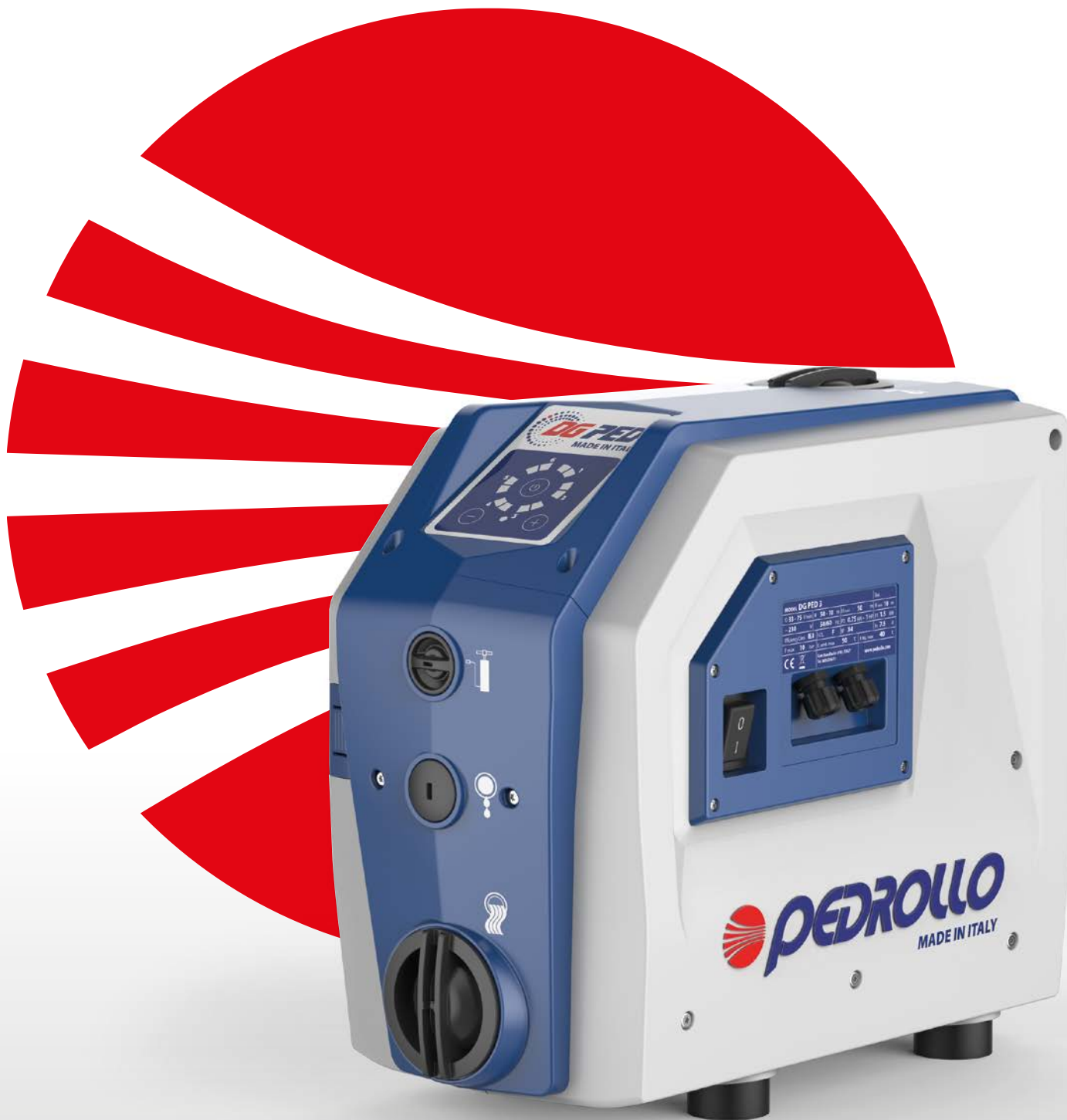




Automatic pressurisation system with inverter





Automatic pressurisation system with inverter



- **DG PED is an automatic pressurisation system with inverter which integrates:**
  - a high efficiency self-priming pump;
  - an expansion vessel;
  - pressure and flow rate sensors;
  - a 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;
  - it adapts to every type of pressurisation system, including existing ones;
  - it 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



### INSTALLABLE ANYWHERE

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



### RESIDENTIAL USE

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



**MADE IN ITALY**

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



## TECHNICAL DATA

- Supply voltage ~ **230 V** ± 10%
- Frequency **50/60 Hz**
- Insulation: class **F**
- Max absorbed current:
  - **7.5 A** DG PED 3
  - **10 A** DG PED 5
- P1 Maximum absorbed power:
  - **1.0 kW** DG PED 3
  - **1.5 kW** DG PED 5
- Protection **IP X4**
- Factory set point **3 bar**

