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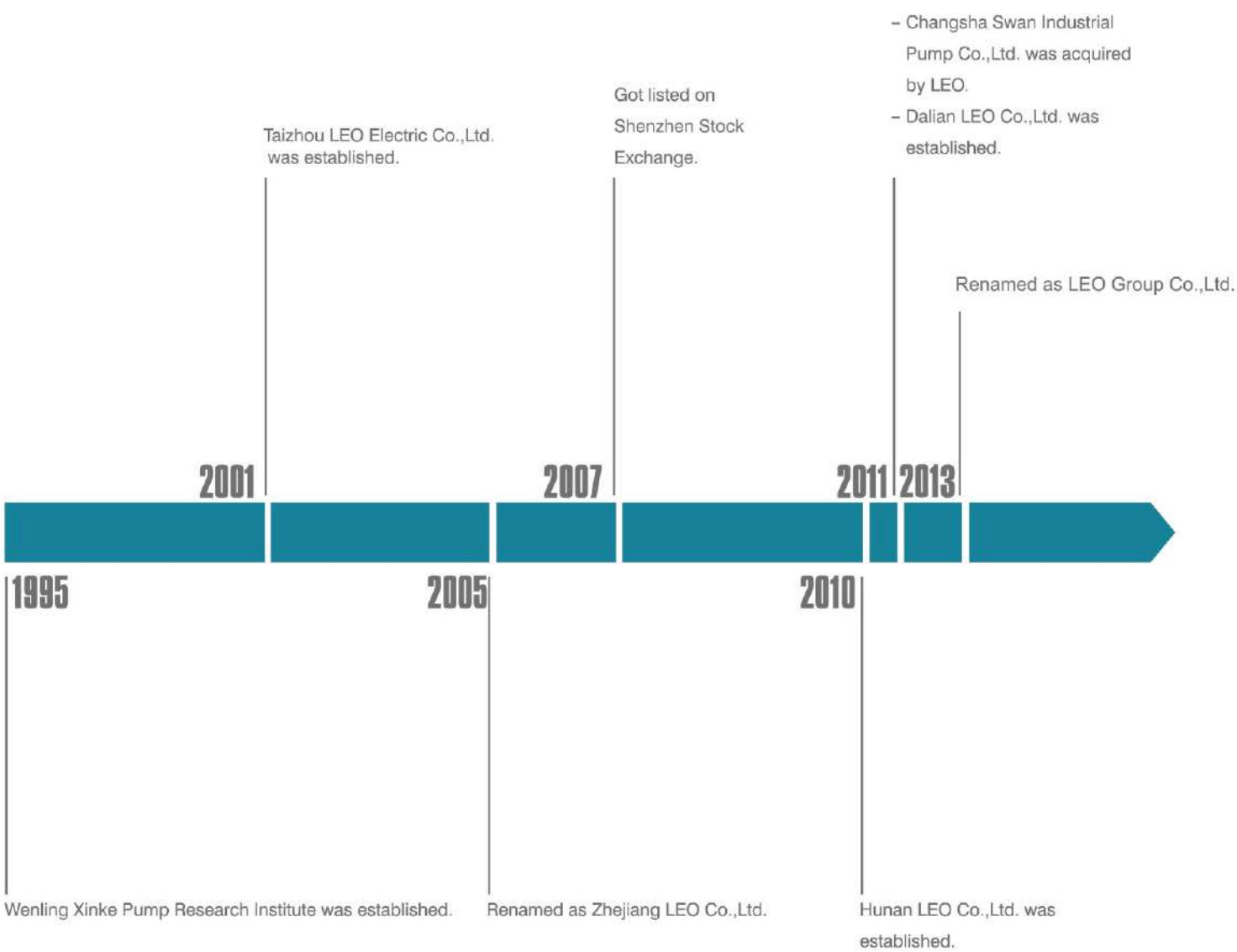
- 07 -

Pumps

- Gasoline Water Pump
- Gasoline Sewage Pump
- Diesel Water Pump



HISTORY



TO KNOW LEO

LEO Group (got listed in Shenzhen Stock Exchange with stock code 002131) is a national high-tech enterprise engaged in R&D, design , manufacture, sales and service of all series pump. LEO is the first listed company in Chinese pump industry, one of the drafters of pump industry standard and the vice president of drainage and irrigation machinery branch of China Agricultural machinery industry association as well. It is mentionable that LEO has the only state-authorized technical center in this industry.

Our products have been sold to over 120 countries and regions, such as Europe, North America, Central &South America, Southeast Asia, Middle East, Africa, Oceania ,etc., which play a crucial role in water conservancy , water resources, electric power construction, petrochemical industry, mining, metallurgy, fire-fighting, HVAC(Heating, Ventilation and Air Conditioning), agricultural irrigation, civil water supply and drainage, etc.

LEO has currently two industrial groups respectively for industrial and civilian applications. With five manufacturing bases in Wenling of Zhejiang, Xiangtan of Hunan, Changsha of Hunan, Wuxi of Jiangsu and Dalian of Liaoning, LEO possesses a solid foundation to become a world-class pump and system solution provider rapidly.

With over 70 years' professional technology, LEO will continue her consistent creativity and development ability in each pump for human's health.



NUMEROUS MEMBERS, ONE FAMILY

Based on market segment, LEO's pump business is divided into 5 fields, namely water conservancy & water resources, power station, petrochemical industry, mining & metallurgical industry and civilian applications. For each field there's a professional manufacturing base with relevant professional sales teams. Four subsidiary companies – Wuxi LEO Xi Pump, Changsha LEO Swan Pump, Dalian LEO Huaneng Pump and Hunan LEO Pump are all well-known industrial pump manufacturers in their own fields. With over 70 years' industrial pump manufacturing experience and extraordinary comprehensive strength, LEO becomes a leading company among all industrial pump manufacturers in China.



Pump Manufacturing Base for Domestic and Commercial Applications
(Wenling City, Zhejiang Province)

It is the core base for R&D, manufacturing, sales and service of domestic and commercial pumps for family water supply, pipeline boosting, garden and field irrigation, HVAC, etc.

The leading products include peripheral pump, jet pump, centrifugal pump, garden submersible pump, fountain pump, pool pump, domestic lifting station, gasoline engine pump, diesel engine pump, submersible pump, submersible borehole pump, submersible sewage pump, stainless steel vertical multistage pump, etc.

The product range covers 15 series with over 2,000 specifications, which are well sold in more than 120 countries and regions. The base has established steady cooperative relationships with world-class pump manufacturers, importers, dealers and hypermarkets.



Pump Manufacturing Base for General Industrial Pumps
(Xiangtan City, Hunan Province)

It is the most important base for industrial pumps.

The products are mainly used in mine, metallurgy, coal washing, FGD, municipal water, etc.

A world-class pump testing center with testing power up to 12,500 kW realizes high precision tests for real pumps which are used for power station, water conservancy and water resources, petrochemical industry, mining and metallurgical industry.



Pump Manufacturing Base for Water Conservancy & Water Resources
(Wuxi City, Jiangsu Province)

This base grew out of Wuxi Xi Pump Manufacturing Co., Ltd, a well-known manufacturer for water conservancy.

The base is specialized in production of large and medium-sized pumps for urban water supply and drainage, field irrigation, water conservancy projects and large water diversion projects. The main products cover 8 series with 995 specifications.

