DYNASET

POWERED BY HYDRAULICS

DATA SHEET

HYDRAULIC ROTARY VANE COMPRESSORS

rev 1.0

HKL 400
HKL 801

HKL 1300
HKL 1800
HKL 2600

HKL 4100
HKL 5000
HKL 7500

HYDRAULIC ROTARY VANE COMPRESSOR

DYNASET HKL hydraulic rotary vane compressors are compact and integrated all-in-one units, especially designed for mobile installation. The only power source needed is a hydraulic system of base machine which provides compressor the required hydraulic flow and pressure.

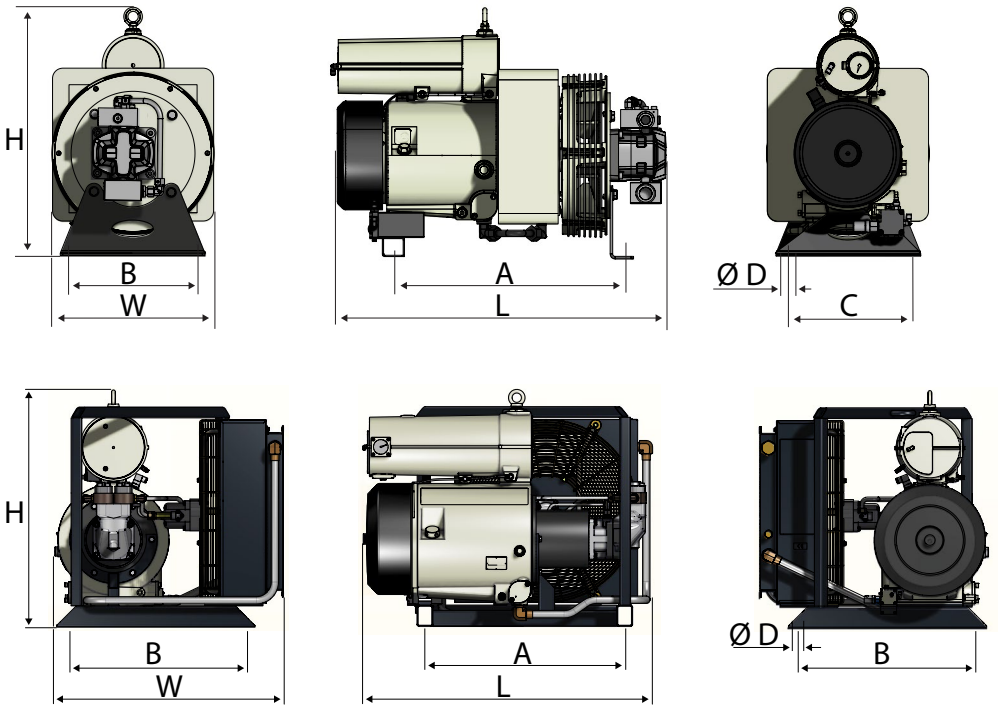
HKL compressor converts the hydraulic power into high quality compressed air and it can be installed in almost any working machine.

The power-to-size ratio of the hydraulic compressor is excellent. In most cases, it can replace the old fashioned and clumsy towed compressor unit – with only a fraction of size and weight.

The compressor produces high quality compressed air which are used to power for example pneumatic tools, filling tires, air flushing, purge air protection equipments, cleaning equipments and CAFS foam generation.

The trouble free hydraulic compressor starts reliably and needs no extra fuel. It will serve a long time – with far less need for maintenance compared to a towed compressor unit of same power level.

