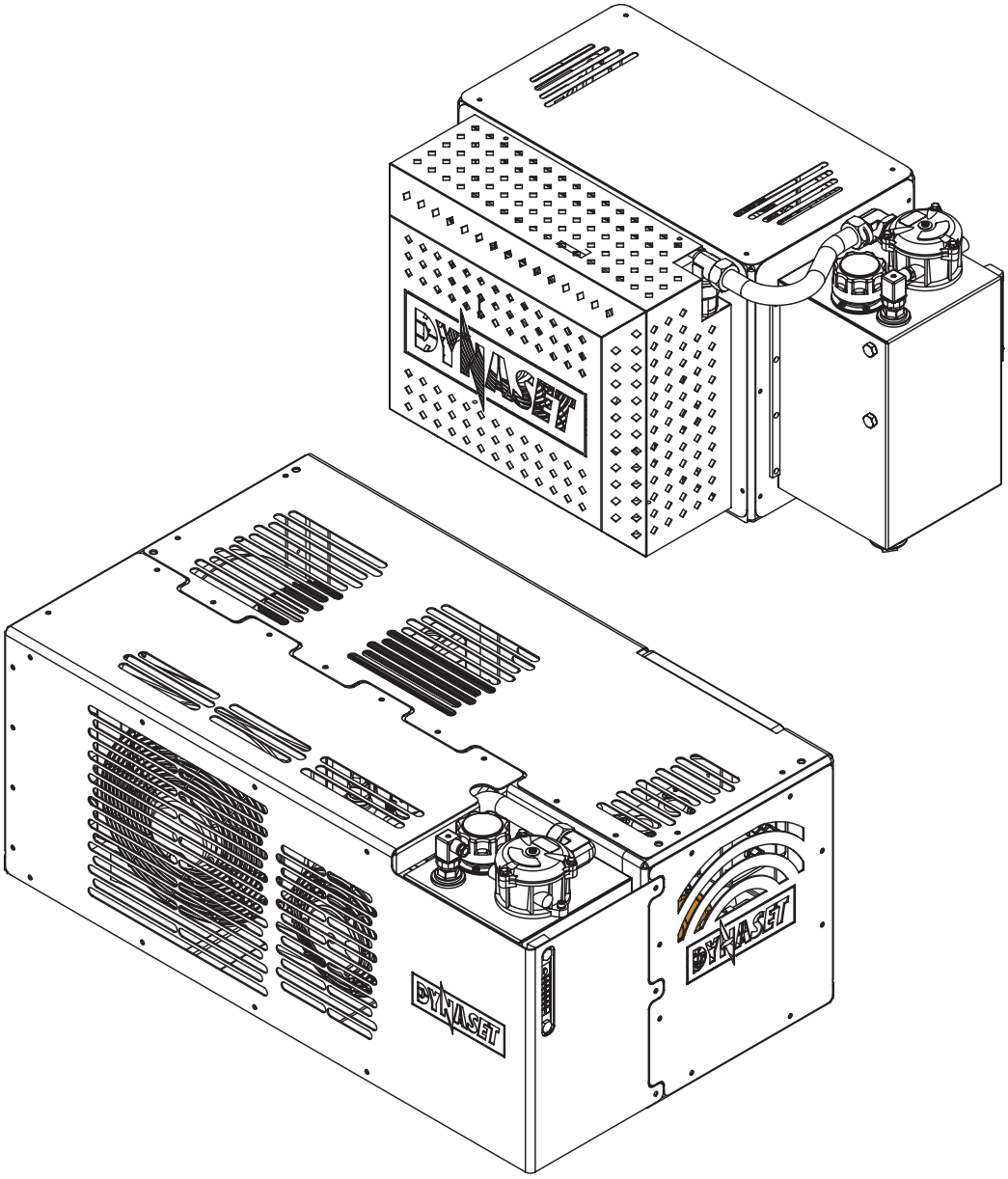
DYNASET

POWERED BY HYDRAULICS



Super Compact

DATA SHEET

HGV POWER BOX / HGV BASIC
VARIABLE HYDRAULIC GENERATOR SYSTEMS

11/21
rev 1.0

HGV Power Box 6,6
HGV Power Box 10,1
HGV Power Box 15,1

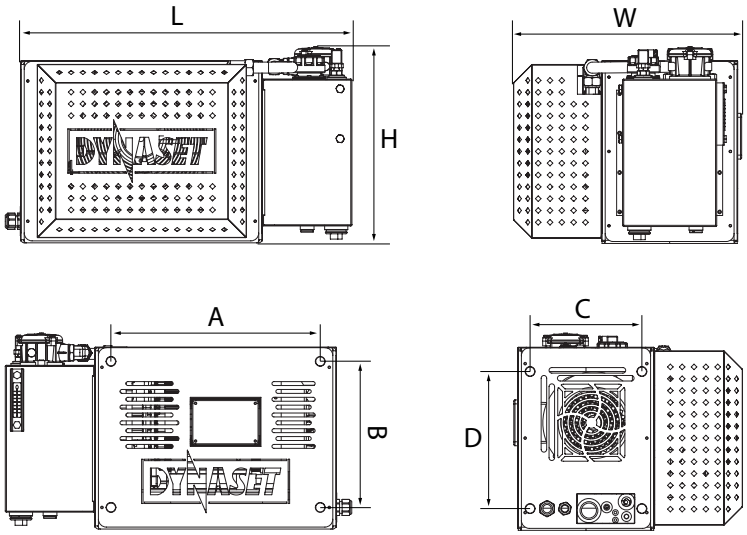