With great honor, the model 300HW-8 mixed-flow pump won the first national quality award of Chinese pump industry. As a main supplier, the base provides large pumps for South-to-North Water Diversion Project, a national key project.



Pump Manufacturing Base for Petrochemical Industry
(Dalian City, Liaoning Province)

The predecessor of this base is Dalian Huaneng Corrosion-Resistant Pump Works, who's a well-known pump manufacturer in petrochemical industry.

The base is specialized in production of petrochemical pumps for the upstream industry of oil and gas (including exploration, exploitation and storage) and downstream industry of petrochemicals (including crude oil refinery, heavy chemical industry, fine chemistry and coal chemical industry).

The base focuses on design and manufacture of 30 series (OH, BB, VS, etc.) of petrochemical pumps with over 3,000 specifications, which are in accordance with API and ISO standard. The production of large crude oil long distance pipeline pump (BB1 and BB2) and HTHP overloaded pump (BB3 and BB4) is available. LNG cryo-pump is already in development.

The base is Class A supplier of CNPC and qualified sub supplier of Shenhua Group.



Application

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

Features

- New unique design with ergonomic feature
- Portable and compact pump frame
- High quality motor with excellent performance and long service life
- Impeller designed with high efficient hydraulic system
- Low fuel consumption

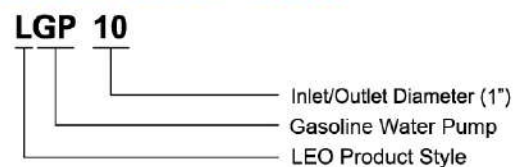
Pump

- Anti-rust cast iron impeller and diffuser
- Max. suction: 8 m/120 s
- Inlet/outlet: 25 mm/38 mm

Engine

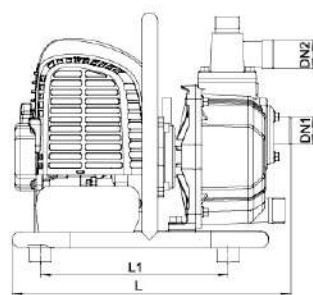
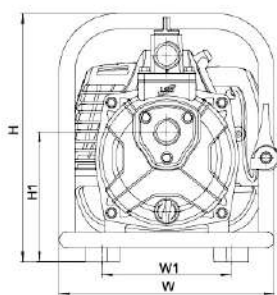
- Single cylinder, 2-stroke, Air-cooled
- Max. power: 1.6 HP
- Displacement: 42.7 cc
- Rated speed: 7500 rpm

Identification Codes



Technical Data

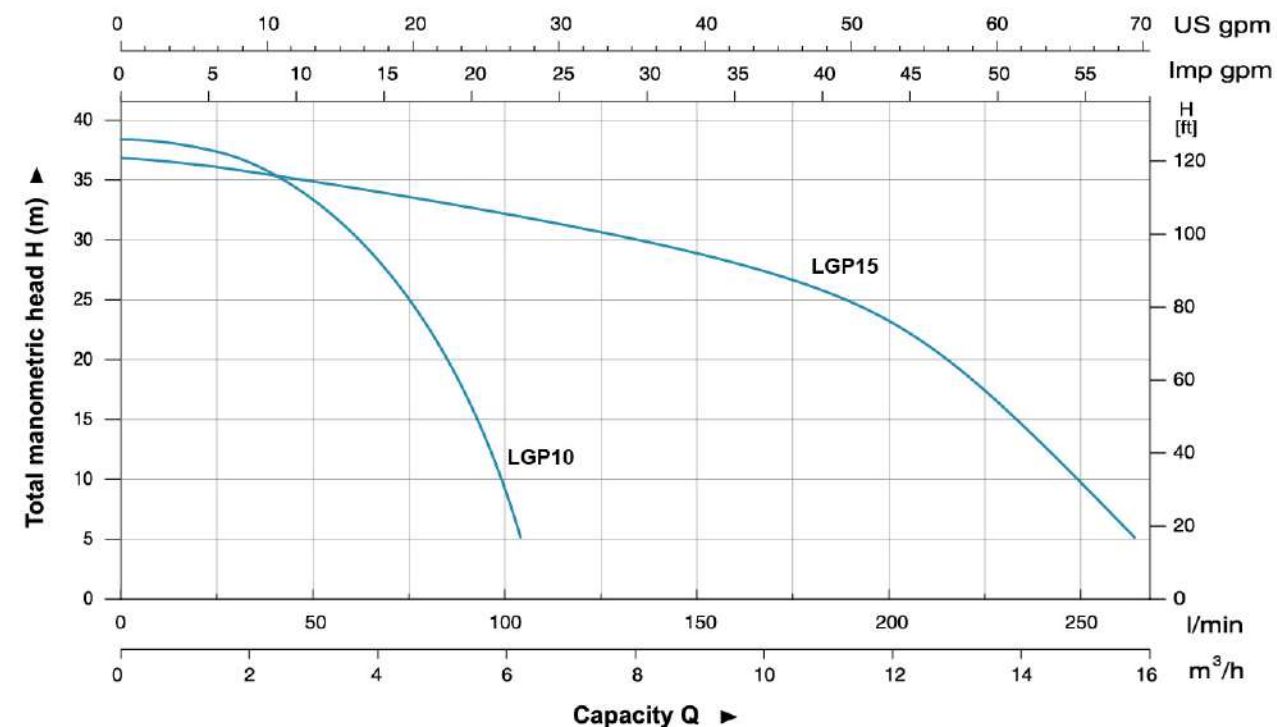
MODEL	POWER	Q (m³/h) Q (l/min)	0	2	4	6	8	10	12	14	16	18
	HP		0	33.3	66.7	100	133.3	166.7	200	233.3	266.7	300
LGP10	1.6	H (m)	38	35.7	26.9	6	-	-	-	-	-	-
LGP15	1.6		37	36.8	34	33	30	22.5	23.5	15	5	-



Dimension

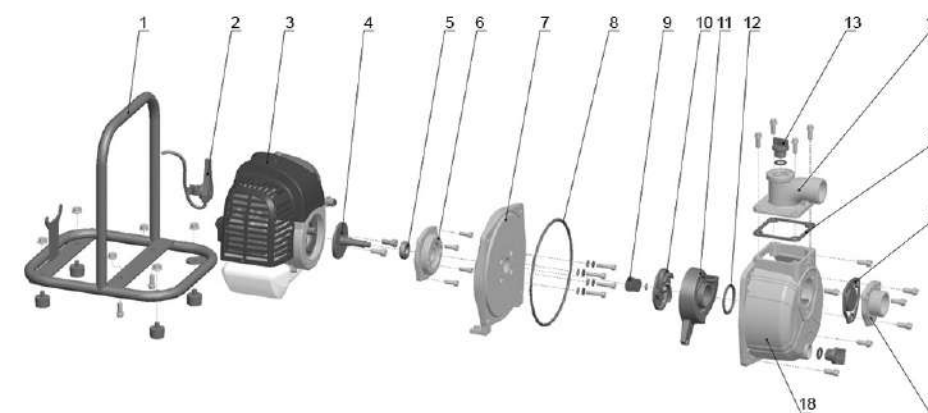
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
LGP10	1"	1"	336	279	300	217.5	155	157
LGP15	1 1/2"	1 1/2"	344	279	345	233	175	144

