

**Qty. Description**

1 JP 4-54 PT-V



**Note! Product picture may differ from actual product**

Product No.: [99463896](#)

Grundfos JP 4-54 PT-V consist of a Grundfos JP pump, a pressure switch, a pressure gauge and a Grundfos GT-H 18-litre vertical diaphragm pressure tank. The pressure tank reduces water hammer in the pipework.

The JP 4-54 PT-V provides the comfort of constant water pressure with automatic start and stop.

This is controlled by the pressure switch and pressure tank combined ensuring optimal start/stop of the booster set according to demand.

The pressure tank limits the number of start/stop routines, as water stored in the tank can be used without starting the pump in cases of low water consumption or leakage loss.

The cut-in pressure is set to 2.2 bar.

The design is robust and built upon corrosion-free materials to ensure a long lifetime.

This booster set ensures optimum self-priming properties, featuring a suction-lift up to 8 meters.

The self-priming pump also ensures a stable operation as is it able to lift liquid from below the inlet level and can handle a mix of air and liquid until the pump reaches a fully-primed pumping condition.

The JP 4-54 PT-V booster set has built-in thermal protection, which immediately stops the pump if it overheats. The motor is air cooled and equipped with oversized, sealed, greased-for-life ball bearings to ensure silent operation and minimum service.

**Controls:**

Type of connector: Type I (AS/NZS 3112)

**Liquid:**

Pumped liquid: Water  
 Liquid temperature range: 273 .. 313 K  
 Selected liquid temperature: 293 K  
 Density: 998.2 kg/m<sup>3</sup>

**Technical:**

Rated flow: 4 m<sup>3</sup>/h  
 Rated head: 46 m  
 Code for shaft seal: BBVP  
 Approvals: CE,RCM  
 Curve tolerance: ISO9906:2012 3B  
 Adjustable start pressure: Y  
 Start pressure: 1.0 - 5.0 bar  
 Tank volume: 20 l  
 Rated speed: 2800 rpm

**Materials:**

Pump housing: Stainless steel  
 EN 1.4301



**Company name:** Land and Water Technology  
**Created by:**  
**Phone:** 08 9209 3330  
**Email:** orders@landwater.com.au  
**Date:** 2/16/2023

