





## Automatic Pressurization System With Inverter



- **DG PED is an automatic pressurisation system with inverter which integrates:**
  - high efficiency self-priming pump
  - Expansion vessel
  - Pressure and flow rate sensors
  - Non-return valve
- **DG PED is a compact, autonomous, quiet and high performance pumping system.**
- **A sophisticated electronically controlled inverter, at the heart of the system, in an intuitive way:**
  - maintains the pressure of the installation constant by regulating the speed of the pump in accordance with the required flow rate
  - controls the hydraulic and electric operating parameters and protects the pump from anomalies
  - can be equipped with an expansion card that makes it possible to work in parallel with other inverters in the pumping groups by managing input and output signals
  - adapts to every type of pressurization system, including existing ones
  - limits the starting and operating currents in order to provide a greater saving of energy



### ALL IN ONE

**Main components:**  
 Multistage self-priming pump  
 Expansion vessel  
 Non-return valve  
 Intuitive control panel



### COMPACT DIMENSIONS



### DOMESTIC USE

A single DG PED meets the requirements of single apartments or small houses



### LOW-NOISE



### CONSTANT PRESSURE



### EASY TO USE



### RESIDENTIAL USE

Two DG PED assembled as a set meet the requirements of more than one apartment



### INSTALLABLE ANYWHERE

Thanks to its compactness and low noise level the DG PED can be installed anywhere



**MADE IN ITALY**

COMPANY WITH  
 QUALITY SYSTEM  
 CERTIFIED BY DNV GL  
 = ISO 9001 =



## TECHNICAL DATA

- Supply Voltage ~ **115-230 V**
- Frequency **60 Hz**
- Insulation: Class **F**
- Max Absorbed Current:
  - **10 A** 115 V
  - **7.6 A** 230 V
- P1 Maximum Absorbed Power:
  - **1.02 HP** 115 V
  - **1.31 HP** 230 V
- Protection **IP X4**
- Factory Set Point **44 psi**

## APPLICATION LIMITS

- Maximum Suction Lift up to **11 psi**
- Liquid Temperature between **32°F** and **104°F**
- Ambient Temperature between **32°F** and **104°F**
- Maximum Working Pressure **145 psi**
- Continuous Duty Rating **S1**
- Operates in a **Vertical** Position



**CLEAN WATER**

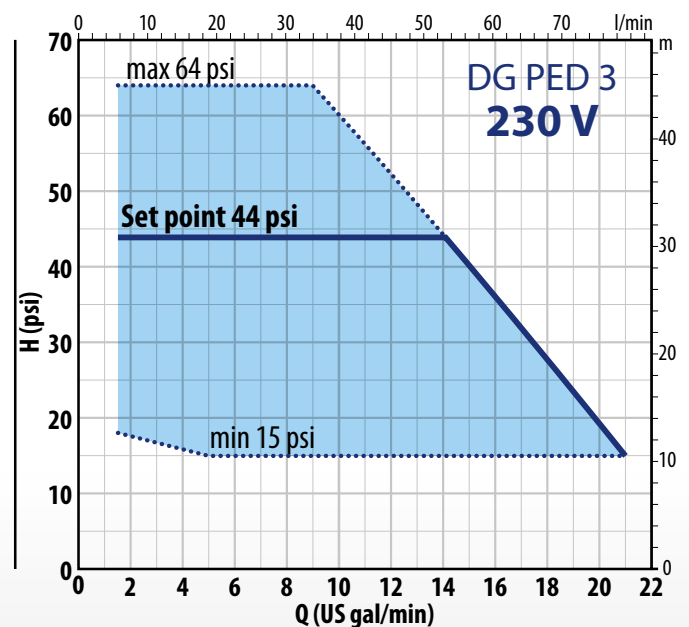
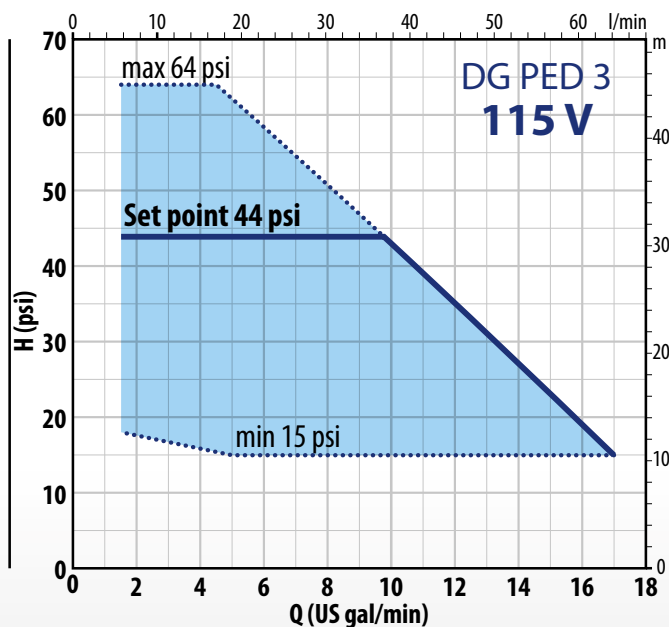


