



# ***SMALL PORTABLE PUMPS***

Centrifugal and diaphragm self-priming portable pumps.

*Sustainable Productivity*

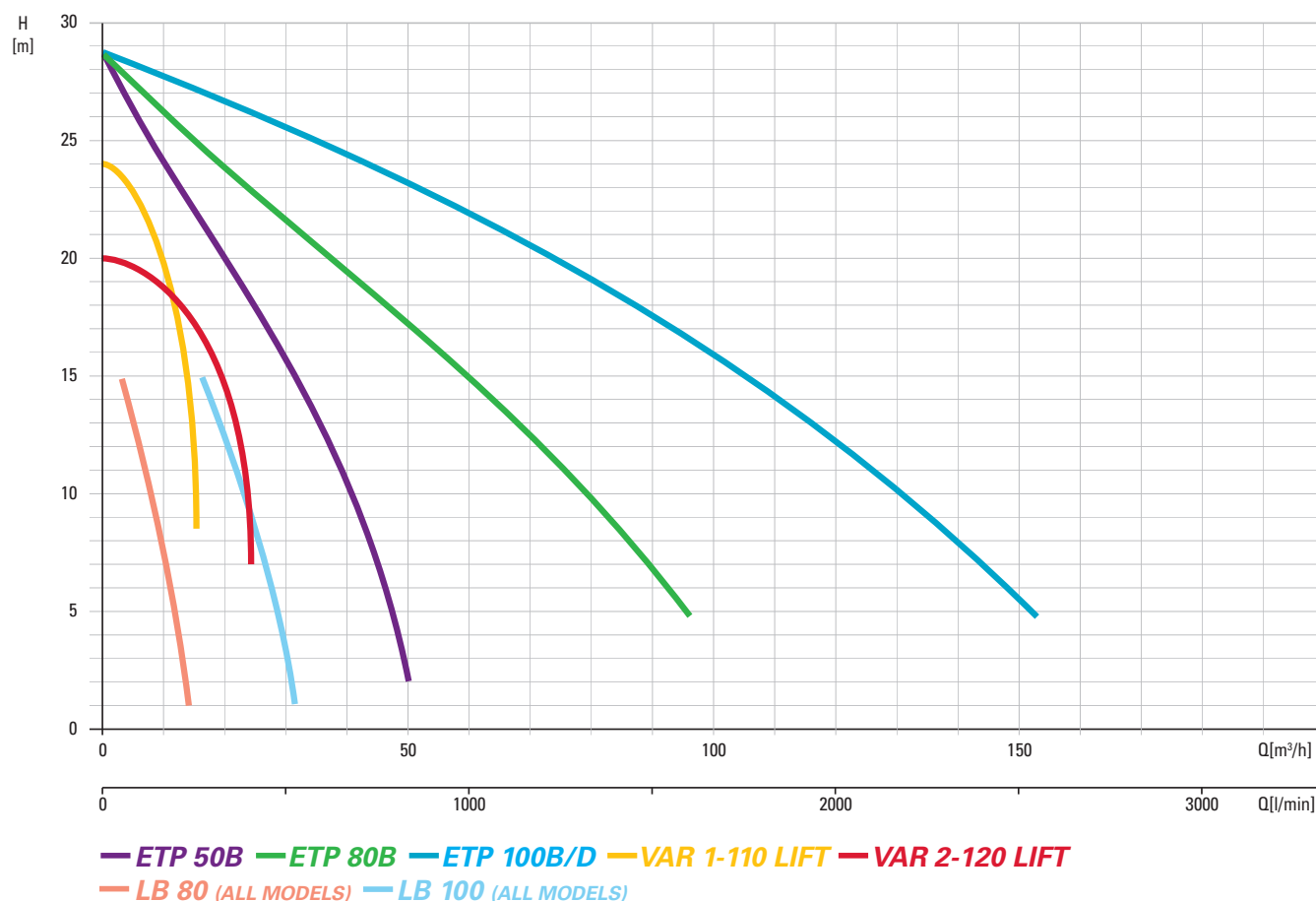
***Atlas Copco***

# SMALL PORTABLE PUMPS

The range of small pumps was carefully chosen to ensure we can cover the maximum amount of applications. The balance of portability and power means you can easily transport them to your application site. The rugged, high performance features ensure performance – even in the harshest of environments.



## PERFORMANCE CURVES



## FORWARD-THINKING

Within Portable Energy we have a [forward-thinking](#) philosophy. Our small pump range was developed in-line with that philosophy. Forward-thinking is all about anticipating and exceeding your future needs: from product design, energy requirements and all aspects of service – looking ahead and staying ahead is the only way we can ensure we are your long term partner.