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Throttle trigger	
3	Engine	
4	Crankshaft	
5	Bearing	
6	Seal connection	Aluminum
7	Pump cover	Aluminum
8	O-ring	NBR
9	Mechanical seal	Carbon/Ceramic
10	Impeller	HT200
11	Diffuser	HT200
12	O-ring	NBR
13	Plug	PP
14	Outlet	Aluminum
15	Seal	NBR
16	Non-return valve	NBR
17	Inlet	Aluminum
18	Pump body	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
LGP10	8.1	350	290	325	896
LGP15	8.3	355	290	370	768





Application

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

Features

- 4-stroke gasoline engine power performance, structural optimization and upgrading
- Ignition more convenient, more complete combustion, low energy consumption, more environmentally friendly
- Strengthened pump body ensures more durable and reliable service
- Better sealing effect by using special mechanical seal
- Impeller designed with high efficient hydraulic system

Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m/120 s
- Inlet/outlet: 38 mm

Engine

- Single cylinder, 4-stroke, Air-cooled
- Max.power: 2 HP
- Displacement: 87 cc
- Rated speed: 3600 rpm

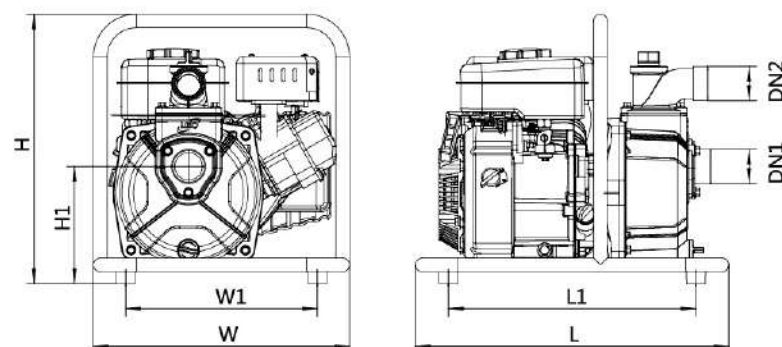
Identification Codes

LGP15-A

- Symbol for Product Optimization
- Inlet/Outlet Diameter (1 1/2")
- Gasoline Water Pump
- LEO Product Style

Technical Data

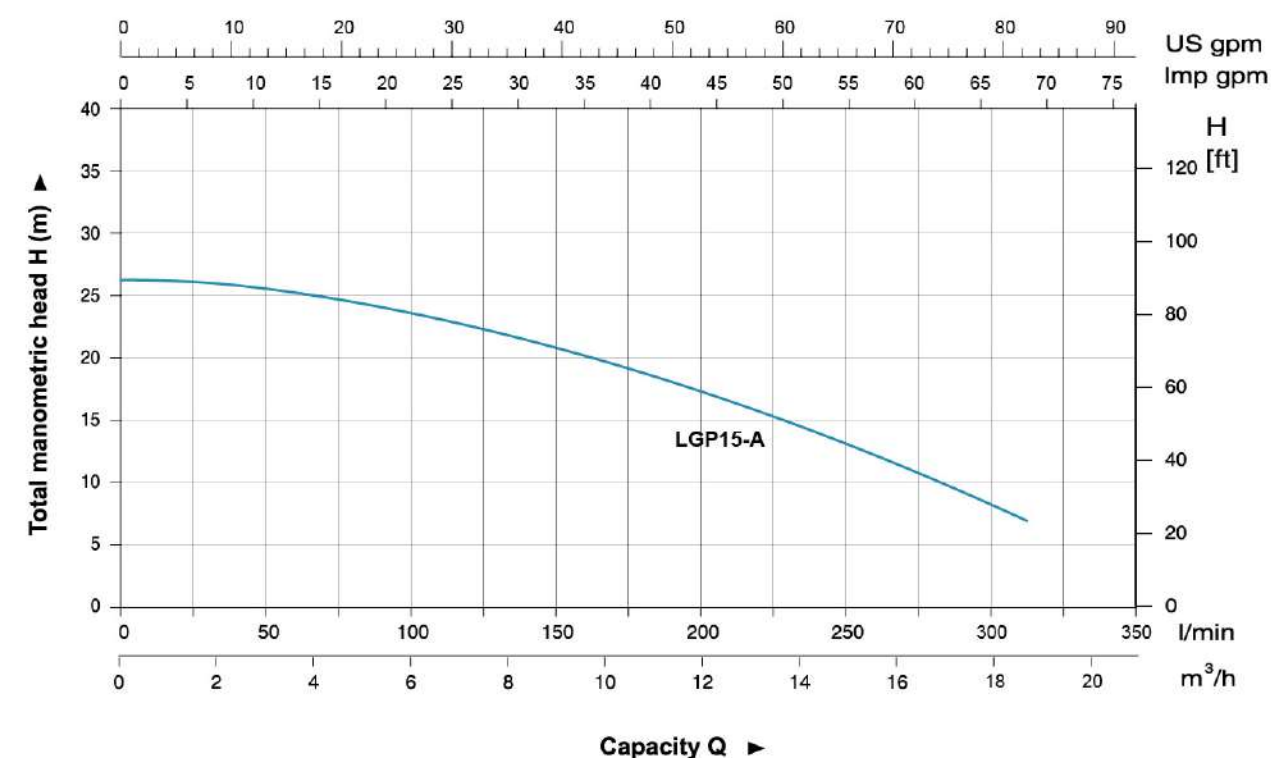
MODEL	POWER	Q (m³/h)	0	2	4	6	8	10	12	14	16	18
	HP	Q (l/min)	0	33.3	66.7	100	133.3	166.7	200	233.3	266.7	300
LGP15-A	6.5	H (m)	26	25	24.8	23	22	20	17	15	12	7.2



Dimension

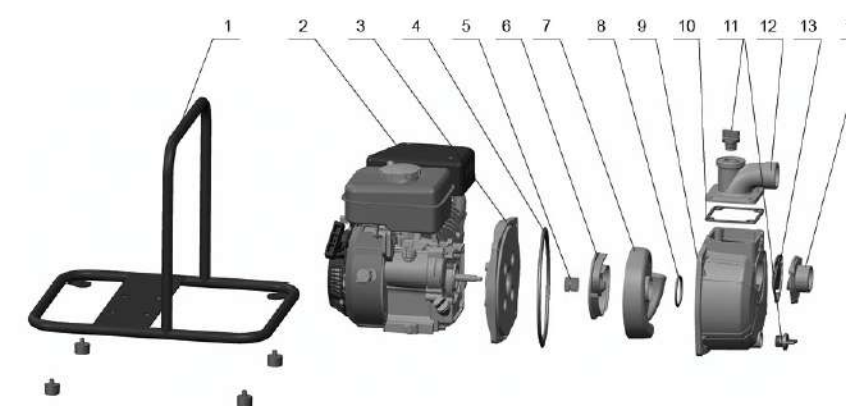
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	L1 (mm)	W1 (mm)	H1 (mm)
LGP15-A	1 1/2"	1 1/2"	438	358	377	346	268	164.2

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Pump cover	Aluminum
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	HT200
7	Diffuser	HT200
8	O-ring	NBR
9	Pump body	Aluminum
10	Seal	NBR
11	Plug	PP
12	Outlet	Aluminum
13	Non-return valve	NBR
14	Inlet	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
LGP15-A	15.5	464	378	400	340





