, quiet operation, attention to detail makes PD BOX a state of the art solution.

## ENCLOSURE

The external enclosure is strong, compact, and is double powder coated for weather resistance that is perfect for tough, outdoor conditions.

Features:

- Front door allows access to electrical equipment and components.
- Back door access with a wide opening to the pump and piping, for easy maintenance.
- Cooling fan insures to manage temperature inside the enclosure.
- Reinforced pump base that is mounted on rails, allows strength and flexibility to the assembly process.
- Drain holes in the floor.
- Knockouts for conduit installation and electrical service.



## THE PUMP

High efficiency pumps:

End suction flanged, cast iron centrifugal pumps:

- Every PD BOX includes the most efficient pump according to the performance needed.
- Motor specially designed to work at high temperatures.
- Pump flanged for easy maintenance operations.



## VARIABLE SPEED CONTROLS

Our pump stations are controlled by the most evolved technology in VFD Systems:

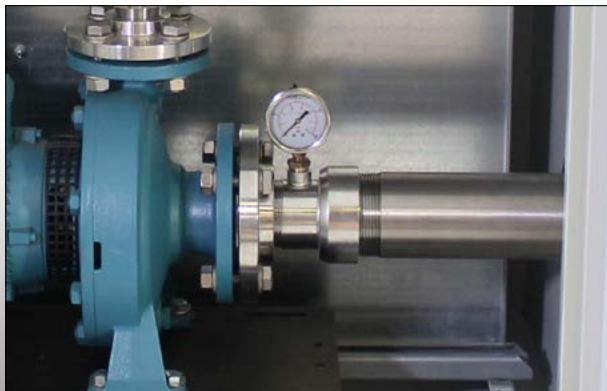
- LCD screen for setting up desired parameters.
- User friendly interface to monitor and change parameters as needed.
- BLUETOOTH TECHNOLOGY for remote access to the VFD for start up, maintenance or troubleshooting from an outside location.
- Safety disconnect switch, control box.
- Lightning surge protection on request.
- All pump stations available for 1 PH-230V, 3PH-230V, 3 PH-460V Power Supply.