**Atlas Copco**

# CENTRIFUGAL SELF-PRIMING GASOLINE PORTABLE PUMPS

## VAR 1-110 LIFT AND VAR 2-120 LIFT

The VAR series offers two models. Both are lightweight, highly portable, self-priming, gasoline driven pumps. The VAR models are ideal for multiple applications, including emergency use, general construction and industrial dewatering.

They are the perfect pump to keep on site or in your truck. They are designed to be operational and performing at a moment's notice – ready to go, when you need them.

### KEY FEATURES

- Portable and lightweight
- Solids handling capability
- Low fuel consumption
- Self-priming (wet prime) with a suction lift up to 7,5m

### SPECIFICATIONS

| Model                   |                 | VAR 1-110 LIFT                   | VAR 2-120 LIFT                   |
|-------------------------|-----------------|----------------------------------|----------------------------------|
| Suction/discharge       |                 | 1 1/2" BSP threaded              | 2" BSP threaded                  |
| Max. flow rate          | l/min           | 416                              | 566                              |
| Max. head               | m               | 24                               | 22,5                             |
| Solids handling         | mm              | 20 (0,8")                        | 17 (0,7")                        |
| Weight (dry)            | kg              | 26                               | 41                               |
| <b>Pump set</b>         |                 |                                  |                                  |
| Impeller type           |                 | Semi-open, 3 vane                | Semi-open, 3 vane                |
| Impeller                |                 | EN-GJL-200 cast iron             | EN-GJL-200 cast iron             |
| Wear plate              |                 | EN-GJL-250 cast iron             | EN-GJL-250 cast iron             |
| Pump housing            |                 | EN-GJL-200 cast iron             | EN-GJL-200 cast iron             |
| Shaft                   |                 | C45 Steel                        | C45 Steel                        |
| Mechanical seal         |                 | Silicon Carbide                  | Silicon Carbide                  |
| Elastomers              |                 | Nitrile rubber                   | Nitrile rubber                   |
| Non-return valve        |                 | Nitrile rubber                   | Nitrile rubber                   |
| <b>Engine</b>           |                 |                                  |                                  |
| Model                   |                 | Honda GX 120 Gasoline, aspirated | Honda GX 240 Gasoline, aspirated |
| Displacement            | cm <sup>3</sup> | 118                              | 270                              |
| Number of cylinders     |                 | 1                                | 1                                |
| Max power               | kW              | 2,1                              | 4,7                              |
| Speed                   | rpm             | 3600                             | 3600                             |
| Starter type            |                 | recoil                           | recoil                           |
| <b>Fuel consumption</b> |                 |                                  |                                  |
| Max. fuel consumption   | l/h             | 1                                | 1,5                              |



# CENTRIFUGAL SELF-PRIMING PORTABLE PUMPS

## ETP 50B, ETP 80B, ETP 100B, ETP 100D

The ETP series offers four models. All are lightweight, highly portable, self-priming pumps. We offer three models which are gasoline driven. The ETP 100D model is also available with diesel power. This range of versatile pumps can be used across many applications and are great for emergency use and non-planned events.

### KEY FEATURES

- Portable and lightweight
- Easy maintenance – no special tools needed
- Solids handling capability
- Low fuel consumption
- Self-priming (wet prime) with a suction lift of 7,5m
- Trolley version available (only ETP 100)