Application

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

Features

- Strengthened pump body ensures more durable and reliable service
- Better sealing effect by using special mechanical seal
- 5-direction outlet for convenient use
- Improved starter handle for easier starting
- 20% increased loading quantity thanks to very compact design
- Less gasoline consumption
- LEO engine as default, BS/Honda engine is optional

Pump

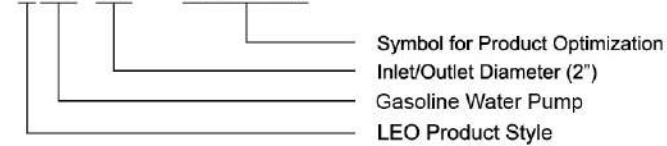
- Anti-rust cast iron impeller and diffuser
- High quality forged steel crankshaft
- Max. suction: 5 m/120 s
- Inlet/outlet: 38 mm/50 mm/80 mm

Engine

- Single cylinder, 4-stroke, Air-cooled
- Max. power: 3 HP/5.5 HP/6.5 HP
- Displacement: 87 cc/163 cc/196 cc
- Rated speed: 3600 rpm

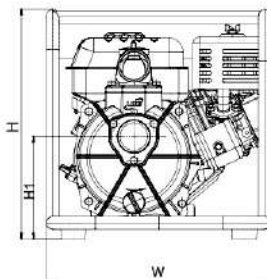
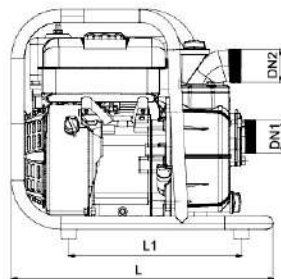
Identification Codes

LGP 20 - A(B.2B)



Technical Data

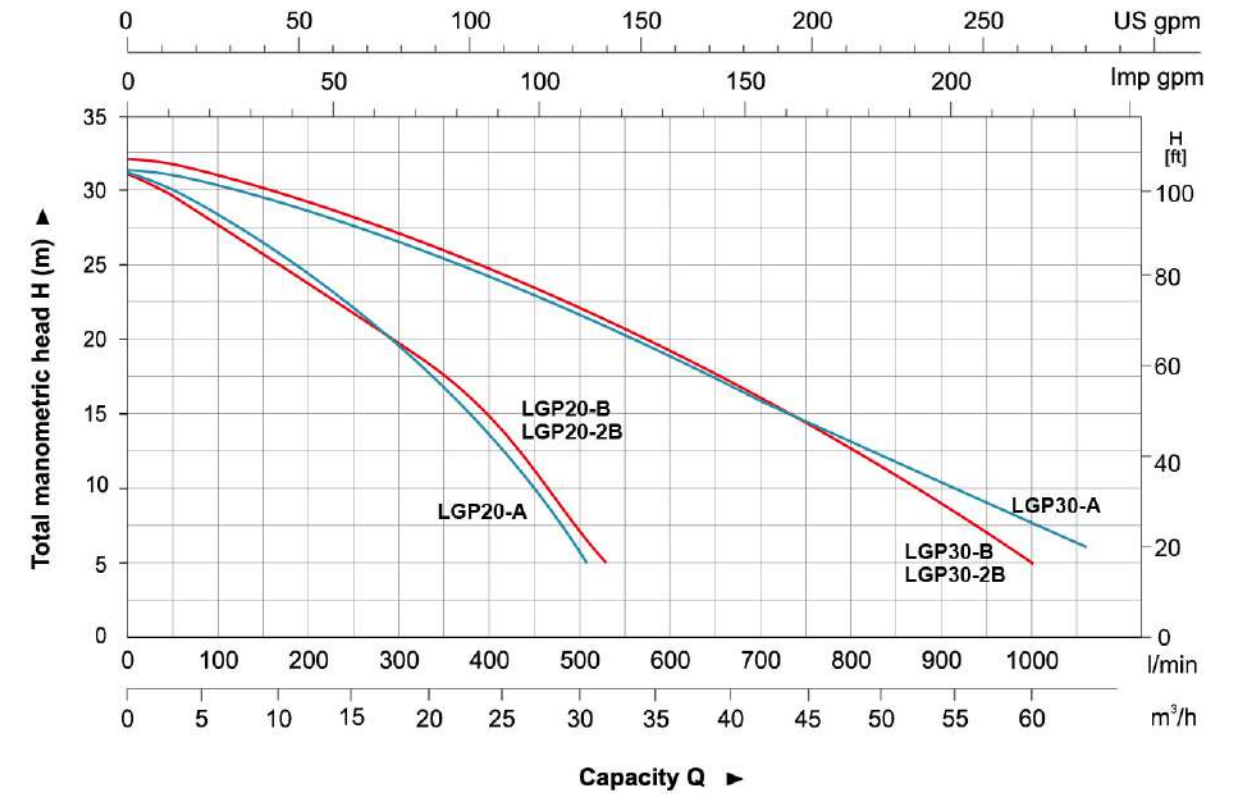
MODEL	POWER HP	Q (m³/h) Q (l/min)	0	5	10	15	20	25	30	35	40	45	50	55	60
			0	83.3	166.7	250	333.3	416.7	500	583.3	666.7	750	833.3	916.7	1000
LGP20-A	5.5	H (m)	32	29.1	25.2	21.5	18.6	11.3	8.5	-	-	-	-	-	-
LGP30-A	6.5		32	30.4	29.3	27.1	25.5	23	20.5	18	16.2	13.5	11	9	6
LGP20-B	6.5		32	28	24.5	21	17.5	14	7.5	-	-	-	-	-	-
LGP30-B	5		31	30	28	26.5	25	23	20	17.5	15	13.5	10	6.5	4
LGP20-2B	5.5		32	28.5	25	22	18	14	7.5	-	-	-	-	-	-
LGP30-2B	5		33	32	30	28.4	27	25	22	19.3	17	15.5	12	8.6	5



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	H1 (mm)
LGP20-A	2"	2"	462	397.5	405.5	181
LGP30-A	3"	3"	462	397.5	405.5	189
LGP20-B	2"	2"	463	397	404	181
LGP30-B	3"	3"	463	397	404	180.9
LGP20-2B	2"	2"	530	420	425	183
LGP30-2B	3"	3"	530	420	403.6	180.9

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Gasoline engine	
3	Pump cover	ADC12
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	Cast iron
7	Diffuser	Cast iron
8	O-ring	NBR
9	Pump body	Aluminum
10	Gasket	NBR
11	Outlet	Aluminum
12	Filling plug	PA6
13	Non-return valve	NBR
14	Inlet	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20' TEU)
LGP20-A	21.5	470	412	432	340
LGP30-A	23	470	412	432	340
LGP20-B	21.5	470	412	432	326
LGP30-B	22.5	470	412	432	326
LGP20-2B	24.2	545	435	450	228
LGP30-2B	26.2	545	435	450	228





Application

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

Features

- New unique design with ergonomic feature
- Portable and compact pump frame
- High quality motor with excellent performance and long service life
- Impeller designed with high efficient hydraulic system
- Low fuel consumption
- LEO engine as default, BS/Honda engine is optional

Pump

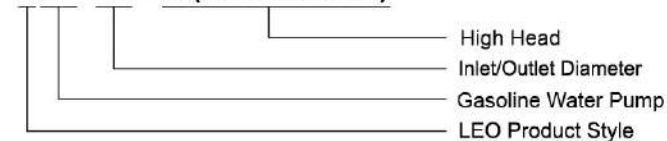
- Anti-rust cast iron diffuser
- Max. suction: 5 m/120 s
- Inlet/outlet: 50 mm/2 x 38 mm+1 x 50 mm
38 mm/1 x 38 mm+2 x 25 mm