DIMENSIONS



MODEL	DIMENSIONS, mm (in)							WEIGHT
	L	W	H	A	B	C	D	kg (lbs)
HKL 400	525 (20.7)	250 (9.8)	325 (12.8)	370 (14.6)	155 (6.1)	155 (6.1)	11 (0.43)	30 (6.6)
HKL 801	640 (25.2)	320 (12.6)	520 (20.5)	425 (16.7)	280 (11.0)	280 (11.0)	12 (0.47)	55 (121)
HKL 1300	640 (25.2)	320 (12.6)	520 (20.5)	425 (16.7)	280 (11.0)	280 (11.0)	12 (0.47)	55 (121)
HKL 1800	790 (31.1)	390 (15.4)	620 (24.4)	550 (21.7)	300 (11.8)	300 (11.8)	14 (0.55)	103 (227)
HKL 2600	790 (31.1)	390 (15.4)	620 (24.4)	550 (21.7)	300 (11.8)	300 (11.8)	14 (0.55)	103 (227)
HKL 4100	890 (35.0)	515 (20.3)	790 (31.1)	585 (23.0)	450 (17.7)	350 (13.8)	14 (0.55)	185 (408)
HKL 5000	890 (35.0)	515 (20.3)	790 (31.1)	585 (23.0)	450 (17.7)	350 (13.8)	14 (0.55)	185 (408)
HKL 7500	1100 (43.4)	890 (35.0)	900 (35.4)	755 (29.7)	700 (27.6)	700 (27.6)	13 (0.51)	330 (728)

PARAMETERS

		HKL 400 /8-24	HKL 801 /8-26	HKL 1300 /8-38	HKL 1300 /8-46 *	HKL 1800 /8-46
DISCHARGE CHARACTERISTICS						
Flow rate max. at ref. conditions **	**l/min (gal)**	400 (105.67)	800 (211.34)	1300 (343.42)	1300 (343.42)	1800 (475.51)
Pressure max.	**bar (psi)**	8 (116)				
Compressed air connection	**AP**	BSP 3/8"	BSP 1/2"	BSP 1/2"	BSP 1/2"	BSP 3/4"
HYDRAULIC POWER REQUIREMENTS						
Oil flow min.	**l/min (gal)**	10 (2.64)	14 (3.70)	20 (5.28)	23 (6.08)	23 (6.08)
Oil flow max.	**l/min (gal)**	35 (9.25)	37 (9.77)	60 (15.85)	66 (17.44)	66 (17.44)
Pressure at nominal flow	**bar (psi)**	120 (1740)	210 (3046)	210 (3046)	170 (2466)	210 (3046)
Pressure max.	**bar (psi)**	250 (3626)				
Pressure when unloaded	**bar (psi)**	80 (1160)	140 (2031)	150 (2176)	130 (1885)	150 (2176)
Hydraulic fluid requirements						
Viscosity	**cSt**	10-200 / optimum 25-35				
Temperature ***	**° C (° F)**	max. 70 (158)				
Filter ratio	**µm**	25 or better				

Gallons are U.S. liquid gallons

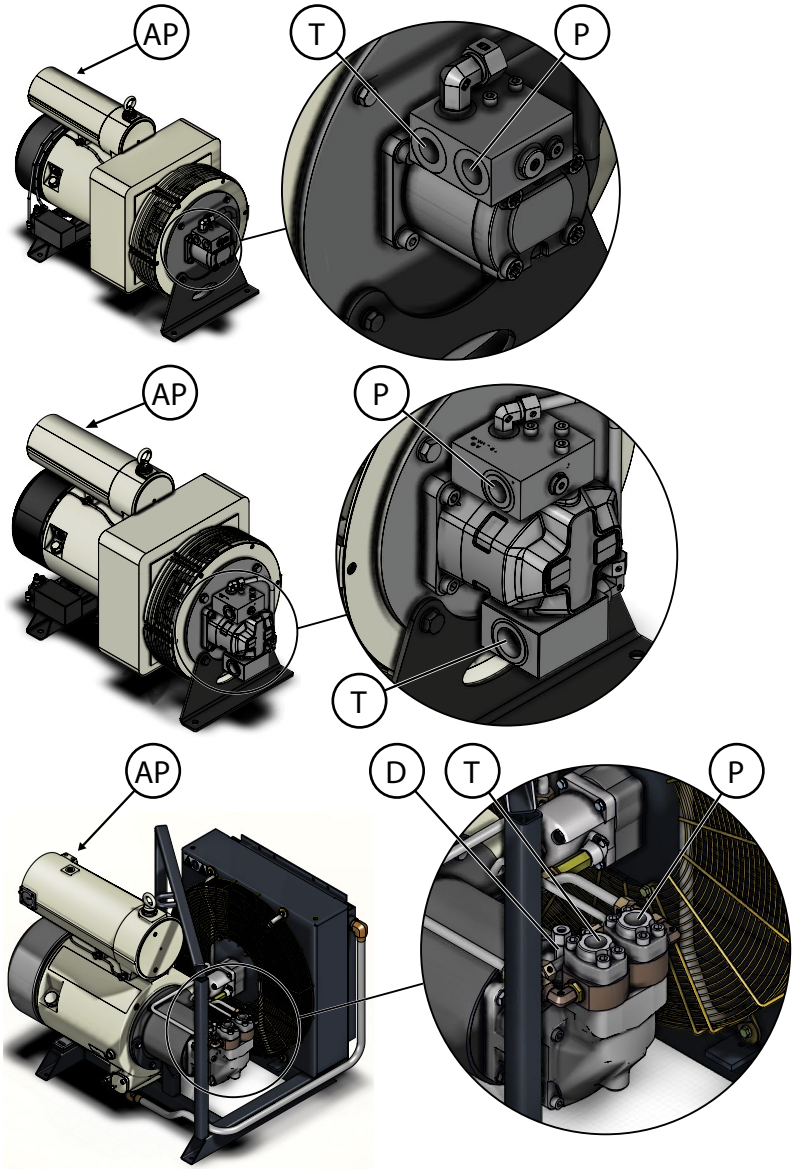
* Low pressure model.
** According to ISO 1217 (19.6) at discharge pressure of 6 bar.
*** Depending on hydraulic fluid.