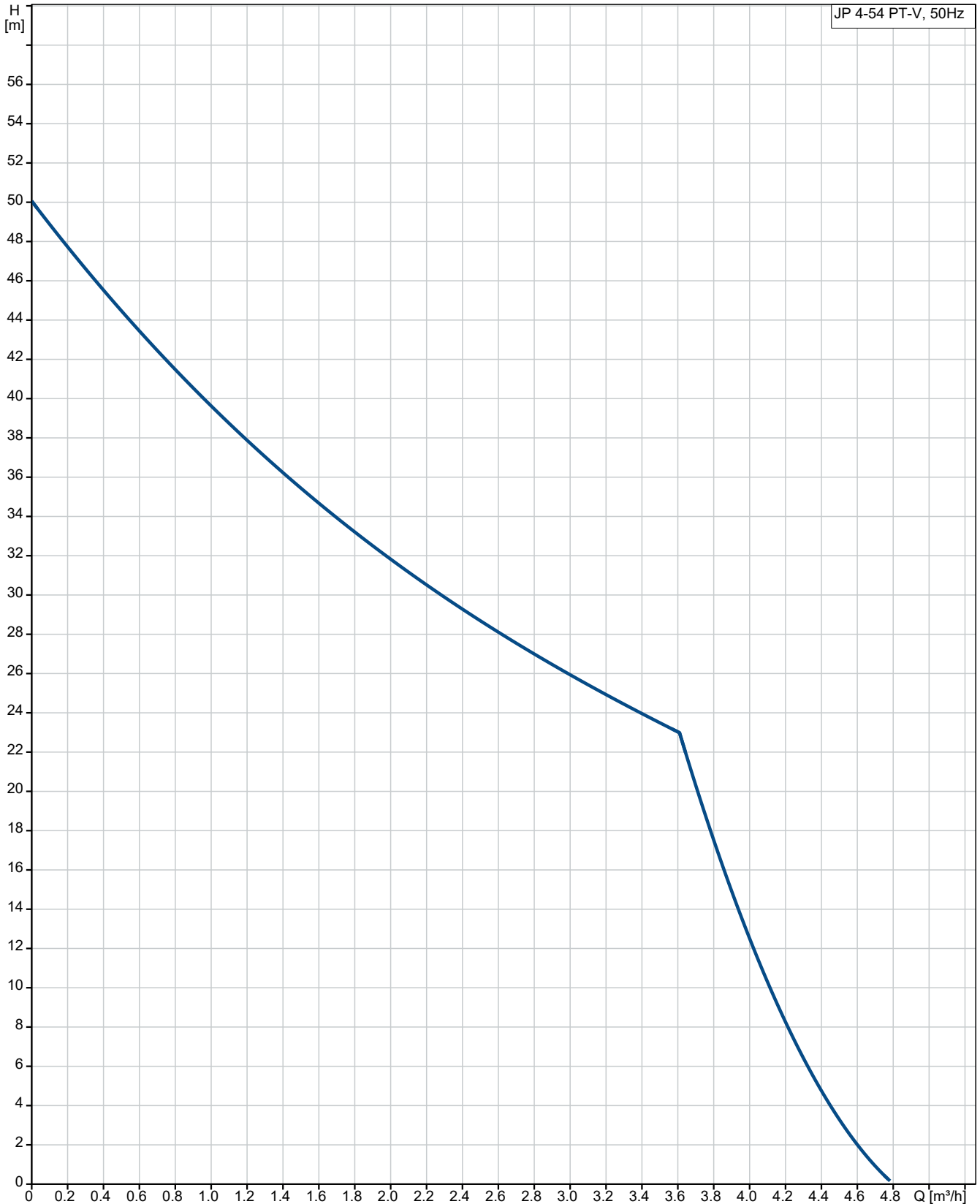
**Qty. Description**

|   |                                 |                                   |
|---|---------------------------------|-----------------------------------|
| 1 | Impeller:                       | AISI 304<br>Composite<br>PPO-20GF |
|   | Installation:                   |                                   |
|   | Range of ambient temperature:   | 273 .. 313 K                      |
|   | Maximum operating pressure:     | PN 6 bar                          |
|   | Pipe connection standard:       | ISO 228-1                         |
|   | Type of inlet connection:       | G(F)                              |
|   | Type of outlet connection:      | G(F)                              |
|   | Size of inlet connection:       | 1 inch                            |
|   | Size of outlet connection:      | 1 inch                            |
|   | Pressure rating for connection: | PN 6                              |
|   | Electrical data:                |                                   |
|   | Power input P1:                 | 1130 W                            |
|   | Rated power - P2:               | 0.746 kW                          |
|   | Mains frequency:                | 50 Hz                             |
|   | Rated voltage:                  | 1 x 230 V                         |
|   | Rated current:                  | 5.1 A                             |
|   | Starting current:               | 17.8 A                            |
|   | Rated speed:                    | 2800 rpm                          |
|   | Capacitor size - run:           | 16 µF/450 V                       |
|   | Enclosure class (IEC 34-5):     | IP44                              |
|   | Insulation class (IEC 85):      | F                                 |
|   | Length of cable:                | 1.5 m                             |
|   | Power plug:                     | AU                                |
|   | Others:                         |                                   |
|   | Net weight:                     | 17.6 kg                           |
|   | Gross weight:                   | 0 kg                              |
|   | Country of origin:              | CN                                |
|   | Custom tariff no.:              | 8413709062                        |
|   | Environmental approvals:        | WEEE                              |



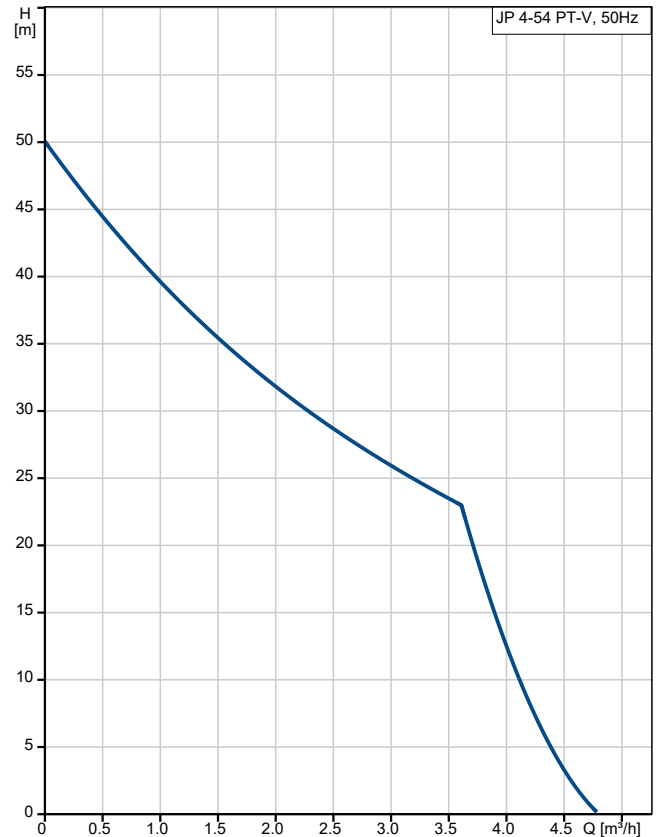
Company name: Land and Water Technology  
Created by:  
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Date: 2/16/2023