Engine

- Single cylinder, 4-stroke, Air-cooled
- Max. power: 6.5 HP
- Displacement: 196 cc/208 cc
- Rated speed: 3600 rpm

Identification Codes

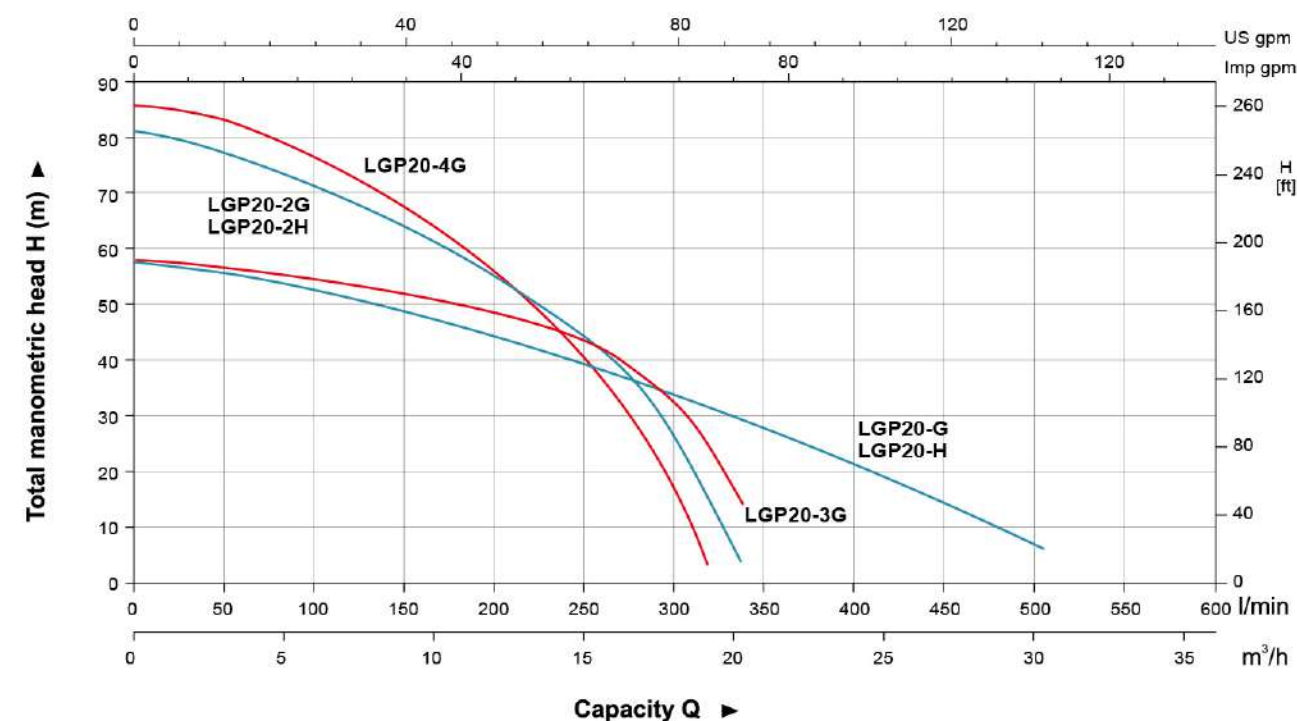
LGP 20 - H (G.2G.3G.4G)



Technical Data

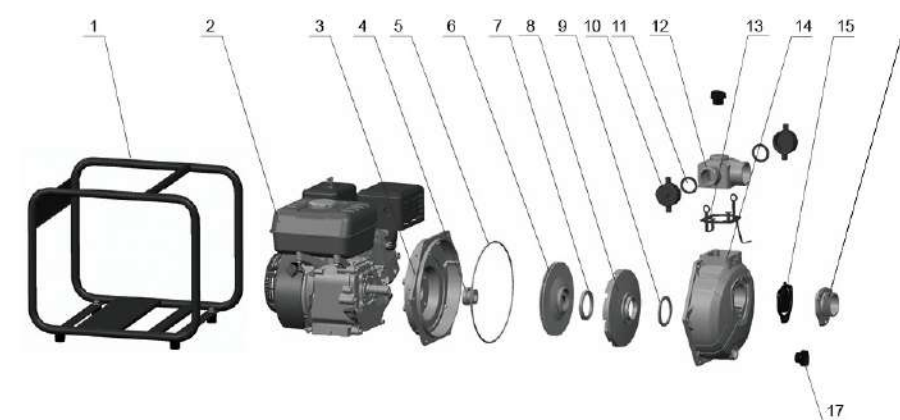
MODEL	POWER HP	Q (m³/h) Q (l/min)	0	5	10	15	20	25	30
			0	83.3	166.7	250	333.3	416.7	500
LGP20-H	6.5	H (m)	58	51	45	38.5	29	19	6
LGP20-2H	6.5		81	72.5	60	45	5	-	-
LGP20-G	6.5		59	54	46.8	39	30	20	5.4
LGP20-2G	6.5		84	77.7	61.6	38.3	4.9	-	-
LGP20-3G	6.5		59	55.2	50	42.8	15	-	-
LGP20-4G	6.5		86	77.6	60.7	40	4.4	-	-

Hydraulic Performance Curves



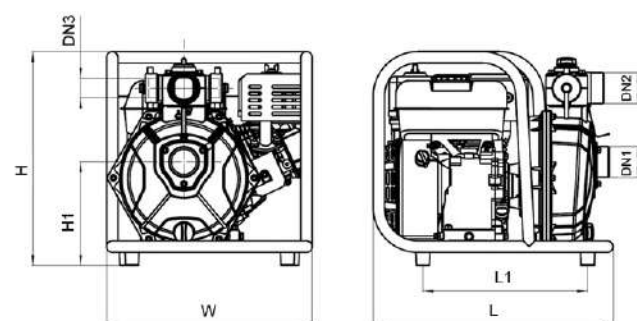
Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Bracket	Aluminum
4	Mechanical seal	Carbon/Ceramic
5	O-ring	NBR
6	Impeller	Aluminum
7	Seal ring	NBR
8	Diffuser	HT200
9	Seal ring	NBR
10	Pipe blanking cap	PP
11	Seal ring	NBR
12	Outlet	Aluminum
13	Gasket	NBR
14	Pump body	Aluminum
15	Non-return valve	NBR
16	Inlet	Aluminum
17	Filling plug	PA6



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
LGP20-H	22.22	470	412	432	340
LGP20-2H	22.24	470	412	432	340
LGP20-G	22.3	470	412	432	340
LGP20-2G	22.3	470	412	432	340
LGP20-3G	26.2	545	435	480	233
LGP20-4G	27.2	545	435	480	233



Dimension

Model	DN1	DN2	2×DN3	L (mm)	W (mm)	H (mm)	H1 (mm)
LGP20-H	2"	2"	1.5"	463	397	412	200
LGP20-2H	2"	2"	1.5"	463	397	412	200
LGP20-G	2"	2"	1.5"	463	398	406	192.2
LGP20-2G	2"	2"	1.5"	463	398	406	192.2
LGP20-3G	1.5"	1.5"	1"	530	420	425	190
LGP20-4G	1.5"	1.5"	1"	530	420	425	190