		HKL 2600 /8-65	HKL 2600 /8-82 *	HKL 4100 /8-113	HKL 5000 /8-135	HKL 7500 /8-150
DISCHARGE CHARACTERISTICS						
Flow rate max. at ref. conditions *	**l/min (gal)**	2600 (686.85)	2600 (686.85)	4100 (1083.11)	5000 (1320.86)	7500 (1981.29)
Pressure max.	**bar (psi)**	8 (116)				
Compressed air connection	**AP**	BSP 3/4"	BSP 3/4"	BSP 1"	BSP 1"	BSP 1 1/4"
HYDRAULIC POWER REQUIREMENTS						
Oil flow min.	**l/min (gal)**	33 (8.72)	41 (10.83)	74 (19.55)	74 (19.55)	90 (23.77)
Oil flow max.	**l/min (gal)**	65 (17.17)	82 (21.66)	113 (29.85)	135 (35.66)	150 (39.63)
Pressure at nominal flow	**bar (psi)**	210 (3046)	170 (2466)	210 (3046)	210 (3046)	260 (3771)
Pressure max.	**bar (psi)**	250 (3626)	250 (3626)	250 (3626)	250 (3626)	280 (4061)
Pressure when unloaded	**bar (psi)**	150 (2176)	135 (1958)	150 (2176)	150 (2176)	160 (2901)
HYDRAULIC FLUID REQUIREMENTS						
Viscosity	**cSt**	10-200 / optimum 25-35				
Temperature * **	**° C (° F)**	max. 70 (158)				
Filter ratio	**µm**	25 or better				

Gallons are U.S. liquid gallons

* Low pressure model.
** According to ISO 1217 (19.6) at discharge pressure of 6 bar.
*** Depending on hydraulic fluid.

CONNECTION PORTS



MODEL	PRESSURE LINE	RETURN LINE	DRAIN LINE	AIR OUTPUT
	P	T	D	AP
HKL 400	BSP 1/2"	BSP 1/2"	-	BSP 3/8"
HKL 801	BSP 1/2"	BSP 1/2"	-	BSP 1/2"
HKL 1300	BSP 1/2"	BSP 1/2"	-	BSP 1/2"
HKL 1800	BSP 1/2"	BSP 1/2"	-	BSP 3/4"
HKL 2600	BSP 3/4"	BSP 1"	-	BSP 3/4"
HKL 4100	BSP 3/4"	BSP 1"	-	BSP 1"
HKL 5000	BSP 3/4"	BSP 1"	-	BSP 1"
HKL 7500	BSP 1"	BSP 1"	T15	BSP 1 1/4"

DYNASET

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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-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 Vibra
HVD Hydraulic Directional Vibra
HRC Hydraulic Reversal Cylinder

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

KNOW-HOW
Hydraulic Power Take-off (PTO)
Hydraulic Power Unit Technology
De-Icing Technology
Installation Valves
HHK Hydraulic Grinder
HV/HVY Hydraulic Winch / Winch Unit

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