### 99463896 JP 4-54 PT-V 50 Hz

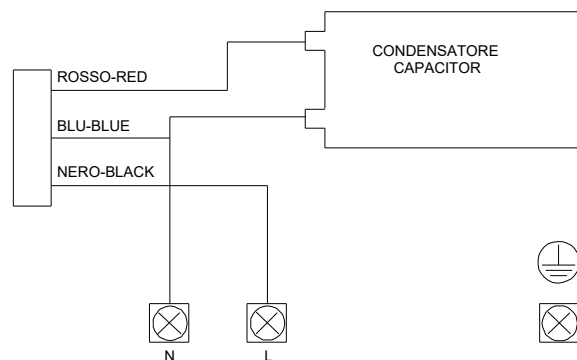
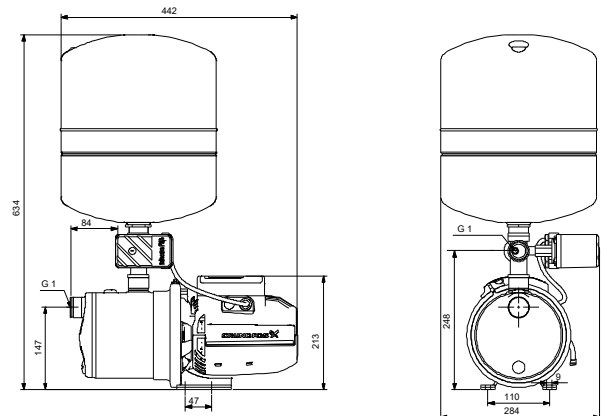


Pumped liquid = Water  
Liquid temperature during operation = 293 K  
Density = 998.2 kg/m³

