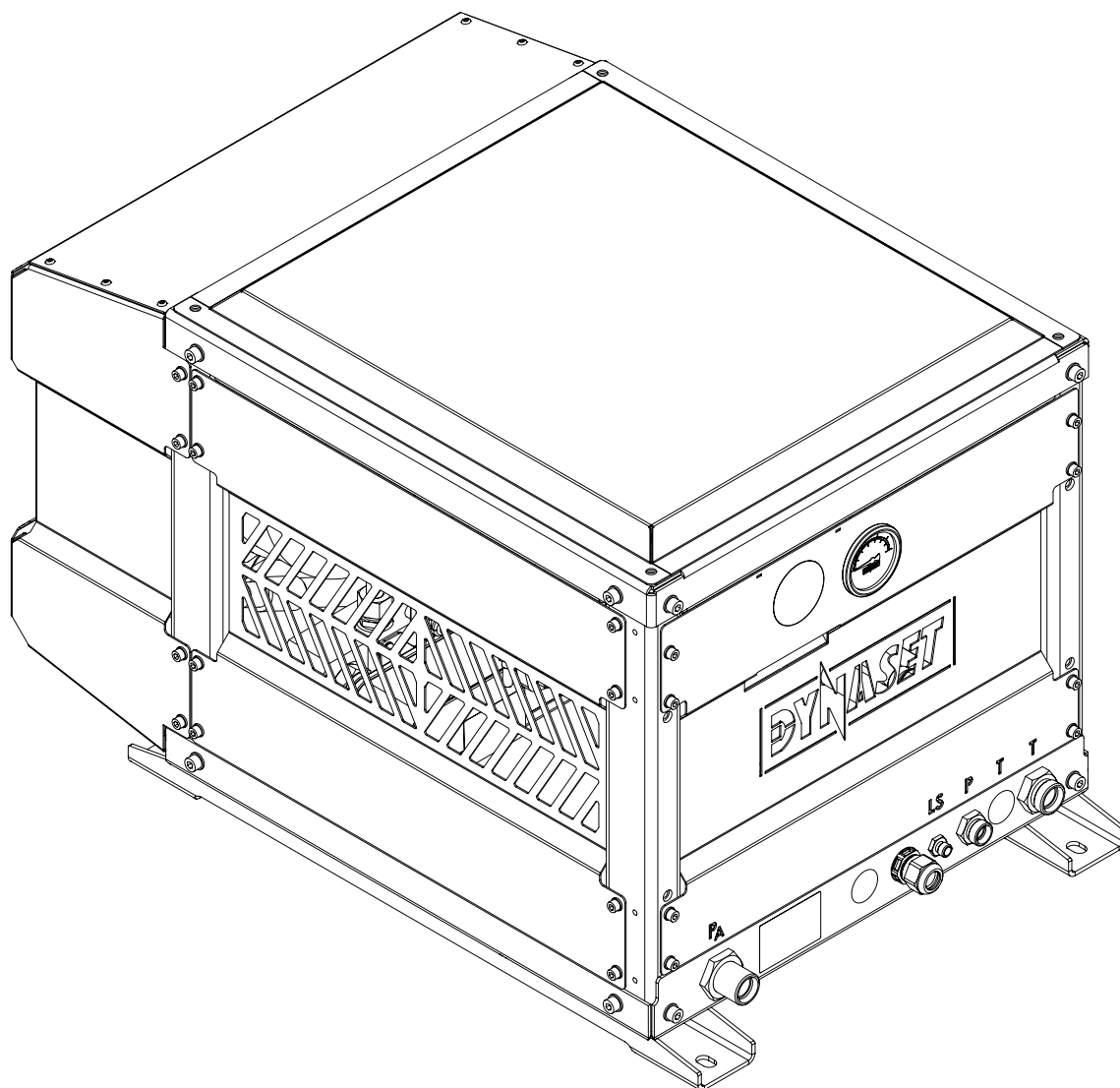




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## **DATASHEET**

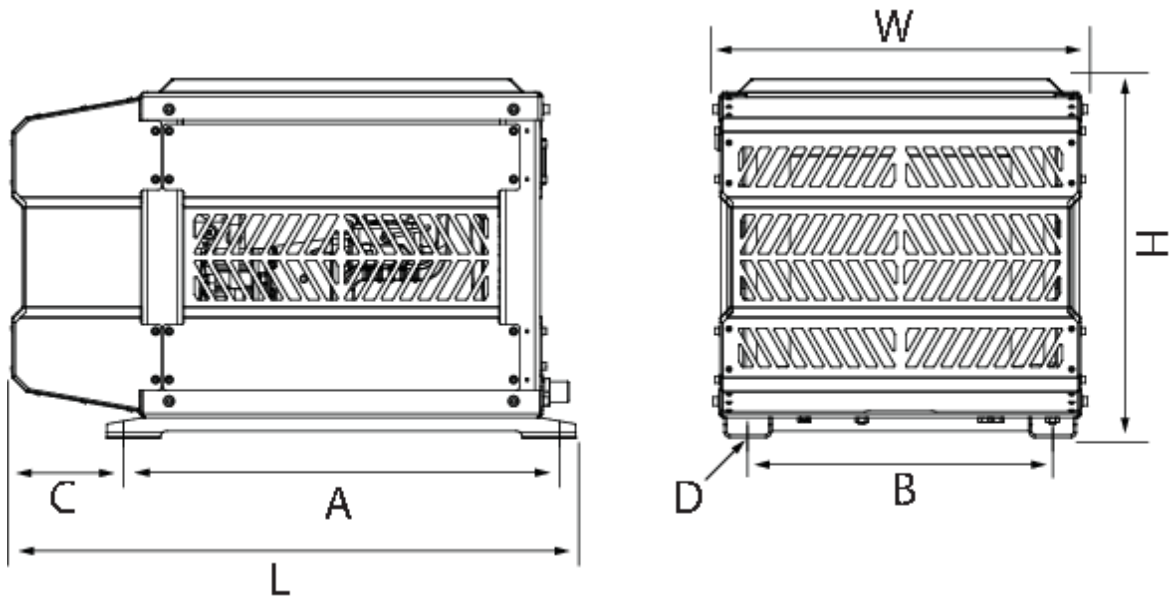
**HKR HYDRAULIC ABOVE DECK COMPRESSOR UNIT**