### SPECIFICATIONS

| Model                        |                 | ETP 50B                           | ETP 80B                           | ETP 100B                          | ETP 100D                          |
|------------------------------|-----------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>Suction/discharge</b>     |                 | 2" BSP thread                     | 3" BSP thread                     | 4" BSP thread                     | 4" BSP thread                     |
| <b>Max. flow rate</b>        | l/min           | 830                               | 1500                              | 2500                              | 2500                              |
| <b>Max. head</b>             | m               | 28                                | 28                                | 29                                | 29                                |
| <b>Solids handling</b>       | mm              | 27 (1,06")                        | 38 (1,50")                        | 40 (1,60")                        | 40 (1,60")                        |
| <b>Weight (dry)</b>          | kg              | 34                                | 76                                | 85                                | 102                               |
| <b>Pump set</b>              |                 |                                   |                                   |                                   |                                   |
| <b>Impeller type</b>         |                 | Semi-open                         | Semi-open                         | Semi-open                         | Semi-open                         |
| <b>Impeller</b>              |                 | EN-GJL-250 cast iron              | EN-GJL-250 cast iron              | EN-GJL-250 cast iron              | EN-GJL-250 cast iron              |
| <b>Volute</b>                |                 | EN-GJL-250 cast iron              | EN-GJL-250 cast iron              | EN-GJL-250 cast iron              | EN-GJL-250 cast iron              |
| <b>Wear plate</b>            |                 | EN-GJL-250 rubber lined cast iron | EN-GJL-250 rubber lined cast iron | EN-GJL-250 rubber lined cast iron | EN-GJL-250 rubber lined cast iron |
| <b>Pump casing</b>           |                 | UNI 3600 GAlSi5 aluminium alloy   | UNI 3600 GAlSi5 aluminium alloy   | UNI 3600 GAlSi5 aluminium alloy   | UNI 3600 GAlSi5 aluminium alloy   |
| <b>Mechanical seal</b>       |                 | Silicon carbide / Silicon carbide | Silicon carbide / Silicon carbide | Silicon carbide / Silicon carbide | Silicon carbide / Silicon carbide |
| <b>Elastomers</b>            |                 | Nitrile rubber                    | Nitrile rubber                    | Nitrile rubber                    | Nitrile rubber                    |
| <b>Non-return valve</b>      |                 | Nitrile rubber - Galvanized steel | Nitrile rubber - Galvanized steel | Nitrile rubber - Galvanized steel | Nitrile rubber - Galvanized steel |
| <b>Engine</b>                |                 |                                   |                                   |                                   |                                   |
| <b>Model</b>                 |                 | Honda GX160 Gasoline              | Honda GX270 Gasoline              | Honda GX390 Gasoline              | Lombardini 15LD500 Diesel         |
| <b>Displacement</b>          | cm <sup>3</sup> | 163                               | 270                               | 389                               | 505                               |
| <b>Number of cylinders</b>   |                 | 1                                 | 1                                 | 1                                 | 1                                 |
| <b>Max power</b>             | kW              | 4                                 | 6                                 | 9,6                               | 7,5                               |
| <b>Speed (variable max)</b>  | rpm             | 3600                              | 3600                              | 3600                              | 3600                              |
| <b>Starter type</b>          |                 | recoil                            | recoil                            | recoil                            | recoil                            |
| <b>Fuel consumption</b>      |                 |                                   |                                   |                                   |                                   |
| <b>Fuel tank capacity</b>    | l               | 3,6                               | 5,3                               | 6,5                               | 5                                 |
| <b>Max. fuel consumption</b> | l/h             | 1,4                               | 2,5                               | 3,4                               | 2,2                               |

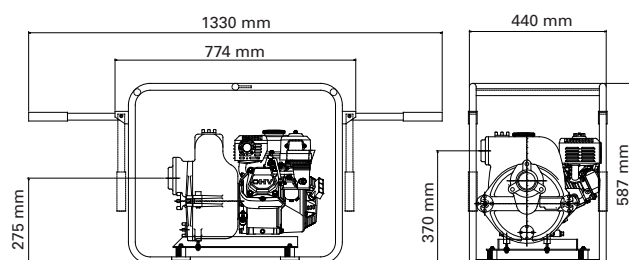


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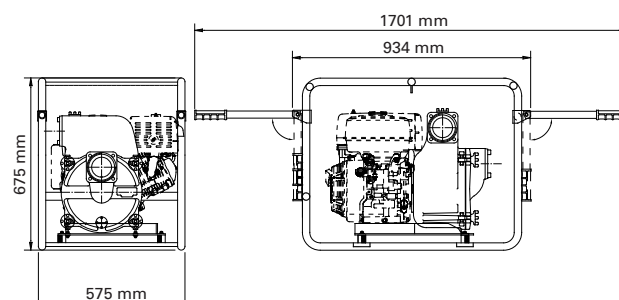
# DIMENSIONS ETP, VAR