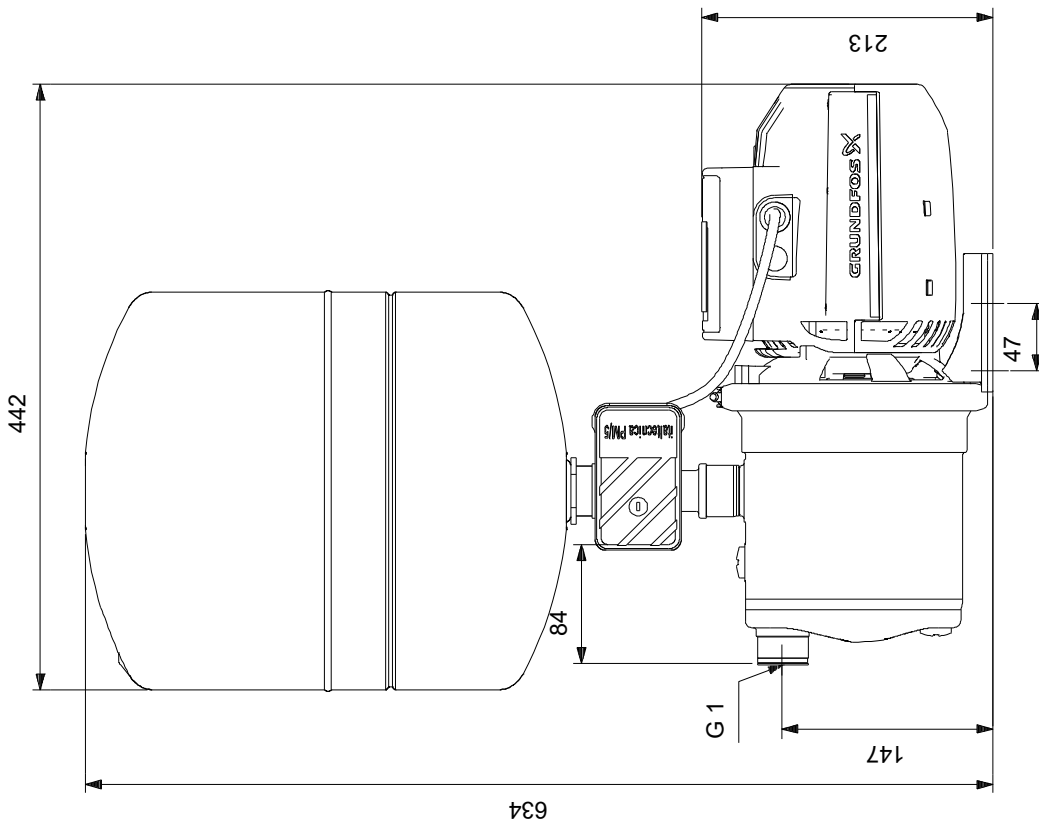
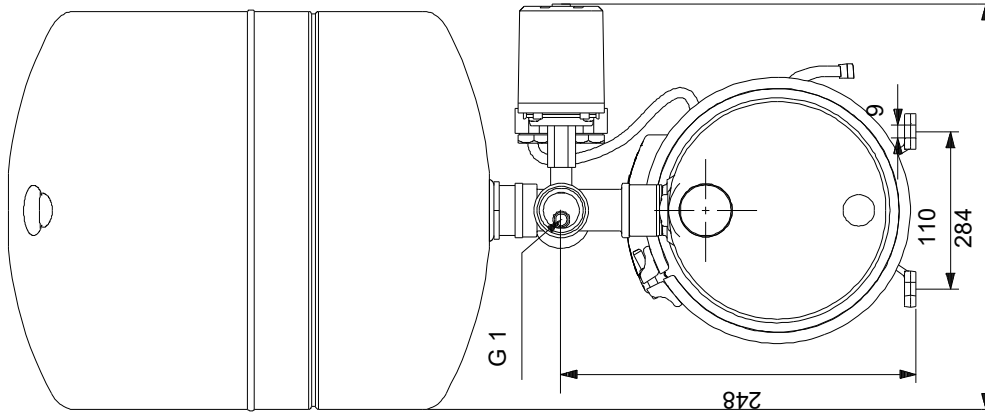
| Description                     | Value                   |
|---------------------------------|-------------------------|
| <b>General information:</b>     |                         |
| Product name:                   | JP 4-54 PT-V            |
| Product No:                     | 99463896                |
| EAN number:                     | 5713829542662           |
| <b>Technical:</b>               |                         |
| Rated flow:                     | 4 m <sup>3</sup> /h     |
| Rated head:                     | 46 m                    |
| Code for shaft seal:            | BBVP                    |
| Approvals:                      | CE,RCM                  |
| Curve tolerance:                | ISO9906:2012 3B         |
| Pump version:                   | A                       |
| Adjustable start pressure:      | Y                       |
| Start pressure:                 | 1.0 - 5.0 bar           |
| Tank volume:                    | 20 l                    |
| Rated speed:                    | 2800 rpm                |
| <b>Materials:</b>               |                         |
| Pump housing:                   | Stainless steel         |
| Pump housing:                   | EN 1.4301               |
| Pump housing:                   | AISI 304                |
| Impeller:                       | Composite               |
| Impeller:                       | PPO-20GF                |
| Material code:                  | A                       |
| <b>Installation:</b>            |                         |
| Range of ambient temperature:   | 273 .. 313 K            |
| Maximum operating pressure:     | PN 6 bar                |
| Pipe connection standard:       | ISO 228-1               |
| Type of inlet connection:       | G(F)                    |
| Type of outlet connection:      | G(F)                    |
| Size of inlet connection:       | 1 inch                  |
| Size of outlet connection:      | 1 inch                  |
| Pressure rating for connection: | PN 6                    |
| <b>Liquid:</b>                  |                         |
| Pumped liquid:                  | Water                   |
| Liquid temperature range:       | 273 .. 313 K            |
| Selected liquid temperature:    | 293 K                   |
| Density:                        | 998.2 kg/m <sup>3</sup> |
| <b>Electrical data:</b>         |                         |
| Power input P1:                 | 1130 W                  |
| Rated power - P2:               | 0.746 kW                |
| Mains frequency:                | 50 Hz                   |
| Rated voltage:                  | 1 x 230 V               |
| Rated current:                  | 5.1 A                   |
| Starting current:               | 17.8 A                  |
| Rated speed:                    | 2800 rpm                |
| Capacitor size - run:           | 16 µF/450 V             |
| Enclosure class (IEC 34-5):     | IP44                    |
| Insulation class (IEC 85):      | F                       |
| Length of cable:                | 1.5 m                   |
| Power plug:                     | AU                      |
| <b>Controls:</b>                |                         |
| Type of connector:              | Type I (AS/NZS 3112)    |
| <b>Others:</b>                  |                         |
| Net weight:                     | 17.6 kg                 |
| Gross weight:                   | 0 kg                    |
| Country of origin:              | CN                      |
| Custom tariff no.:              | 8413709062              |
| Environmental approvals:        | WEEE                    |



Pumped liquid = Water  
 Liquid temperature during operation = 293 K  
 Density = 998.2 kg/m<sup>3</sup>



## 99463896 JP 4-54 PT-V 50 Hz



Note! All units are in [mm] unless others are stated.  
Disclaimer: This simplified dimensional drawing does not show all details.