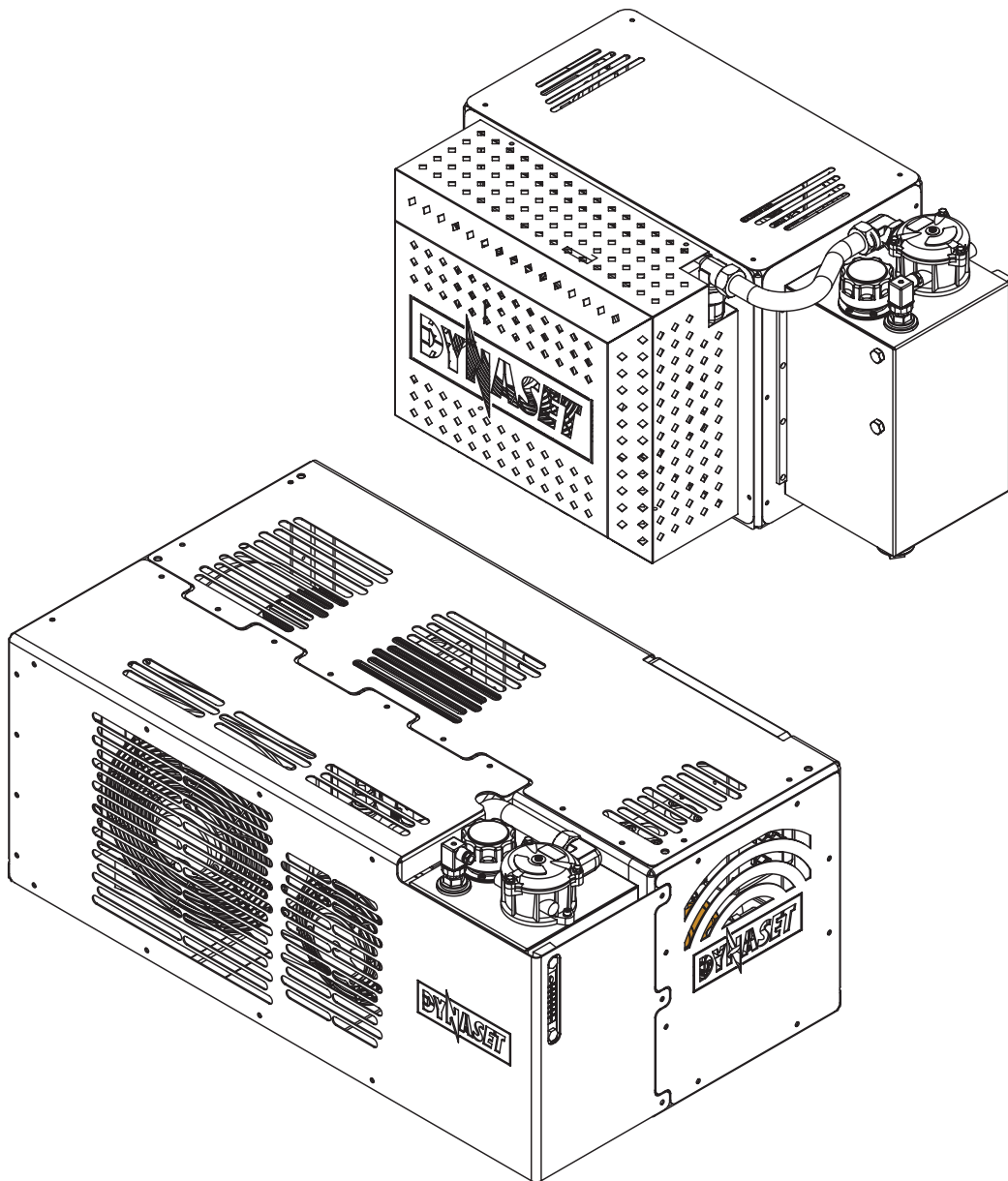


DYNASET

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

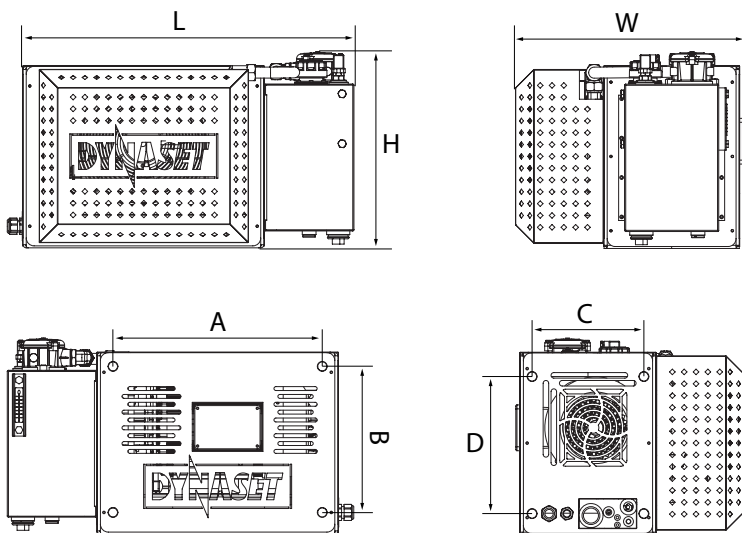
HGV Power Box 20,1
HGV Power Box 30,1

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

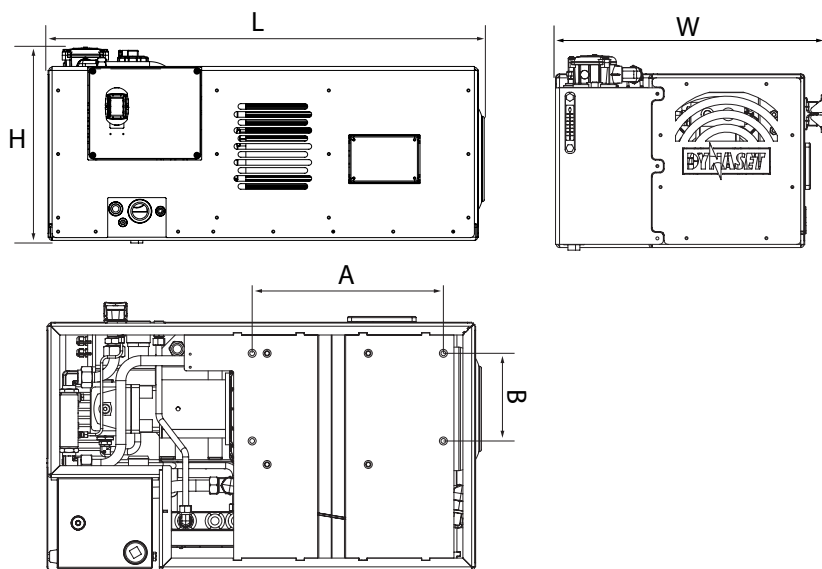
HGV Basic 12
HGV Basic 19
HGV Basic 26

HGV POWER BOX DIMENSIONS

S



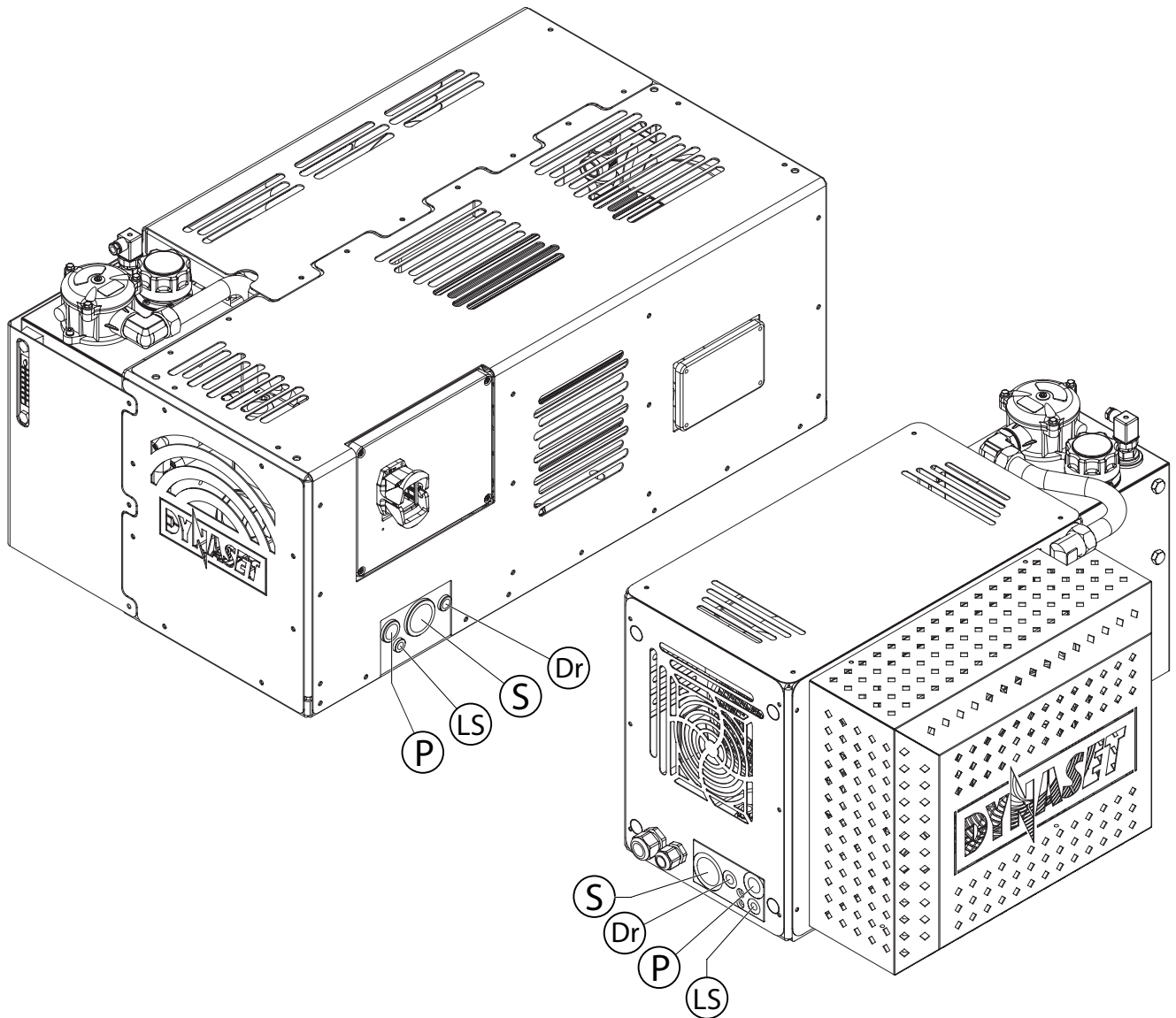
M



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 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	5.8 / 0,8	8.0 / 0,8	12.0 / 0,8	16.0 / 0,8	24.0 / 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	14,1	21,7	32,6	43,5	65,2
	3 phase	9,4	14,4	21,7	28,9	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)	884 (34.8)	884(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 varies 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.



HGV POWER BOX

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Menotie 3
FI-33470 Ylöjärvi, Finland
tel: +358 3 3488 200
info@dynaset.com



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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