**HKRAD800  
HKRAD2500**

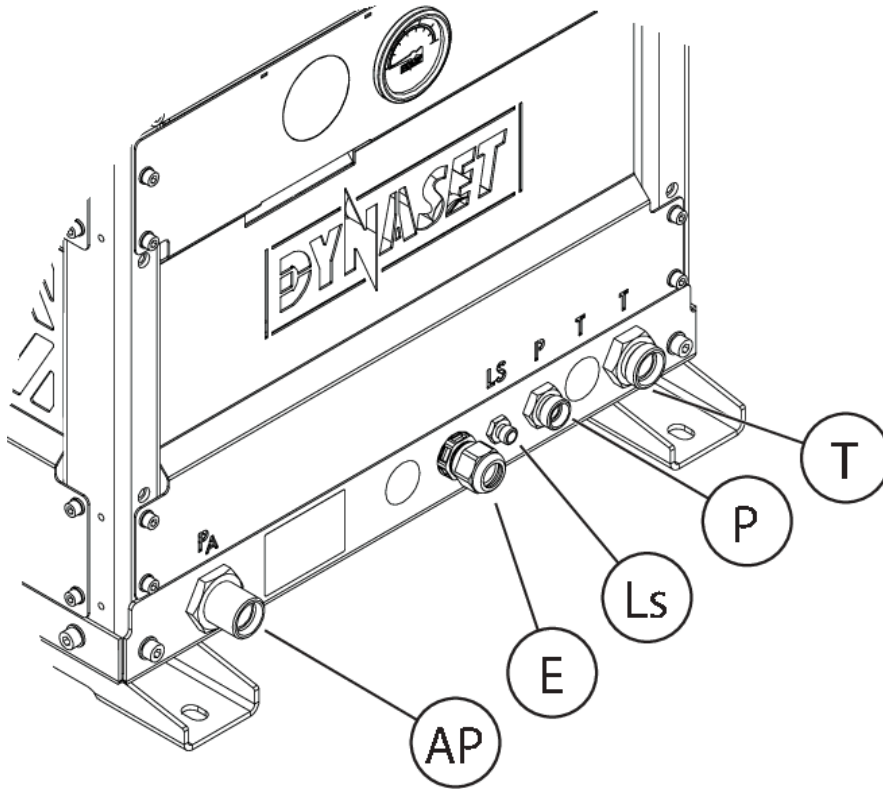
## 1. TECHNICAL SPECIFICATIONS

### 1.1 DIMENSIONS



Model	Dimensions, mm (in)							Weight	
	L	W	H	A	B	C	D	kg	(lbs)
<b>HKR-AD-800</b>	841 (33.1)	540 (21.3)	534 (21.0)	650 (25.6)	455 (17.9)	166 (6.5)	13 (0.5)	116	(256)
<b>HKR-AD-2500</b>	841 (33.1)	540 (21.3)	534 (21.0)	650 (25.6)	455 (17.9)	166 (6.5)	13 (0.5)	146	(322)

## 1.2 CONNECTIONS



Model	Hydraulic & Air Connections				Electric Connection
	Pressure Line, P	Return Line, T	Load Sensing, Ls	Air Output, AP	E, ø mm (in)
<b>HKR-AD-800</b>	15L-M22x1.5	22L-M30x2	06L-M12x1.5	22L-M30x2	9-17 (0.35-0.67) *
<b>HKR-AD-2500</b>	15L-M22x1.5	22L-M30x2	06L-M12x1.5	22L-M30x2	9-17 (0.35-0.67) *

\*Electric connections and wire sizes are found in the electric connections & schematic chapter 10.5

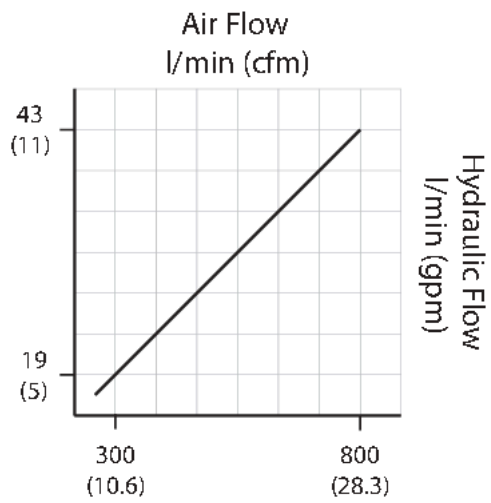
## 1.3 TECHNICAL SPECIFICATIONS

		HKR-AD-800	HKR-AD-2500
<b>DISCHARGE CHARACTERISTICS</b>			
Flow rate max.	<b>l/min (cfm)</b>	500 - 800 (18 - 28)	1'300 - 2'500 (46 - 88)