**RESIDENTIAL**



**COMMERCIAL**

## CHARACTERISTIC CURVES



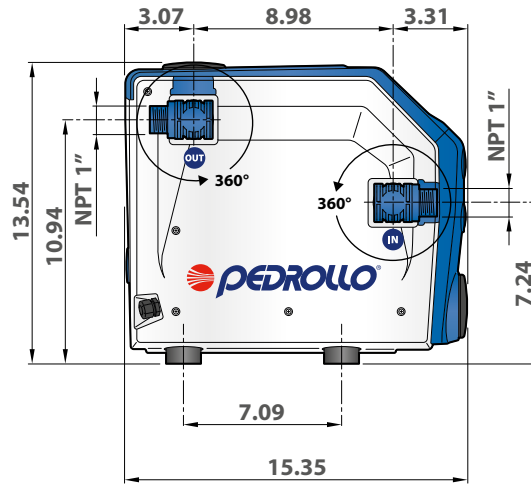
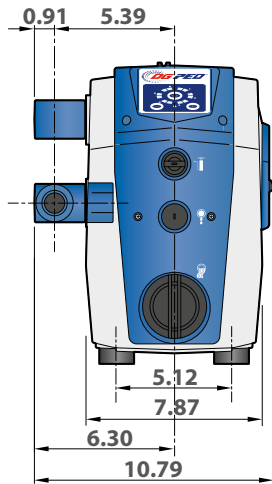
MODEL	POWER		▲	MAX PERFORMANCES		PERFORMANCES (ADJUSTABLE SET POINT)					
	P <sub>2</sub> kW	HP		Q US gal/min	H psi	Min. Set Point psi	US gal/min	Set Point Stand. Setting psi	US gal/min	Max. Set Point psi	US gal/min
<b>DG PED 3 – 115 V</b>	0.55	<b>0.75</b>	IE3	1.5 – 17	64 – 15	15	5 – 17	<b>44</b>	1.5 – <b>9.6</b>	64	1.5 – 4.5
<b>DG PED 3 – 230 V</b>	0.75	<b>1.00</b>		1.5 – 21	64 – 15	15	5 – 21	<b>44</b>	1.5 – <b>14</b>	64	1.5 – 9

Q = Flow rate H = Total manometric head

▲ Three phase motor efficiency class (IEC 60034-30-1)

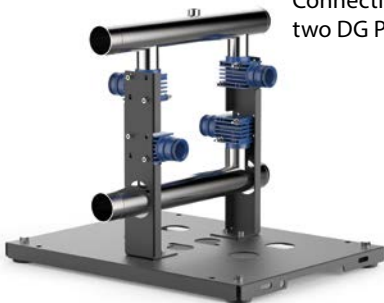
Tolerance of characteristic curves in compliance with EN ISO 9906 Grado 3B.

**DIMENSIONS AND WEIGHT (inch)**



**kg 33 lb**

**OPTIONAL ACCESSORIES**



Connection kit for two DG PED units



Electronic expansion circuit board



Kit for wall-mounting a single DG PED



Kit for wall-mounting a group of two units