

# گولڈن ڈائنامکس (پرائیویٹ) لمیٹڈ



## NOWA

■ Deep-Well Injector Pumps with Honda GP160

D Series



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**HONDA**



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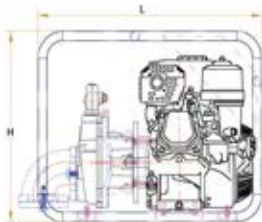
## GOLDEN DYNAMICS (PVT) LTD.

G. T. Road, Gujranwala - PAKISTAN ☎ +92 55 384 2756, 384 3756, 429 6355 ✉ email@goldendynamics.com 🌐 www.goldendynamics.com





**GOLDEN  
DYNAMICS**  
(PVT) LTD.



**NOWA**

■ Deep-Well Injector Pumps with Honda GP160

**D Series**

**Function:**

This series of pumps are closed coupled self-priming pumps with Honda (GP160H1-SD) air cooled, 4-Stroke (OHV) petrol engine are particularly suitable for pumping water from deep wells. The pump coupled with engine is placed on the surface with an injector immersed into the well. The delivery of water generates by the impeller is conveyed to the outlet, the delivery is sucked, by means of a piping through the 'venturi system' connected to the suction chamber which gives the necessary depression to the suction of the fluid where the injector is immersed in. The fluid sucked by the injector gets mixed in the venturi diffuser with the recycling fluid, coming from the injector body, consequently the fluid pressure increases and it is sucked by the pump through a piping.

**Application:**

This close coupled set (pump with engine) is used for water supply to remote dwelling i.e. farm houses, general water supply, pressurized water using pressure vessels, irrigation and industrial applications, garden watering and general water transfer applications where electricity is not available.

**Pump Construction:**

Pump Body and Pump Support in Cast Iron, Stainless-Steel Impeller, Diffuser in Thermoplastic Resin / Cast Iron, Shaft in S.S.-304 / Brass and Mechanical Seal (Carbon + Ceramic).

**Installation:**

Upon installation, always prime the pump volute casing before first start up. The pump must be coupled with engine shaft with precise alignment and on rigid foundation and installed pump in horizontal position. Check oil and fuel levels of engine and read owner's manual of Honda Engine before startup. Never suddenly close the discharge valve while pump is running.

**Engine (Honda GP160H1-SD):**

Customer needs a pump that can be reliable, turning to the world's largest manufacturer gasoline engines to power our NOWA Deep-Well Injector Pump is an obvious choice. Honda engine give the industry-leading fuel efficiency, quiet operation and most importantly 'The Power' that customer needs to get the job done.

Brand:	Honda
Model:	GP160H1-SD
Cooling System:	Forced Air Cooled, 4-Stroke Engine (OHV)
Engine Net / Rated Power:	4.8 HP (3600 RPM)
Fuel Tank Capacity:	3.1 liter
Fuel Type:	Petrol (Regular Gasoline)
Fuel Consumption:	1.4 Lt. / hr. @ 3600 RPM
Starter System:	Recoil Starter / Self-Start (Optional)
Total Displacement:	163 cm <sup>3</sup>

**Pump Performance Data:**

Capacity:	2.7 m <sup>3</sup> /h (max.)
Head:	135 m (max.)
Suction:	60 m (max.)
Liquid Temperature:	-15°C ~ +60°C (max.)
Ambient Temperature:	+40°C (max.)
Working Pressure:	16 bar (max.)

**Performance Chart:**

Pump Model	Engine Model	RPM	Suction (m)	Head (m)	Discharge		
					m <sup>3</sup> /h	US gpm	lpm
D1E	GP160H1-SD	3600	6 - 25	60 - 20	0.8 - 2.7	3.4 - 11.9	13 - 45
D2E		3600	6 - 35	85 - 20	0.8 - 2.7	3.4 - 11.9	13 - 45
D3E		3600	6 - 45	110 - 20	0.8 - 2.7	3.4 - 11.9	13 - 45
D4E		3600	6 - 60	135 - 20	0.8 - 2.7	3.4 - 11.9	13 - 45

**Dimension Table:**

Pump Model	DNa	DNm	L	H	W	Weight (kg)
D1E		0.75"				31
D2E	1.25"	1"	540	420	420	35.5
D3E	40.5					
D4E	44					

# HONDA

Honda Atlas Power Product (Pvt.) Ltd.

F-36, Estate Avenue, S.I.T.E.,

Karachi - Pakistan.

Tel : (92-21) 32569616, 32575561-65

: (92-21) 32566775

Fax : (92-21) 32563758, 32576193

E-mail: info@hondapower.net.pk

URL : www.hondapower.net.pk


## To Whom It May Concern

Ref: 96Ki/S&M/0051

Date: 10<sup>th</sup> December, 2019

This certificate of conformity is based on an evaluation performed by 'Technical Team' of 'Honda Atlas Power Product (Pvt.) Ltd., Pakistan, of the below-mentioned product. This is to certify that the tested product is in conformity with all provisions of HAPPL's directive. The OEM, Golden Dynamics (Pvt.) Ltd. is authorized to use this certificate in connection with presenting to potential clients for below said product.

Product Specifications		
Product	Deep-Well Injector Pump	
Pump	Model	D2
	RPM	3600
	Vibration	Normal
	Safety	Satisfactory
	Head (m)	85 ~ 20
	Flow (US gpm)	3.5 ~ 12
	Suction (DNa)	1.25"
Delivery (DNm)	1"	
Engine	Engine	GP160H1 (SD)
	Power (HP)	4.8
	PTO RPM (max)	3600
	Temperature	Normal
	Vibration	Normal
Safety	Satisfactory	

  
Hirofumi Iryo  
Chief Executive Officer



# HONDA

Honda Atlas Power Product (Private) Limited (HAPPL) was established in April, 1998 as a joint-venture between Honda Motor Co., Ltd., Japan (80% equity stake) and Atlas Group, Pakistan (20% equity stake), to import and distribute Honda power products such as, generators, engines, water pumps, handheld equipments, tillers and other power products for the Pakistan market.

Together with motorcycles and automobiles, Honda entered the power product business in 1953 and till 2019 had produced over 150 million power products. Today, Honda power products are produced at 13 factories in 11 regions / countries and are sold in 86 countries around the world.

In order to fulfill Honda's 2030 Vision to serve people worldwide with the "joy of expanding their life's potential," Honda Life Creation business will offer new value in people's daily lives for customers all around the world for Honda motorcycles, automobiles and power products.



**Honda Atlas Power Product (Pvt.) Ltd.**

F-36, Estate Avenue, S.I.T.E Karachi Pakistan, Tel:+92 21-32569616, 32566775, 32575561-65

Fax:+92 21- 32563758, 32576193, URL:[www.hondapower.net.pk](http://www.hondapower.net.pk)