## DIMENSIONS ETP

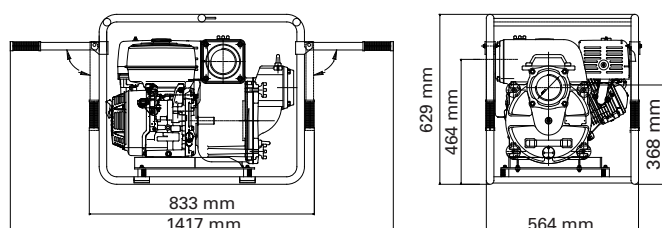
### ETP 50B



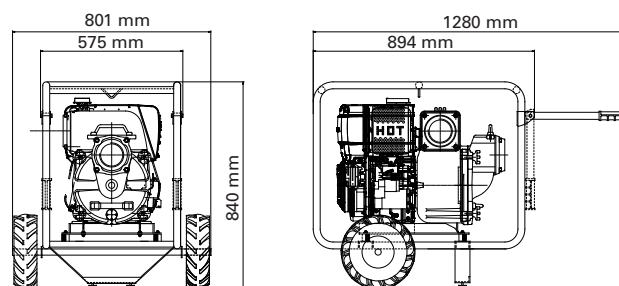
### ETP 80B



### ETP 100B / 100D

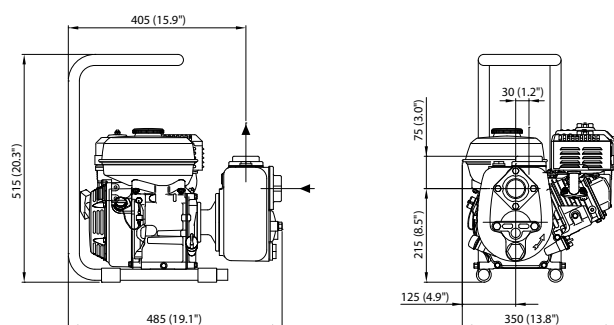


### ETP 100B / 100D TROLLEY

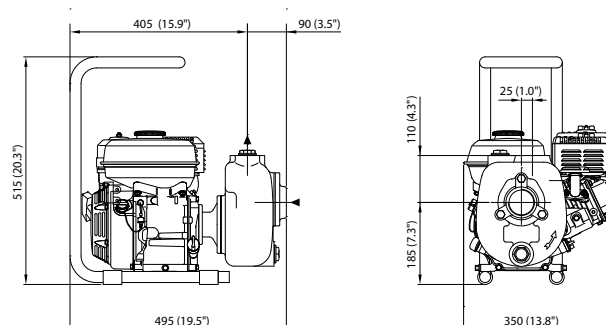


## DIMENSIONS VAR

### VAR 1-110 LIFT



### VAR 2-120 LIFT



# DIAPHRAGM SELF-PRIMING PORTABLE PUMPS

## LB 80B, LB 80D, LB 80E, LB 100B, LB 100D, LB 100E

The LB pump series offers two models, each with three options on the power source. To enable maximum versatility and to make a pump that fits with your needs, we offer a choice of gasoline, diesel or electric power.

The LB series was made for tough applications and excels when it comes to pumping sludgy water or water with large solids. Despite its extreme ruggedness, the LB pump series maintains the extreme portability you have come to expect from our small pump range.



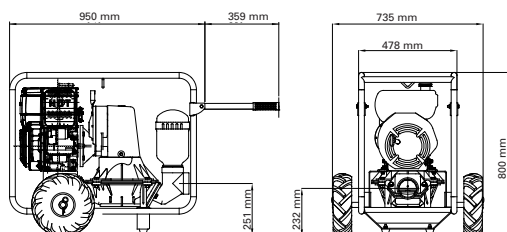
### TYPICAL APPLICATIONS

- Recirculation of bentonite and drilling mud
- Sludge removal
- Pumping sewage or other liquids containing fibrous material
- Pumping cutting or dressing water circulation in stone industries
- Cleaning manholes

