



BEEPL

PORTABLE TYPE GASOLINE FIRED (PETROL) POWER PACK FOR RADIAL GATE

8900021-B



GASOLINE POWER PACK

INTRODUCTION

Portable type hydraulic power pack is the ability to deliver hydraulic power to areas where electricity is limited, unavailable or unsafe to use.

Engine packs are driven from Gasoline /Petrol usually at a fixed speed or Variable speed at its optimum speed for power and torque delivery. Hydraulic pumps are fitted based on requirement of the flow and pressure to operate existing Hydraulic Circuit of Barrage Radial Gates.

Petrol engines are lighter, improving portability and are commonly built as units with carry handles or as a wheelbarrow format. Air-cooling and ripcord pull starting eliminates the need of radiators and batteries and makes for a compact lightweight package.

The complete package is mounted onto a fabricated

TECHNICAL SPECIFICATION

Part Code	8900021-B
Description	PORTABLE TYPE GASOLINE FIRED (PETROL) HYDRAULIC POWER PACK FOR RADIAL GATE / SFT GATE
Application	RADIAL GATE
Manufacturer Name	M/s BEYBEY ENGINEERING & EXIM PVT. LTD.
Pump Type	Hydraulic Piston Pump / Vane Pump / Gear Pump
Flow	32 LPM / as per request by vender
Pressure	225 bar
Power Output	20.2 Kw / 25 HP @3000RPM
Suction Line Connection	M33x2 (Swivel Nut with Hydraulic Hose-R1 type)
Pressure Line Connection	M22x1.5 (Swivel Nut with Hydraulic Hpose-R2 type)
Drain Line Connection	M12x1.5 (Swivel Nut with Hydraulic Hose-R1 type)
Filter Type & Details	Suction Filter (Connection-G1" BSP)
Filter Make	Hydroline / Reputed
Fuel Tank capacity	25 Ltrs.
Battery	80 Ah
Engine Starter type	Electrical Switch with Key
Dimensions (L x W x H)	1400mm x 700mm x 780mm (Overall Approx.)
Total Weight	150 kg. Approx



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Bill of Material					
Customer Name	NHPC Limited		Flow=32LPM Pr. = 225bar		
Project	PORTABLE TYPE GASOLINE FIRED (PETROL) POWER PACK FOR RADIAL GATE		20.2kW		
Part Code	8900021-B	Beybey Engineering & Exim Pvt. Ltd.	Auther-AK		
SR. NO.	DESCRIPTION	MODEL CODE	MAKE	Units	Qty.
1	Engine Gasoline	CH742-3103 (25hp @ 3000RPM) /	Kohler/ Vanguard	Nos.	1
2	Muffler	Suitable	Kohler	Nos.	1
3	Fuel Tank	Special	Honda	Nos.	1
4	Coupling	Rotex-38	KTR	Nos.	1
5	Bell Housing	Special	BEYBEY ENGG & EXIM	Nos.	1
6	Spacer	Special	BEYBEY ENGG & EXIM	Nos.	1
7	Trolley Fabrication	MS	BEYBEY ENGG & EXIM	Nos.	1
8	Wheels	DXM-100X32-CTN-PT-BB-BK	Jainson	Nos.	4
9	Vibration Pad	EGABEK-100 (65sh)	E&B RUBBER	Nos.	4
10	Piston Pump /Vane Pump	A2F012-61RVBB06 / T7 series	Rexroth /Veljan	Nos.	1
11	Suction Filter	HFR10-08B-149	Hydroline	Nos.	1
12	Hydraulic Wire Braid Hose	SAE 100R1 Type AT (16G1A) - Size-1" (ID25.4)-End Connection-M33x2 (Both Side Swivel Nut Straight), L-2000mm, 88bar	Gates/Parker/Equvalent.	Nos.	1
13	Hydraulic Wire Braid Hose	SAE 100R1 Type AT (16G1A) - Size-1" (ID25.4)-End Connection-M33x2 (Both Side Swivel Nut Straight), L-1000mm, 88bar	Gates/Parker/Equvalent.	Nos.	1
14	Hydraulic Wire Braid Hose	High Pressure Hose - Size-1/2" (ID12.7)-End Connection-M22x1.5 (Both Side Swivel Nut Straight), L-1500mm, 420bar	Gates/Parker/Equvalent.	Nos.	1
15	Hydraulic Wire Braid Hose	SAE 100R1 Type AT (4G1TH-G1H) - Size-1/4" (ID6.4)-End Connection-M12x1.5 (Both Side Swivel Nut Straight), L-2000mm, 190bar	Gates/Parker/Equvalent.	Nos.	1
16	Hydraulic Wire Braid Hose	SAE 100R1 Type AT - Size-1"-2000mm, 125bar	Gates/Parker/Equvalent.	Nos.	1
17	Ball Valve	G1/2"	Hydac	Nos.	2
18	QRC, MALE PLUG	G1/2" DN12, (U00MCFBFC)	Unitread	Nos.	2
19	QRC, FEMALE PLUG	G1/2"BSP (F) DN12, (U00FCFFBFC)	Unitread	Nos.	2
20	QRC, MALE PLUG	G1" DN25, (U00MEFFBF)	Unitread	Nos.	1
21	QRC, FEMALE PLUG	G1" BSP (F) DN25, (U00EFFBF)	Unitread	Nos.	1
22	Hydraulic Wire Braid Hose	SAE 100R15 Size-1/2" (ID12.7)-End Connection-G 1/2" (Both Side Swivel Nut Straight), L-5000mm, 420bar	Gates/Parker/Equvalent.	Nos.	2
23	Fitting (Suction Line)	Connector-ISO8434-1-SDS-L28-M33x2	Standard	Nos.	1
24	Fitting (Pressure Line)	Connector-ISO8434-1-SDS-L18-M22x1.5	Standard	Nos.	1
25	Fitting (Drain Line)	Connector-ISO8434-1-SDS-M12x1.5-M12x1.5	Standard	Nos.	1
26	Fitting (Suctio Filter)	Connector-ISO8434-1-SDS-L28-G1	Standard	Nos.	2
27	Fitting (A&B Line)	Connector-ISO8434-1-SWODS-G3_4"(M)-G1_2(F)	Standard	Nos.	2
28	Fitting (A&B Line)	Connector-ISO8434-1-SDS-1/2"-1/2"	Standard	Nos.	1
29	Fitting (Suction Line)	Connector-ISO8434-1-SDS-1"-1"	Standard	Nos.	1
Manifold Block					
30	Manifold Block	MS	BEYBEY ENGG & EXIM	Nos.	1
31	Check Valve	S15	Rexroth	Nos.	1
32	Pr. Relief Valve	DBDS10	Rexroth	Nos.	2
33	Pressure Gauge	0-400bar	Wika	Nos.	3
34	Mininess Test point	M16x2	Hydac	Nos.	3
Electrical					
35	Electrical Junction Box	Special	BEYBEY ENGG & EXIM	Nos.	1
36	Anodised Circuit Plate	A4	BEYBEY ENGG & EXIM	Nos.	1
37	Inverter / Charger	500VA / 12V-24V ,10 AMP	REPUTED	Nos.	1
38	Battery	80Ah	EXIDE	Nos.	1
SPARES					
39	Single Core Copper Cable 10 sqmm as suitable		REPUTED	mtr	5
40	Copper cable 2.5 sq mm,3 core as suitable		REPUTED	mtr	10
DC POWER PACK					
41	DC POWER PACK	BEEPL -2410DD/12	BEYBEY ENGG & EXIM		1