Pressure max.	<b>bar (psi)</b>	7 (102) - 10 (145)	7 (102) - 10 (145)
Noise level, LWA	<b>dB(A)</b>		
<b>HYDRAULIC POWER REQUIREMENTS</b>			
Flow min.	<b>l/min (gpm)</b>	19 (5.02)	27 (7.13)
Flow nom.	<b>l/min (gpm)</b>	29- 43	37- 67
Flow max.	<b>l/min (gpm)</b>	64 (16.91)	100 (26.42)
Pressure at nominal power output	<b>bar (psi)</b>	115 (1'668) - 145 (2'103)	175 (2'538) - 225 (3'263)
Pressure max.	<b>bar (psi)</b>	230 (3'336)	245 (3'553)
Pressure when unloaded	<b>bar (psi)</b>	105 (1'523)	155 (2'248)
<b>HYDRAULIC FLUID REQUIREMENTS</b>			
Viscosity	<b>cSt</b>	10-200 / optimum 25-35	10-200 / optimum 25-35
Temperature max.	<b>°C(°F)</b>	70 (158)	70 (158)
Filter ratio	<b>µm</b>	25	25
<b>LUBRICATION OIL</b>			
Oil Fill	<b>liter (gal.)</b>	2.5 (0.66)	4.9 (1.29)

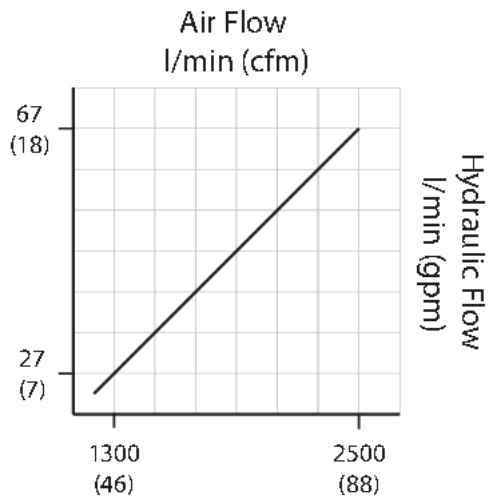
## 1.4 FLOW RANGE CHART

The HKR-AD Series can run on different equipment with varying hydraulic flow output levels. Below is a chart expressing the approximate response of the air output levels of the compressor unit.