HGV Power Box 20,1
HGV Power Box 30,1

HGV Basic 3,5
HGV Basic 6,5
HGV Basic 10

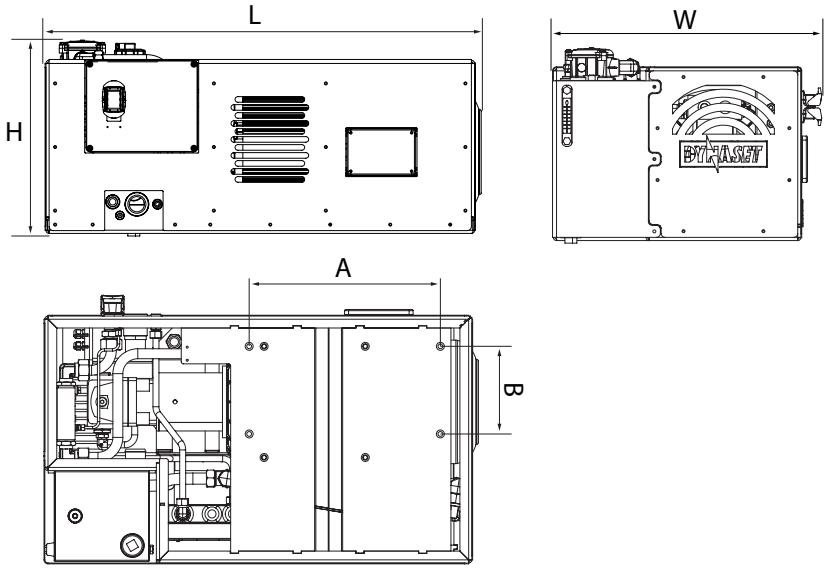
HGV Basic 12
HGV Basic 19
HGV Basic 26

HGV POWER BOX DIMENSIONS

S



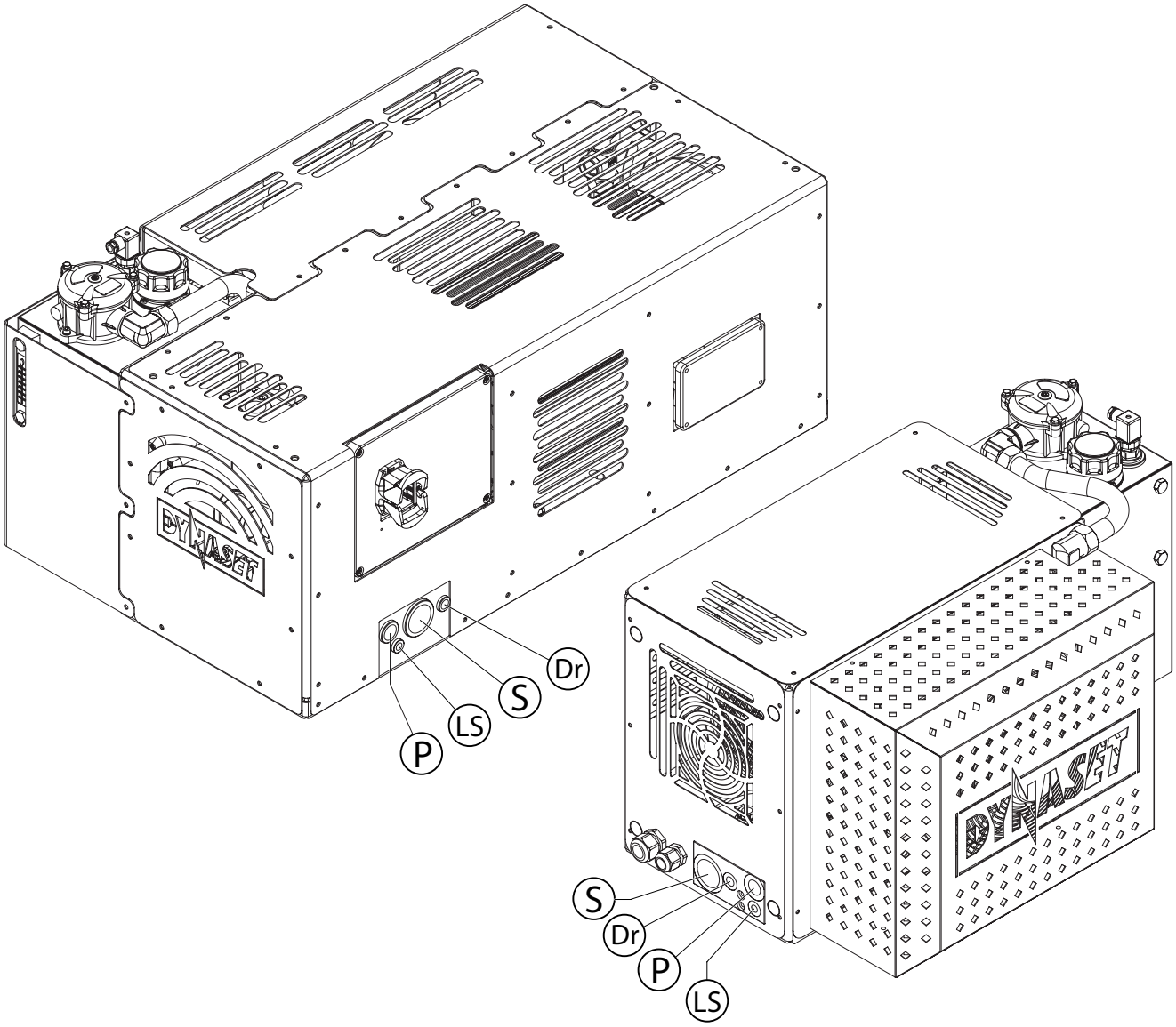
M