## APPLICATION LIMITS

- Manometric suction lift up to **8 m**
- Liquid temperature between **0 °C** and **+40 °C**
- Ambient temperature between **0 °C** and **+40 °C**
- Max. working pressure **10 bar**
- Continuous service **S1**
- Operates in a **vertical** position



**CLEAN WATER**

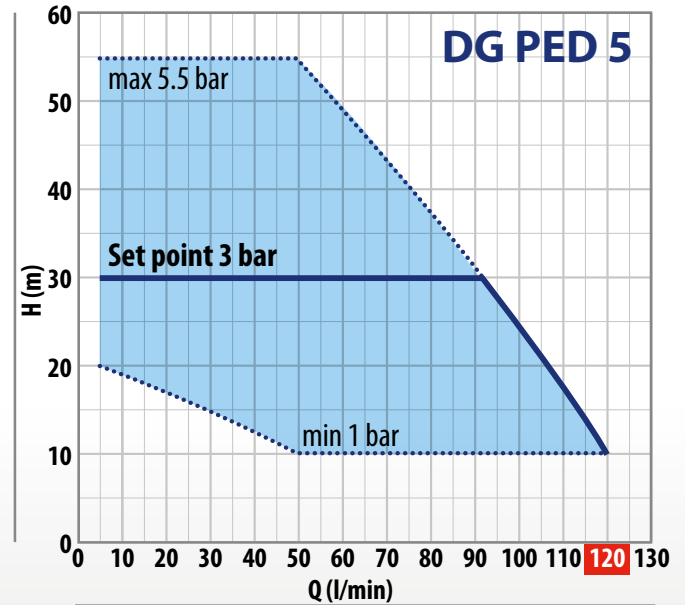
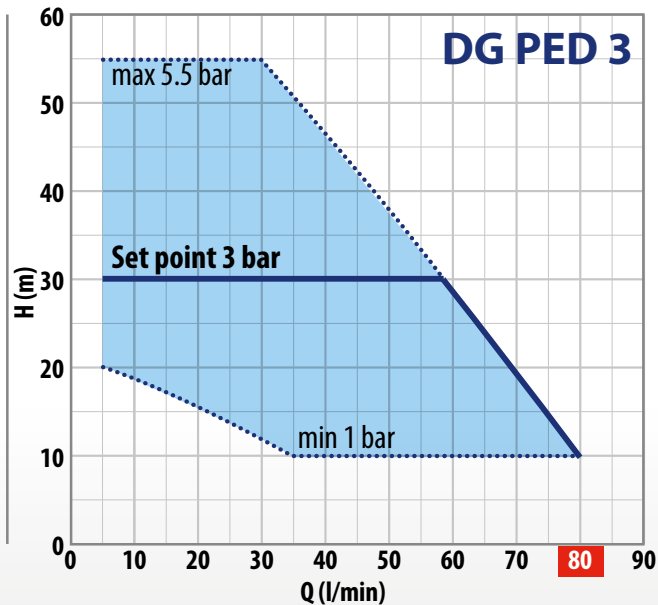


**DOMESTIC USE**



**CIVIL USE**

## CHARACTERISTIC CURVES



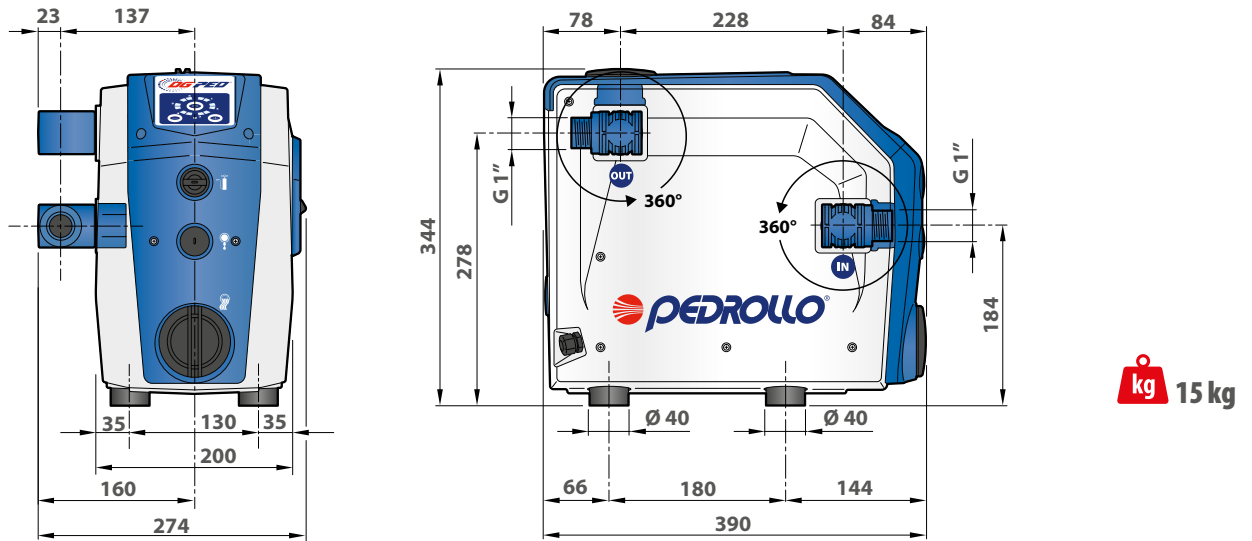
MODEL	POWER			MAX PERFORMANCES		PERFORMANCES (ADJUSTABLE SET POINT)					
	P <sub>2</sub> kW	HP	▲	Q l/min	H metres	Min. Set Point bar	l/min	Set Point Stand. Setting bar	l/min	Max. Set Point bar	l/min
<b>DG PED 3</b>	0.75	1	IE3	5 – 80	55 – 10	1	35 – 80	<b>3</b>	5 – <b>58</b>	5.5	5 – 30
<b>DG PED 5</b>	1.1	1.5		5 – 120	55 – 10	1	50 – 120	<b>3</b>	5 – <b>92</b>	5.5	5 – 50