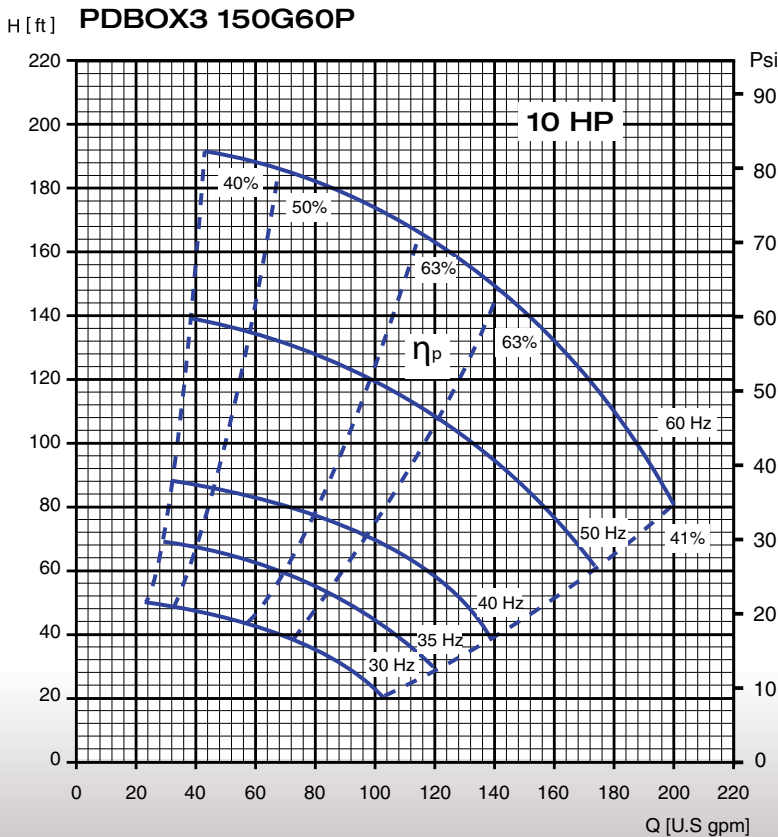
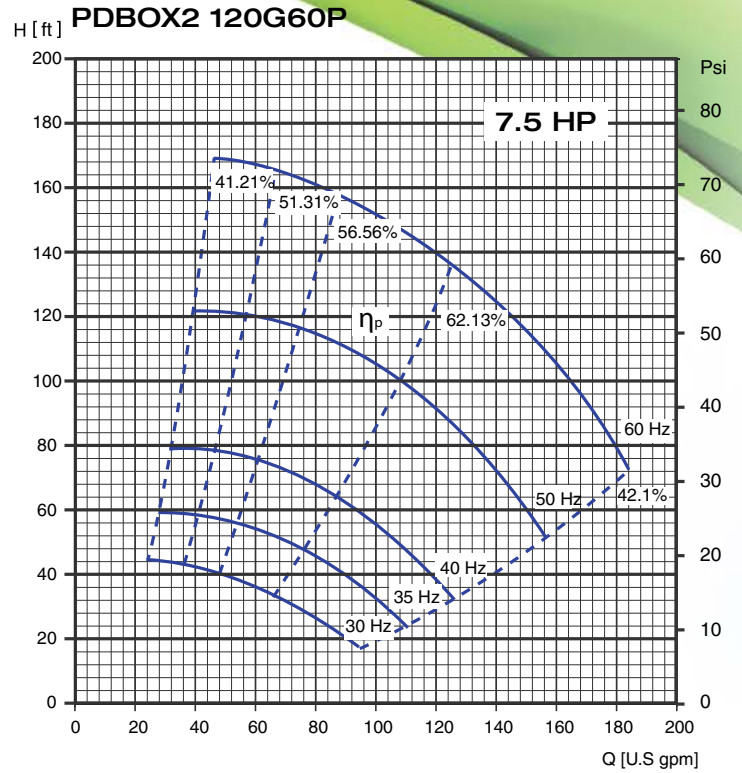
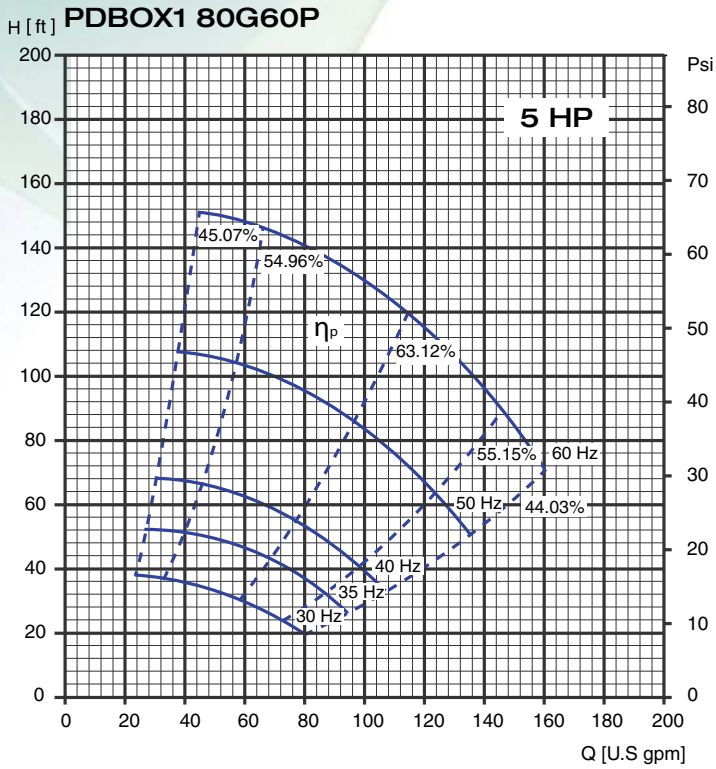


## PIPING

Suction and discharge manifolds manufactured in stainless steel AISI 304.

- Suction side 3" threaded connection, 1/4" connection for pressure gauge (Standard) or any other control needed.
- Discharge manifold 2" threaded connection, stainless steel 2" ball valve, with female threaded 1/4 port for pressure gauges and any other control needed.
- 2" port for easy priming.





#### Recommended Operating Conditions

MODEL	HP	GPM	CONSTANT PRESSURE
PD BOX1 80G60P	5	80	UP TO 60 PSI
		100	UP TO 55 PSI
		120	UP TO 50 PSI
PD BOX2 120G60P	7.5	120	UP TO 60 PSI
		140	UP TO 55 PSI
		150	UP TO 50 PSI
PD BOX3 150G60P	10	150	UP TO 60 PSI
		160	UP TO 55 PSI
		170	UP TO 50 PSI

- POWERED BY END SUCTION CENTRIFUGAL 5, 7.5 AND 10 HP.
- POWER SUPPLY 230V / 1PH OR 230-460V / 3 PH.
- VARIABLE SPEED DRIVE CONTROLLERS FOR CONSTANT PRESSURE AND PROTECTION.

#### Weights and Dimensions

MODEL	DIMENSIONS			WEIGHT LBS
	W	L	D	
PD BOX1 80G60P	50 3/4"	47"	31 1/2"	412
PD BOX2 120G60P	50 3/4"	47"	31 1/2"	432
PD BOX3 150G60P	50 3/4"	47"	31 1/2"	452