Application

- To transfer clean water or waste water with liquid temperature between 0°C and 40°C
- Application in water supply and drainage for factories, mines, municipal facilities as well as field irrigation, ect

Features

- All new design with ergonomic feature
- Reliable 4-stroke gasoline engine with low fuel consumption and high quality crankshaft
- Portable, durable and compact pump frame
- Durable sealing system with special mechanical seal
- Optional outlet selection

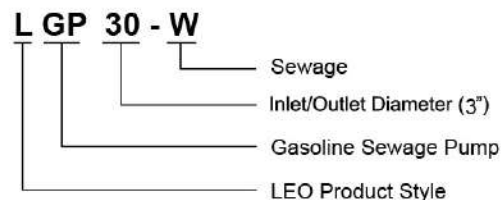
Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m
- Inlet/outlet: 3"
- Max. diameter of particle: 22 mm

Engine

- Single cylinder, 4-stroke, Air-cooled
- Max.power: 6.5 HP
- Displacement: 196 cc
- Rated speed: 3600 rpm

Identification Codes



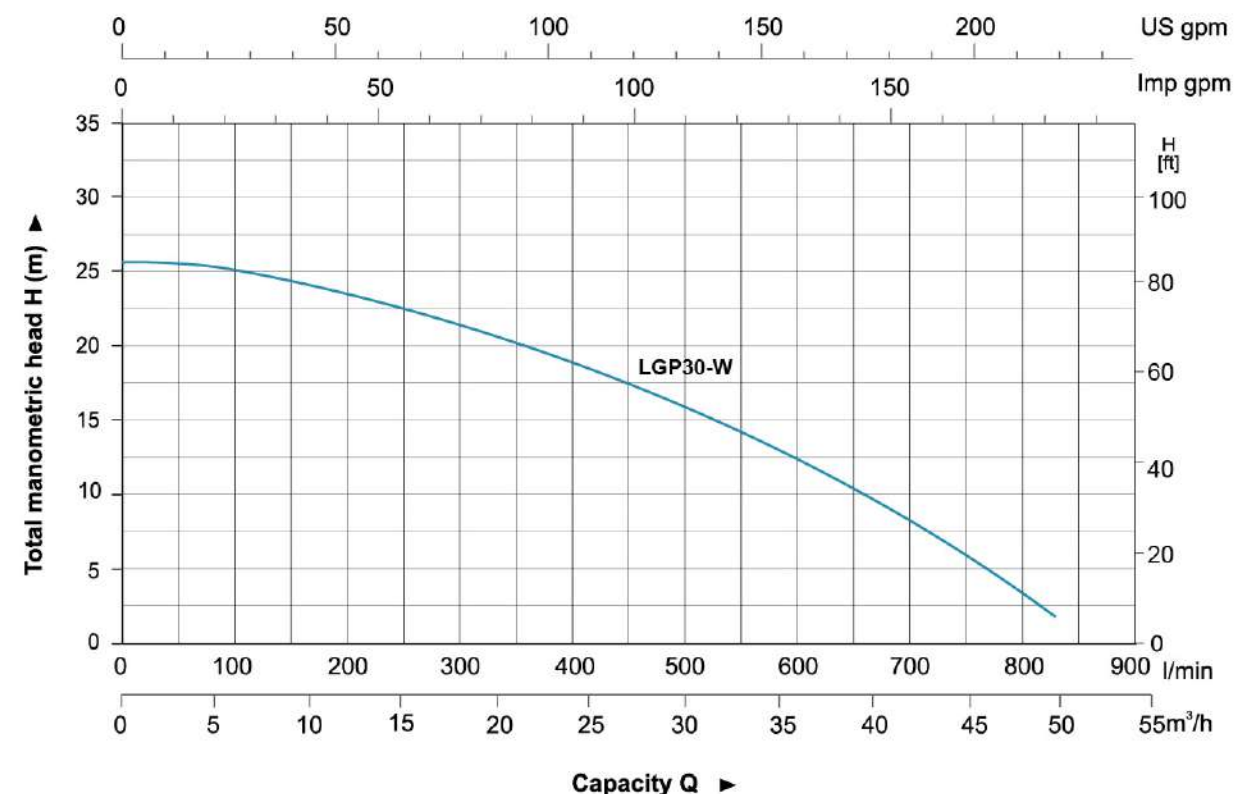
Technical Data

MODEL	POWER HP	Q (m³/h) Q (l/min)	0	5	10	15	20	25	30	35	40	45	50	55	60
			H (m)	25.9	25.3	24.1	22.8	21.2	18.8	16.1	13.2	9.6	6.1	2.1	—
LGP30-W	6.5	H (m)													

Dimension

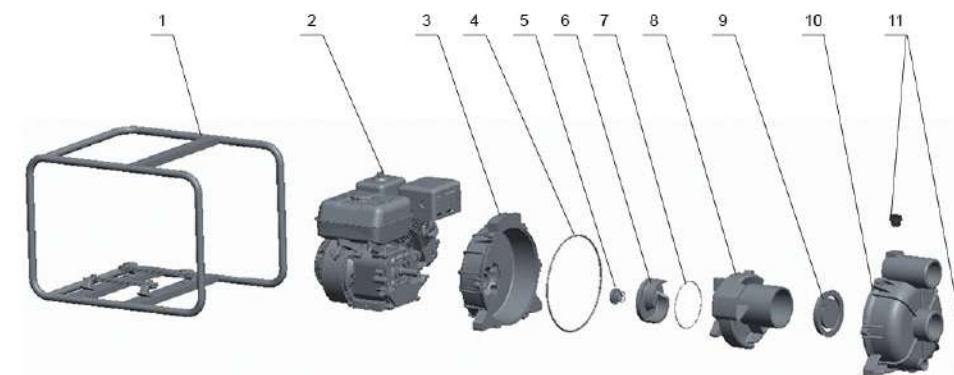
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)
LGP30-W	3"	3"	540	427	420	225	378

Hydraulic Performance Curves



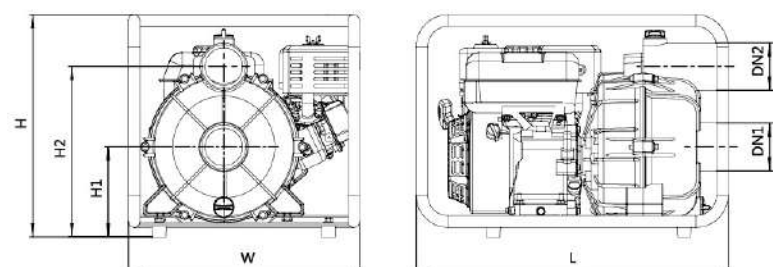
Materials Table

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



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20' TEU)
LGP30-W	33.6	615	450	440	235





Application

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

Features

- All new design with ergonomic feature
- High lift series with LEO high efficient hydraulic system
- Reliable 4-stroke gasoline engine with low fuel consumption and high quality crankshaft
- Portable, durable and compact pump frame
- Durable sealing system with special mechanical seal
- Optional outlet selection

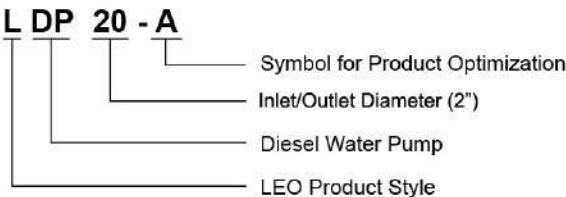
Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m
- Inlet/outlet: 2"/3"