HKR-800-AD

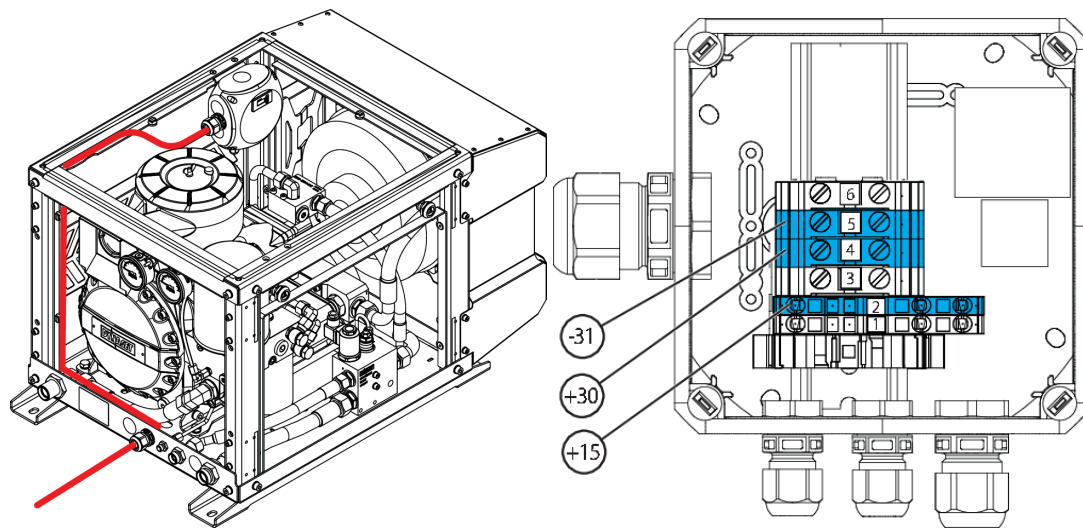


HKR-2500-AD



## 1.5 ELECTRICAL CONNECTIONS & SCHEMATIC

### 1.5.1 ELECTRICAL CONNECTIONS



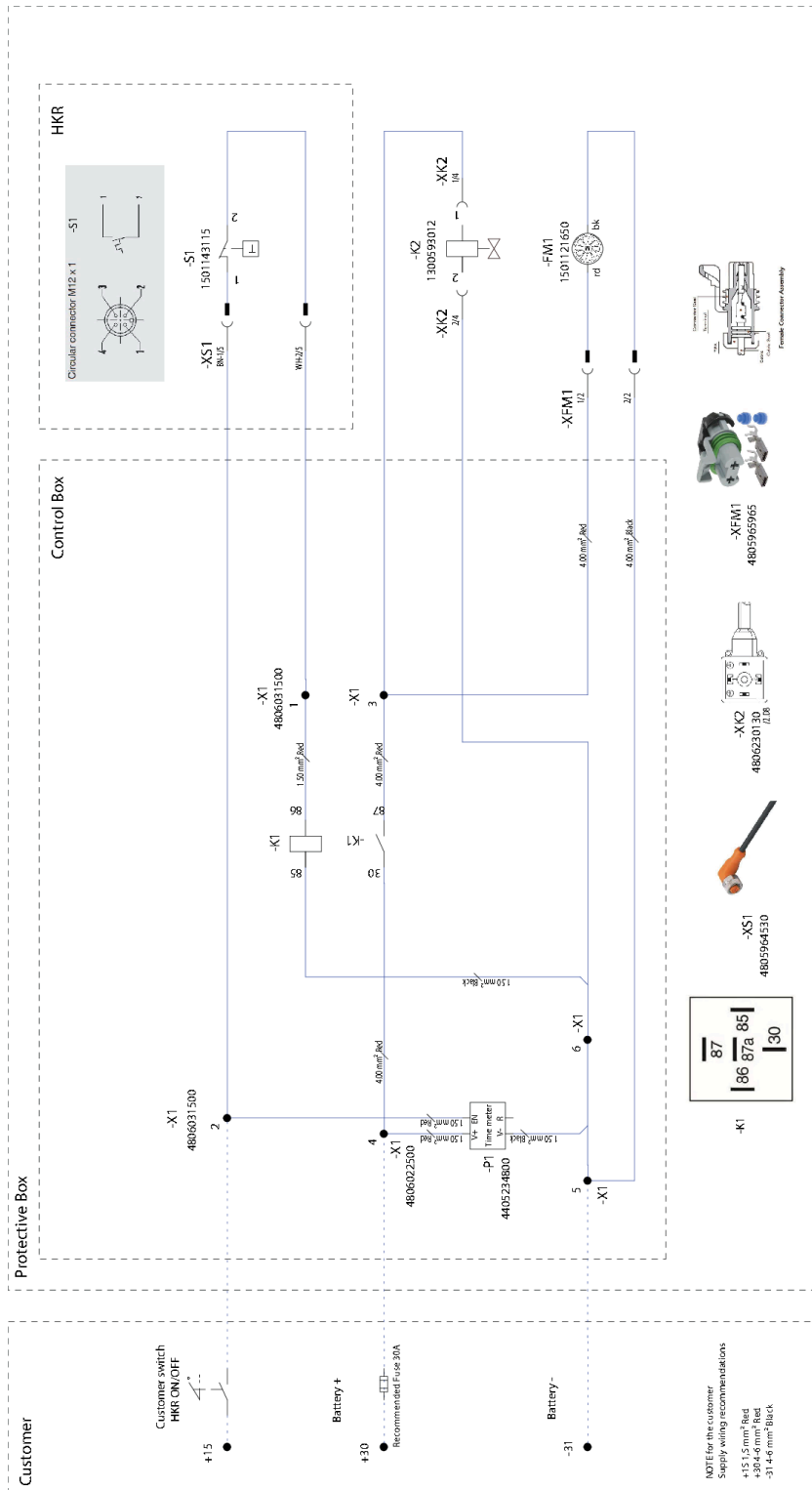
Reference to the electric schematic. Use the ready made cable attachment points found in the frame to attach the wire. Make the wiring as shown in the picture above.

Use following wire sizes:

Electric wire sizes mm <sup>2</sup> (AWG)			Fuses	
Signal Wire	Supply Wire	Ground Wire	12V	24V
1.5 (16)	4 - 6 (12 - 10) *	4 - 6 (12 - 10) *	30 A	20 A

\*For long distance (+5m /16ft) wires use 6mm<sup>2</sup> (10 AWG).

## 1.5.2 ELECTRICAL SCHEMATIC





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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  
KPL-WEED Weed Killing Unit  
SCU Surface Cleaning Unit  
HPW-DUST High Pressure Dust Suppression  
System  
PPL High Pressure Pipe Cleaning Unit  
HPW-FIRE High Pressure Firefighting System  
FP Fire Fighting Piercing Kit  
HDF Hydraulic Drilling Fluid Pump  
JPL High Pressure Bin Washing System  
HSP Hydraulic Submersible Pump



#### COMPRESSED AIR

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



#### MAGNET POWER

HMG PRO Hydraulic Magnet Generator  
MAG Lift Magnet  
HMAG PRO Hydraulic Magnet



#### VIBRATION

HVB Hydraulic Vibration Pump  
HVD Hydraulic Directional Vibra  
HRC Hydraulic Reversal Cylinder



#### POWER BOOSTING

HPI Hydraulic Pressure Intensifier  
HPI-C Hydraulic Pressure Intensifier for  
Cylinder



#### VACUUM

HCF Hydraulic Centrifugal Fan  
HRVB Hydraulic Recycling Vacuum Bucket



#### KNOW-HOW

Hydraulic Power Take-off (PTO)  
Hydraulic Power Unit Technology  
HEU Hydraulic Expansion Unit  
HRU Hydraulic Rescue Units  
De-Icing Technology  
Installation Valves  
HHK Hydraulic Grinder  
HV/HVY Hydraulic Winch / Winch Unit

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