Picture 1: HGV Power Box installation measurements

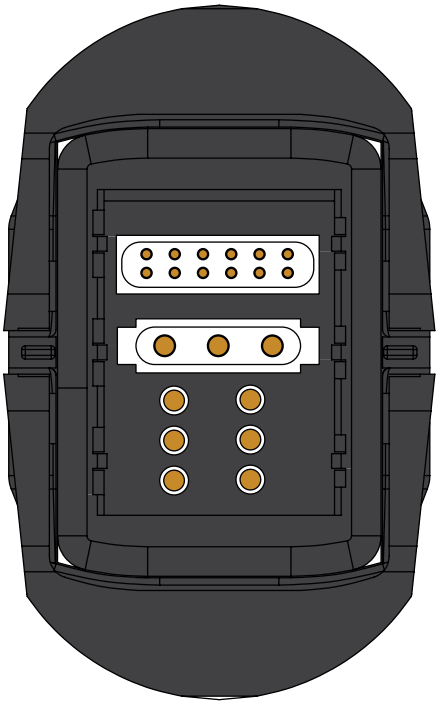
MODEL	DIMENSIONS, mm (in)						
	L	W	H	A	B	C	D
S- Model	844 (33.2)	579 (22.8)	499 (19.6)	534 (21)	373 (14.7)	284 (11.2)	347 (13.7)
M- model	1090 (43)	673 (26.5)	490 (19.5)	480 (18.9)	230 (9)	-	-

