# LGP
## Gasoline Cast Iron Centrifugal Pump



## Application

- To transfer clean water with liquid temperature between 0℃ and 40℃
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, etc.

## Features

- Strengthened cast-iron pump body ensures more durable and reliable service
- Impeller designed with high efficient hydraulic system
- High quality engine with excellent performance and long service life
- Better sealing effect by using special mechanical seal
- Low fuel consumption

## Pump

- Anti -rust cast iron pump body
- Aluminum alloy impeller
- Max.Suction: 8 m , Suck 5 m needs 120 s
- Inlet/outlet: 50 mm

## Engine

- Single cylinder, 4-stroke, Air-cooled
- Max.power: 6.5 HP
- Rated speed: 3600 rpm
- Reliable engine equiped with low engine oil shut off system

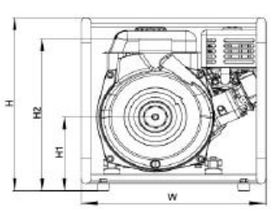
## Identification Codes

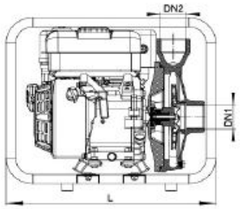
**L GP 20 i - A**

- A — Symbol for Product Optimization
- i — Features
- 20 — Inlet/Outlet Diameter(2")
- GP — Gasoline Engine Pump
- L — LEO Product Style

## Technical Data

| Model | Power | Fuel Tank | Engine Oil | Displacement | Engine | Q($m^3$/h) | 0 | 5 | 10 | 15 | 20 | 25 | 28 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | HP | L | L | cc | | Q(l/min) | 0 | 83.3 | 166.7 | 250 | 333.3 | 416.7 | 466.7 |
| LGP20i-A | 6.5 | 3.1 | 0.55 | 196 | G200 | H(m) | 50 | 48 | 46 | 40 | 28 | 11.5 | 5 |

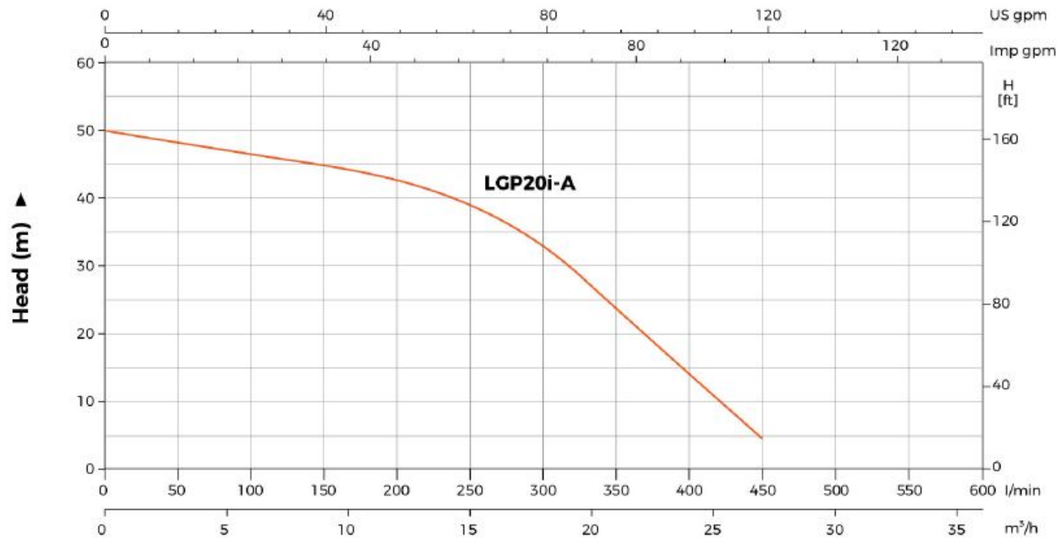



## Dimension

| Model | DN1 | DN2 | L (mm) | W (mm) | H (mm) | H1 (mm) | H2 (mm) |
|---|---|---|---|---|---|---|---|
| LGP20i-A | 2" | 2" | 476 | 420 | 440 | 180 | 370 |

## Hydraulic Performance Curves




## Material Table

| No. | Part | Material |
|---|---|---|
| 1 | Frame | Steel |
| 2 | Engine | |
| 3 | Pump cover | HT200 |
| 4 | O-ring | NBR |
| 5 | Mechanical seal | Carbon/Ceramic |
| 6 | Impeller | Aluminum |
| 7 | Pump body | HT200 |
| 8 | Plug | HPb59-1 |
| 9 | O-ring | NBR |
| 10 | Plug | HPb59-1 |




## Package Information

| Model | GW (Kgs) | L (mm) | W (mm) | H (mm) | Quantity (PCS/20'TEU) |
|---|---|---|---|---|---|
| LGP20i-A | 30 | 470 | 433 | 450 | 325 |