Engine

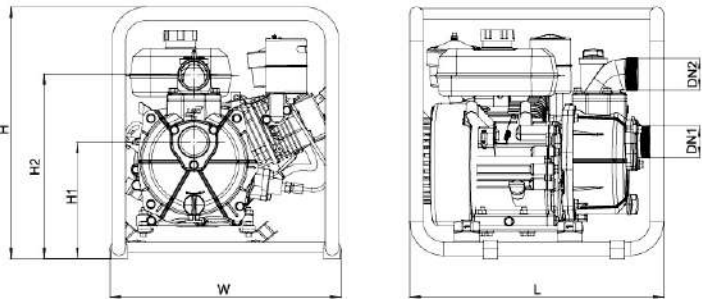
- Single cylinder, 4-stroke, Air-cooled
- Max.power: 3.8 HP/5.4 HP
- Displacement: 219 cc/306 cc
- Rated speed: 3600 rpm

Identification Codes



Technical Data

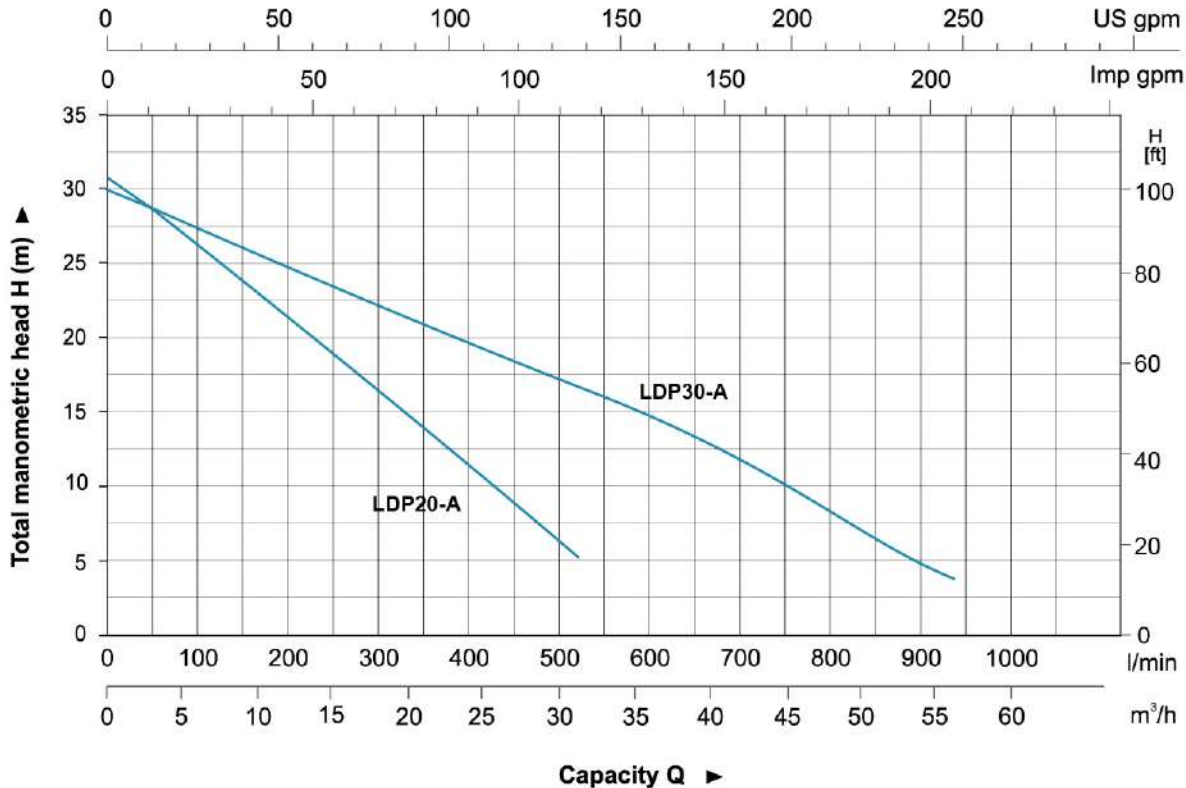
MODEL	POWER HP	Q (m³/h) Q (l/min)	0	5	10	16	20	25	30	35	40	45	50	55
			0	83.4	166.7	260.1	333.4	416.8	500.1	583.5	666.8	750.2	833.5	916.9
LDP20-A	3.8	H (m)	31	27	23	18.4	15	10	5.9	-	-	-	-	-
LDP30-A	5.4		30	27	26.5	24.1	21.4	19.3	16.7	15.8	13.5	11	8	4.8



Dimension

Model	DN1	DN2	L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)
LDP20-A	2"	2"	470	427	536	225	362
LDP30-A	3"	3"	470	427	536	230	380

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Pump cover	Aluminum
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	HT200
7	Diffuser	HT200
8	O-ring	NBR
9	Pump body	Aluminum
10	Seal	NBR
11	Outlet	Aluminum
12	Plug	ABS
13	Non-return valve	NBR
14	Inlet	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
LDP20-A	35.14	485	435	580	252
LDP30-A	49	485	435	580	252





Application

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

Features

- Strengthened pump body ensures more durable and reliable service
- Better sealing effect by using special mechanical seal
- 5-direction outlet for convenient use
- 20% increased loading quantity thanks to very compact construction design
- Less gasoline consumption

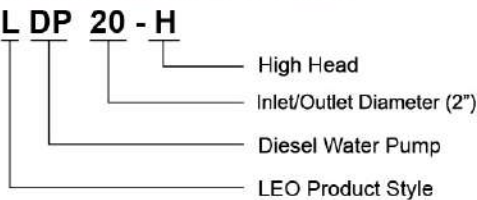
Pump

- Anti-rust cast iron impeller and diffuser
- Max.suction: 5 m
- Inlet/outlet: 2"/2"+2x1.5"

Engine

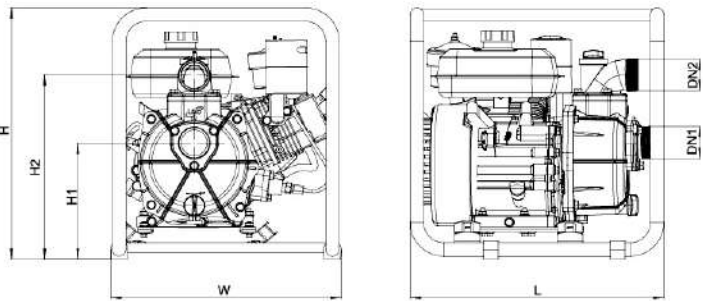
- Single cylinder,4-stroke,Air-cooled
- Max.power: 8.4 HP
- Displacement: 418 cc
- Rated speed: 3600 rpm