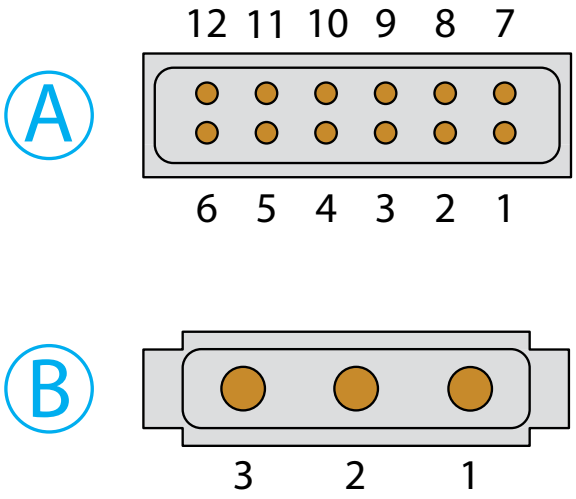
HGV POWER BOX HYDRAULIC PORTS

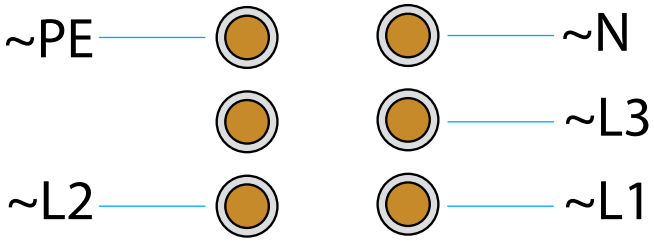


MODEL	HYDRAULIC PRESSURE LINE	HYDRAULIC SUCTION LINE	LS -LINE	DRAIN LINE
	P	S	LS	Dr
S- model	BSPP 3/4"	BSPP 1 1/2"	BSPP 1/4"	BSPP 3/8"
M- model	BSPP 3/4"	BSPP 1 1/2"	BSPP 1/4"	BSPP 3/8"

HGV POWER BOX ELECTRICAL CONNECTIONS







HARTING CONNECTOR	A	B
1	+	Cooler +
2	-	Cooler -
3		
4		
5	Oil level OK (output, +)	
6	Oil temp. OK (output, +)	
7	Oil cooler info (output, +)	
8	F1 triggered (signal stops)	
9	KS1 relay on (hydraulic power on)	
10		
11		
12		

HGV POWER BOX TECHNICAL SPECIFICATIONS

HGV POWER BOX MODELS		HGV Power Box 6,6	HGV Power Box 10,1	HGV Power Box 15,1	HGV Power Box 20,1	HGV Power Box 30,1
OUTPUT CHARACTERISTICS						
Output Power max.	**kVA**	6,6	10,1	15,1	20,1	30,1
Power factor	**kW / cos φ**	5,3 / 0,8	8.1,0 / 0,8	12.1 / 0,8	16.1 / 0,8	24.1/ 0,8
Output Voltage	**1 phase***	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC
	3 phase	400 VAC	400 VAC	400 VAC	400 VAC	400 VAC
Nominal Current	**1 phase**	14,3	21,7	32,6	43,7	65,2
	3 phase	9,5	14,6	21,8	29,0	43,3
Frequency	**Hz**	50	50	50	50	50
Sockets (1 phase / 3 phase / cable K)		2 /1 / -	2 /1 / -	2 /1 / -	2 /1 / -	- /- / K
IP		54	54	54	54	54
Pump speed**	**RPM**	750 - 4000	850 - 4000	700 - 3000	650 - 3000	650 - 3000
HYDRAULIC POWER						
Pressure max.	**bar**	210	210	210	210	210
HYDRAULIC CONNECTION						
Pressure line	**P**	3/4"				
Suction line	**S**	1 1/2"				
LS-Line	**LS**	1/4"				
Drain line	**Dr**	3/8"				
HYDRAULIC FLUID REQUIREMENTS						
Viscosity	**cSt**	10-200 / optimum 25-35				
Temperature	**°C(°F)**	max. 70 (158) ***				
Filter ratio	**µm**	25 or better				
Cleanliness level	**ISO 4406**	19/17/14				
OVERALL DIMENSIONS						
Box size	**S/M**	S	S	M	M	M
Length	**mm (in)**	883 (34.8)	883 (34.8)	1090 (43)	1090 (43)	1090 (43)
Width	**mm (in)**	579 (22.8)	579 (22.8)	673 (26.5)	673 (26.5)	673 (26.5)
Height	**mm (in)**	500 (19.7)	500 (19.7)	490 (19.5)	490 (19.5)	490 (19.5)
Weight	**kg (lbs)**	60 - 240 ****		80 - 350****		

* Nominal current (1~phase / 3~phase) /phase. Must not exceed maximum load.
** High speed pump model available by request.
*** Ref. to the hydraulic fluid in chapter 6.2.
**** Weight variates with the selected components in the system.

