



CENTRIFUGAL RANGE

**BWD VSD
BOOSTER PUMP**



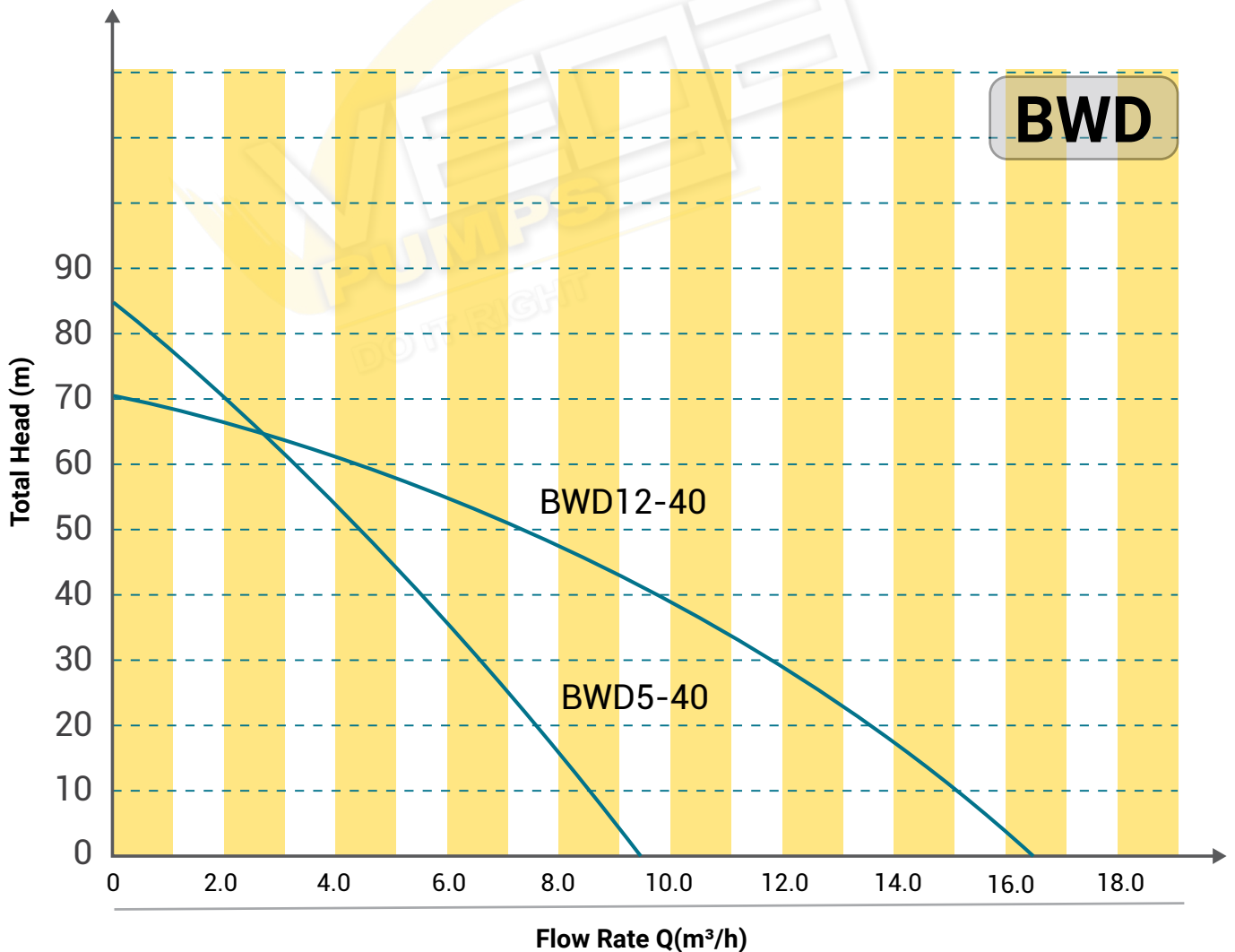
FEATURES & BENEFITS



- ✔ **Easy to operate**
- ✔ **Automatic start/stop function**
- ✔ **Pre-wired with a 3-point plug**
- ✔ **Energy-efficient**
- ✔ Up to 80% more energy savings compared to traditional pump systems
- ✔ **Restart delay**
An integral time delay protects the motor from heat build-up due to continuous on/off switching

- ✔ **Constant pressure**
A pressure transducer ensures that constant pressure is maintained even when multiple water outlets are used simultaneously, within the capacity of the pump
- ✔ **Class leading efficiency**
The unit has the following integrated functions for protection from:
 - Dry run
 - Over-current
 - Over/under voltage
 - Overload
 - Abnormal Pressure

PUMP PERFORMANCE CURVE





PUMP SPECIFICATIONS



Model	Power (Kw)	H.max (m)	H.rated (m)	Q.max (m ³ /h)	Q.rated (m ³ /h)	Speed. max (rpm)	Voltage (v)	Frequency (Hz)	In/Outlet (Inch)
BWD5-40	1.2	85	45	9.5	5	5000	220 ± 10%	50	1.25"×1.25"
BWD12-40	2.2	70	35	17	12	4500	220 ± 10%	50	2"×2"

- ✔ Max. Fluid Temperature **80°C**
✔ Max. Ambient Temperature **40°C**

	<ul style="list-style-type: none"> • Variable Speed drive (VSD) defined: The speed at which the pump runs varies as per the pressure requirements to ensure minimal energy is being used.
	<ul style="list-style-type: none"> • Unit intended for clean water usage, such as drinking water, or non-potable water piping system, as well as for irrigation purposes. • Unit suitable for use with water temperatures ranging from 2 to 80 degrees celsius.

IMPORTANT INFORMATION

- The pump must be earthed.
- All the maintenance should be carried out with the power supply disconnected.
- Do not put any strain on the electrical cable.
- The pump is only designed for clean water use.
- Do not adjust any settings without having carefully read and understanding the instructions.
- Extending the cable will affect your factory warranty. Make use of an approved extending plug adapter.
- The pump should be installed in a ventilated, undercover area to protect the unit against direct sunlight, rain and spray from an irrigation system.
- Pumping muddy water or water containing suspended solids will severely reduce the life expectancy of the unit. Note that this type of application falls outside of the factory warranty.
- The booster pump is equipped with a draining screw at the bottom of the suction/discharge casing. It is advised to drain the unit when temperatures fall below 0°C.

OPERATING INSTRUCTIONS

1. Ensure that the power supply cable is connected correctly.
2. The suction and discharge piping should be of rigid characteristics, be able to withstand pressure of up to 6 bar, be air tight on the suction side and water tight on the discharge side.
3. Follow the priming instructions as per diagrams.
4. The booster pump is designed to operate with a 220V single-phase power supply. Voltage variance is maximum 10% up or down. Further variation will damage the electrical motor.