Identification Codes



Technical Data

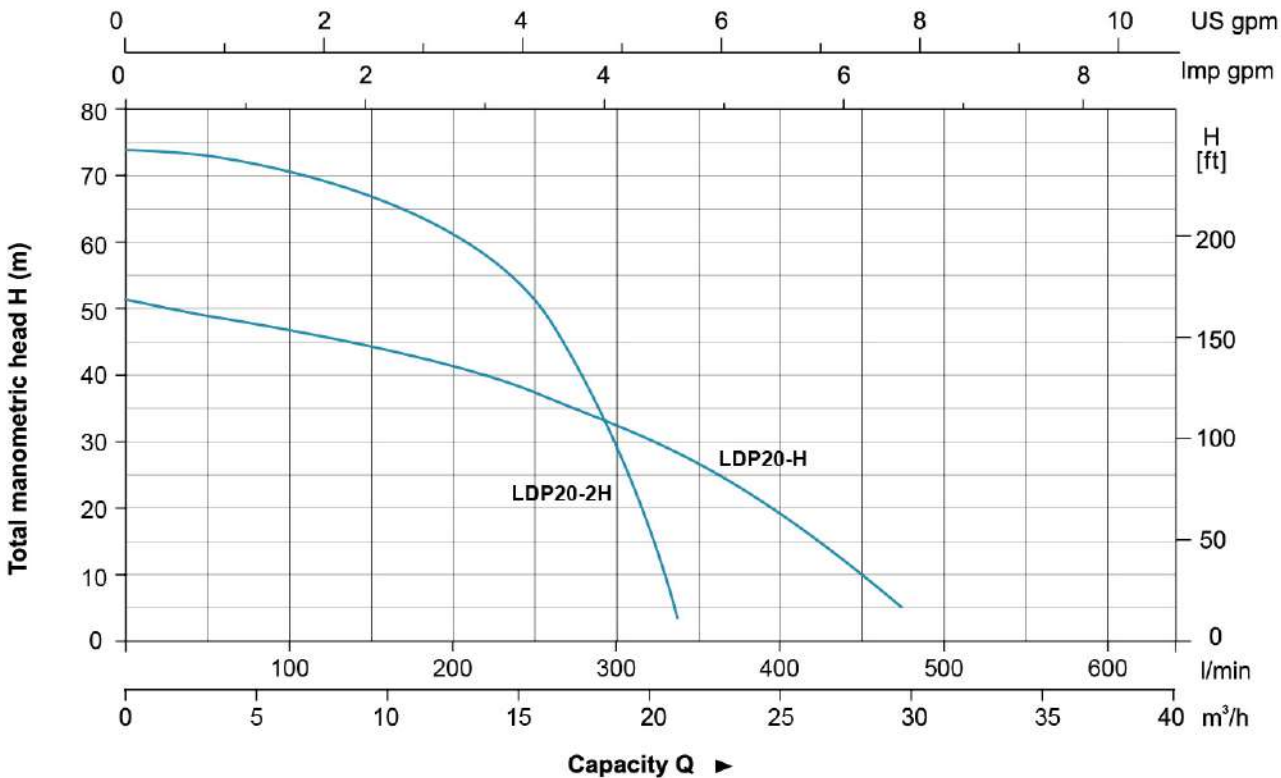
MODEL	POWER HP	Q (m³/h) Q (l/min)	0	5	10	15	20	25	30	35	40	45	50	55
			H (m)	83.4	166.7	250.1	333.4	416.8	500.1	583.5	666.8	750.2	833.5	916.9
LDP20-H	8.4	H (m)	52	48.8	42	39	30	10	5	-	-	-	-	-
LDP20-2H	8.4		74	71	68.5	52	20	-	-	-	-	-	-	-



Dimension

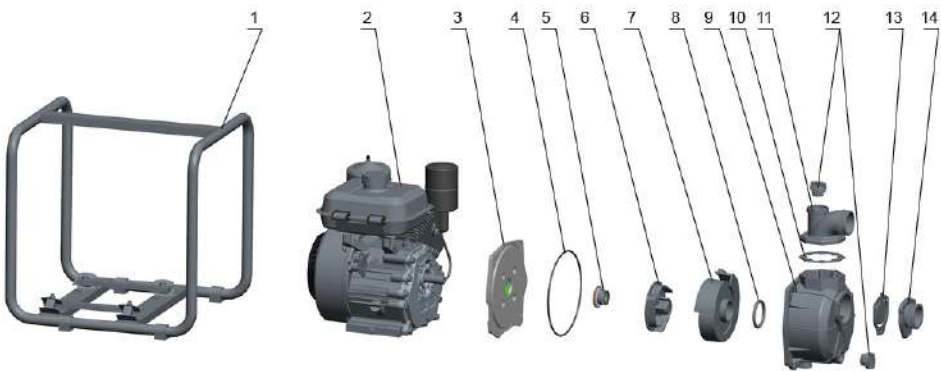
Model	DN1	DN2	L (mm)	W (mm)	H (mm)	H1 (mm)	H2 (mm)
LDP20-H	1.5"	1.5"	540	500	600	287	427
LDP20-2H	1.5"	1.5"	540	500	600	287	427

Hydraulic Performance Curves



Materials Table

No.	Part	Material
1	Frame	Steel
2	Engine	
3	Pump cover	Aluminum
4	O-ring	NBR
5	Mechanical seal	Carbon/Ceramic
6	Impeller	HT200
7	Diffuser	HT200
8	O-ring	NBR
9	Pump body	Aluminum
10	Seal	NBR
11	Outlet	Aluminum
12	Plug	ABS
13	Non-return valve	NBR
14	Inlet	Aluminum



Package Information

Model	GW (Kgs)	L (mm)	W (mm)	H (mm)	Quantity (PCS/20 TEU)
LDP20-H	62.4	555	515	630	168
LDP20-2H	63.86	555	515	630	168




MEMO

[illegible]


MEMO

[illegible]


Pump Range




APm SPm




APSm APSm-AE AKSm-A




Ajm-S Ajm




AjDm




ACm ACm-BF XGm




2ACm 3(4)ACm




XHSm




3(4,5)XGm-S
3(4,5)XGm-C 3(4,5)XCSm-S




AMS




QDX




XQS




XSP




FSP




WC




XKP




LKS XKS XKS




LKJ-P LKJ-S




LKJ-PA LKJ-SA




XKF




XST



XR XRS DWP DW



LGP LDP



LRP LRP-F LPM LP

• Peripheral Pump

• Self-Priming Peripheral Pump

• Jet Pump

• Jet Pump for Deep Wells

• Centrifugal Pump

• Multistage Centrifugal Pump

• Self-Priming Centrifugal Pump

• Stainless Steel Multistage Centrifugal Pump

• Stainless Steel Centrifugal Pump

• Submersible Pump

• Stainless Steel Submersible Pump

• Stainless Steel Submersible Sewage Pump

• Flexible Shaft Pump

• Domestic Lifting Station

• Pool Pump

• Garden Submersible Pump

• Garden Jet Pump

• Pressure Booster System

• Fountain Pump

• Standard Centrifugal Pump

• Submersible Borehole Pump

• Gasoline/Diesel Water Pump

• Booster Pump/Circulation Pump

Pump Range



SWP SWE



WGD WQ



KBZ



KBS



LVR LVS EVP



EGH EDH ECHS



ABK



XZS



BWS-HY(E)
BWS-HY



LPP



LEN



LEP

• Submersible Sewage Pump

• Submersible Sewage Pump

• Submersible Dewatering Pump

• Submersible Slurry Pump

• Stainless Steel Vertical Multistage Pump

• Stainless Steel Horizontal Multistage Pump

• Semi-open Impeller Stainless Steel Centrifugal Pump

• Stainless Steel Standard Centrifugal Pump

• Pressure Booster System

• Vertical In-line Pump

• Bare Shaft End Suction Centrifugal Pump

• End Suction Centrifugal Pump