Q = Flow rate H = Total manometric head

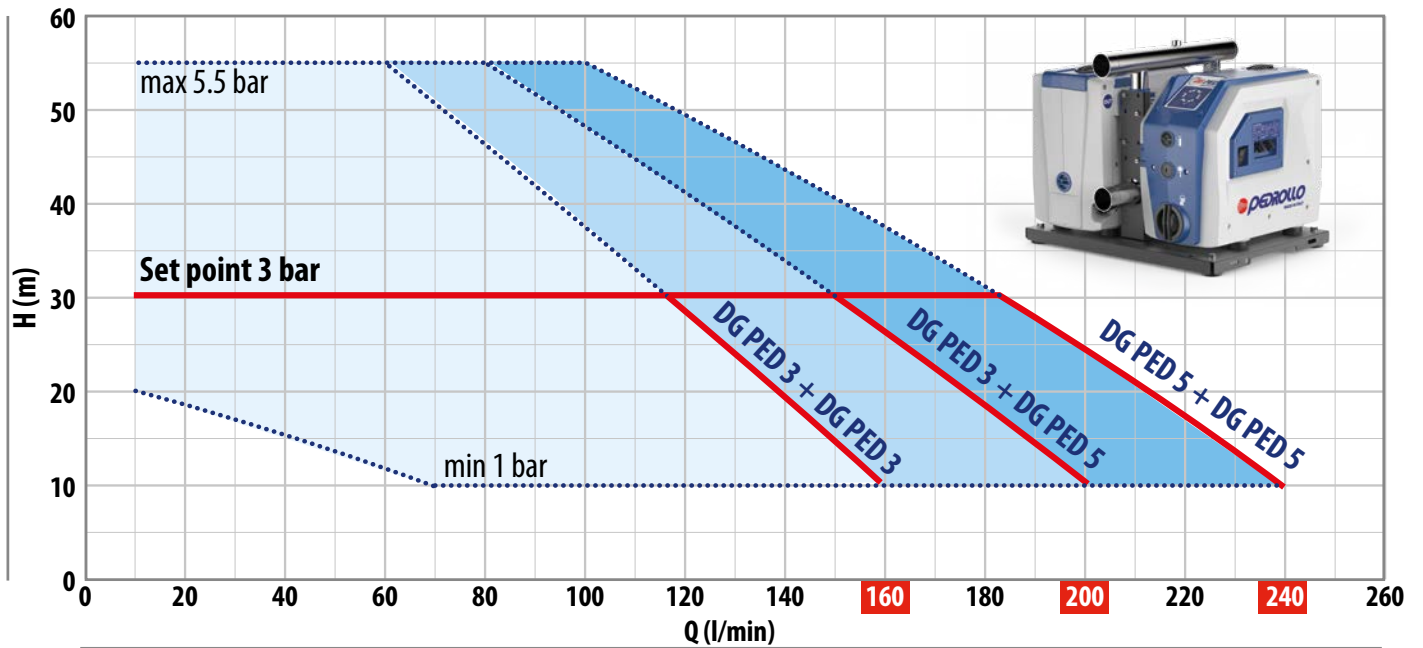
▲ Three phase motor efficiency class (IEC 60034-30-1)

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

## DIMENSIONS (mm)



## CHARACTERISTIC CURVES FOR GROUPS OF TWO DG PED



## 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

### Pedrollo S.p.A.

Via Enrico Fermi, 7 - 37047 San Bonifacio (Verona) Italy

tel. +39 045 6136311 - fax +39 045 7614663

vendite@pedrollo.com - sales@pedrollo.com - www.pedrollo.com