HGV BASIC TECHNICAL SPECIFICATIONS

HGV BASIC MODELS		HGV Basic 3,5	HGV Basic 6,5	HGV Basic 10	HGV Basic 12	HGV Basic 19	HGV Basic 26
OUTPUT CHARACTERISTICS							
Output Power max.	**kVA**	3,5	6,5	10	12	19	26
Power factor	**kW / cos φ**	3,5 / 1,0	5,2 / 0,8	8,0 / 0,8	0,8/9,6	0,8/15,2	0,8/20,8
Output Voltage	**1 phase***	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC	230 VAC
	3 phase	-	400 VAC	400 VAC	400 VAC	400 VAC	400 VAC
Nominal Current	**1 phase**	15,2	14,2	21,7	26,1	41,1	56,3
	3 phase	-	9,4	14,4	17,3	27,4	37,5
Frequency	**Hz**	50	50	50	50	50	50
Sockets (1 phase / 3 phase / cable K)		2 / - / -	2 /1 / -	2 /1 / -	2 / 1 / -	1 / 2 / -	1 / 2 / -
IP		23	23	23	23	23	23
Pump speed**	**RPM**	500 - 4000	750 - 4000	850 - 4000	800 - 3000	700 - 3000	650 - 3000
HYDRAULIC POWER							
Pressure max.	**bar**	210	210	210	210	260	280
GENERATOR HYDRAULIC CONNECTIONS							
Pressure line	**P**	BSP 1/2"					BSP 3/4"
Return line	**T**	BSP 1/2"					BSP 1"
Drain line	**Dr**	06L - (M12x1,5 Male)					
HYDRAULIC FLUID REQUIREMENTS							
Viscosity	**cSt**	10-200 / optimum 25-35					
Temperature	**°C(°F)**	max. 70 (158) ***					
Filter ratio	**µm**	25 or better					

* Nominal current (1~phase / 3~phase) /phase. Must not exceed maximum load.
** High speed pump model available by request.
*** Ref. to the hydraulic fluid in chapter 6.2.

HGV Basic systems are highly configurable according to the users' needs and specifications.

DYNASET

POWERED BY HYDRAULICS

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ELECTRICITY
HG Hydraulic Generator
HGV POWER BOX Variable Hydraulic Generator System
HGV Variable Hydraulic Generator System
HWG Hydraulic Welding Generator
HGG Hydraulic Ground Power Generator

HIGH PRESSURE WATER
HPW Hydraulic High Pressure Water Pump
HPW Hydraulic Power Washer
KPL High Pressure Street Washing Unit
HPW-DUSS High Pressure Dust Suppression System
PPL High Pressure Pipe Cleaning Unit
HDF Hydraulic Drilling Fluid Pump
HPW-FIRE High Pressure Firefighting System
FP Firefighting Piercing Kit
JPL High Pressure Bin Washing System
HSP Hydraulic Submersible Pump

COMPRESSED AIR
HK Hydraulic Piston Compressor
HKR Hydraulic Screw Compressor
HKL Hydraulic Rotary Vane Compressor

VACUUM
HCF Hydraulic Centrifugal Fan
HRVB Hydraulic Recycling Vacuum Bucket

MAGNET POWER
HMG PRO Hydraulic Magnet Generator
MAG Lifting Magnet
HMAG PRO Hydraulic Magnet

VIBRATION
HVB Hydraulic Vibra
HVD Hydraulic Directional Vibra
HRC Hydraulic Reversal Cylinder

POWER BOOSSING
HPI Hydraulic Pressure Intensifier
HPIC Hydraulic Pressure Intensifier for Cylinder

KNOW-HOW
Hydraulic Power Take-off (PTO)
Installation Valves
HMV Hydraulic Modular Valve System
HHK Hydraulic Grinder
HV Hydraulic Winch & HVY Hydraulic Winch Unit
De-Icing Technology
HEU Hydraulic Expansion Unit
HPU Hydraulic Power Unit
HRU Hydraulic Rescue Unit

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