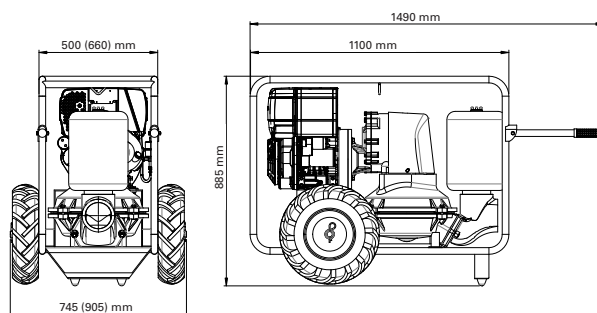


### DIMENSIONS LB

#### DIMENSIONS LB 80 (ALL MODELS)



#### DIMENSIONS LB 100D-E (B GASOLINE)





## SPECIFICATIONS

| Model               |       | LB 80B          | LB 80D          | LB 100B          | LB 100D          | LB 80E          | LB 100E          |
|---------------------|-------|-----------------|-----------------|------------------|------------------|-----------------|------------------|
| Suction/discharge   |       | 3" BSP thread   | 3" BSP thread   | 4" BSP thread    | 4" BSP thread    | 3" BSP thread   | 4" BSP thread    |
| Max. flow rate      | l/min | 325             | 325             | 530              | 530              | 325             | 520              |
| Max. head           | m     | 15              | 15              | 15               | 15               | 15              | 15               |
| Solids handling     | mm    | 50 (2")         | 50 (2")         | 60 (2,3")        | 60 (2,3")        | 50 (2")         | 60 (2,3")        |
| Max. viscosity      | cST   | 1000            | 1000            | 1000             | 1000             | 1000            | 1000             |
| Weight (dry)        | kg    | 74              | 92              | 144              | 155              | 71              | 137              |
| <b>Pump set</b>     |       |                 |                 |                  |                  |                 |                  |
| Pump type           |       | Diaphragm       | Diaphragm       | Diaphragm        | Diaphragm        | Diaphragm       | Diaphragm        |
| Membrane            |       | Neoprene        | Neoprene        | Neoprene         | Neoprene         | Neoprene        | Neoprene         |
| Casted parts        |       | Aluminium       | Aluminium       | Aluminium        | Aluminium        | Aluminium       | Aluminium        |
| Discharge / suction |       | Aluminium       | Aluminium       | Aluminium        | Aluminium        | Aluminium       | Aluminium        |
| Valves              |       | Neoprene        | Neoprene        | Neoprene         | Neoprene         | Neoprene        | Neoprene         |
| <b>Dimensions</b>   |       |                 |                 |                  |                  |                 |                  |
| L x W x H           | mm    | 950 x 735 x 800 | 950 x 735 x 800 | 1100 x 905 x 885 | 1100 x 745 x 885 | 950 x 735 x 800 | 1100 x 745 x 885 |



## ENGINE - DIESEL & GASOLINE

| Model                   |     | LB 80B                   | LB 80D                       | LB 100B                  | LB 100D                      |
|-------------------------|-----|--------------------------|------------------------------|--------------------------|------------------------------|
| Model                   |     | Honda GX 160<br>Gasoline | Lombardini 15LD225<br>Diesel | Honda GX 270<br>Gasoline | Lombardini 15LD350<br>Diesel |
| Displacement            | cm³ | 163                      | 224                          | 389                      | 349                          |
| Number of cylinders     |     | 1                        | 1                            | 1                        | 1                            |
| Max power               | kW  | 3,3                      | 2,7                          | 5,7                      | 4                            |
| Speed                   | rpm | Variable max 2900        | Variable max 2900            | Variable max 2800        | Variable max 2800            |
| Starter type            |     | recoil                   | recoil                       | recoil                   | recoil                       |
| <b>Fuel consumption</b> |     |                          |                              |                          |                              |
| Fuel tank capacity      | l   | 3,6                      | 3                            | 6,5                      | 4,3                          |
| Max. fuel consumption   | l/h | 1,2                      | 0,8                          | 2,7                      | 1,2                          |



## ENGINE - ELECTRIC

| Model         |     | LB 80E                 | LB 100E                |
|---------------|-----|------------------------|------------------------|
| Model         |     | Electric - Three-phase | Electric - Three-phase |
| Voltage       | V   | 230 / 400              | 230 / 400              |
| Frequency     | Hz  | 50                     | 50                     |
| Rated power   | kW  | 2,2                    | 3                      |
| Rated current | A   | 4,5 (400 V)            | 6,3 (400 V)            |
| Speed         | rpm | 2900                   | 1450                   |

# Product Portfolio

## AIR COMPRESSORS

### READY TO GO

- 1-5 m<sup>3</sup>/min
- 7-12 bar



### VERSATILITY

- 5,5-22 m<sup>3</sup>/min
- 7-20 bar



Diesel and electric options available

### PRODUCTIVITY PARTNER

- 19-116 m<sup>3</sup>/min
- 10-345 bar



## GENERATORS

### PORTABLE

- 1,6-12 kVA



### MOBILE

- 9-1250\* kVA



### INDUSTRIAL

- 10-2250\* kVA



\*Multiple configurations available to produce power for any size application

## DEWATERING PUMPS

### ELECTRIC SUBMERSIBLE

- 250-16.500 l/min



### CENTRIFUGAL

- 833-23.300 l/min



Diesel and electric options available

### SMALL PORTABLE

- 210-2500 l/min



## LIGHT TOWERS

### LED



### METAL HALIDE



### ELECTRIC



## Committed to sustainable productivity

Atlas Copco's Power Technique business area has a forward-thinking philosophy. For us, creating customer value is all about anticipating and exceeding your future needs – while never compromising our environmental principles. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

[www.atlascopco.com](http://www.atlascopco.com)

**Atlas Copco**