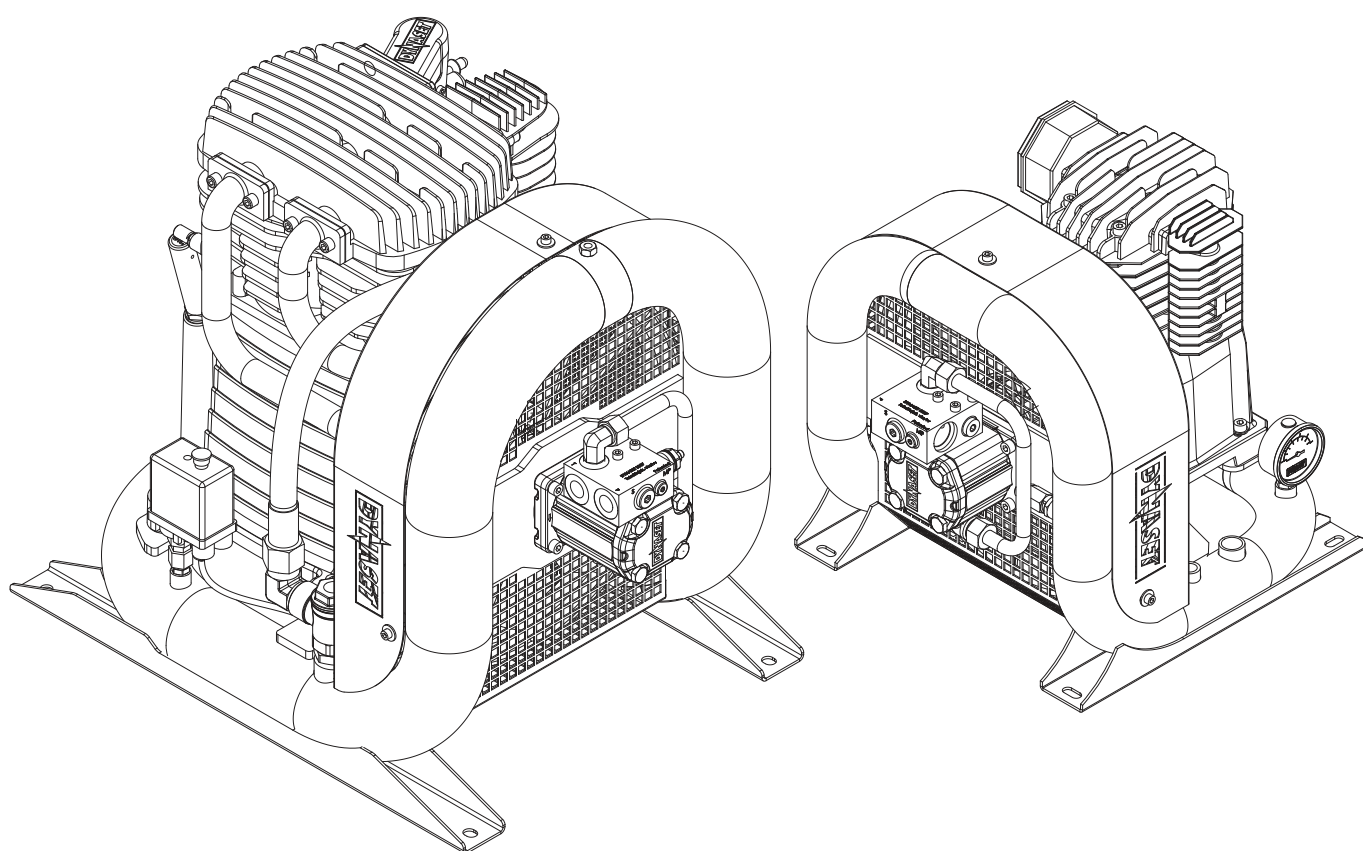


# DYNASET

PARTNER OF YOUR MACHINE



## DATASHEET

HK HYDRAULIC PISTON COMPRESSORS-BLUE AIR



**HK450/8-15**  
**HKOF450/8-15**  
**HK1000/12-35**



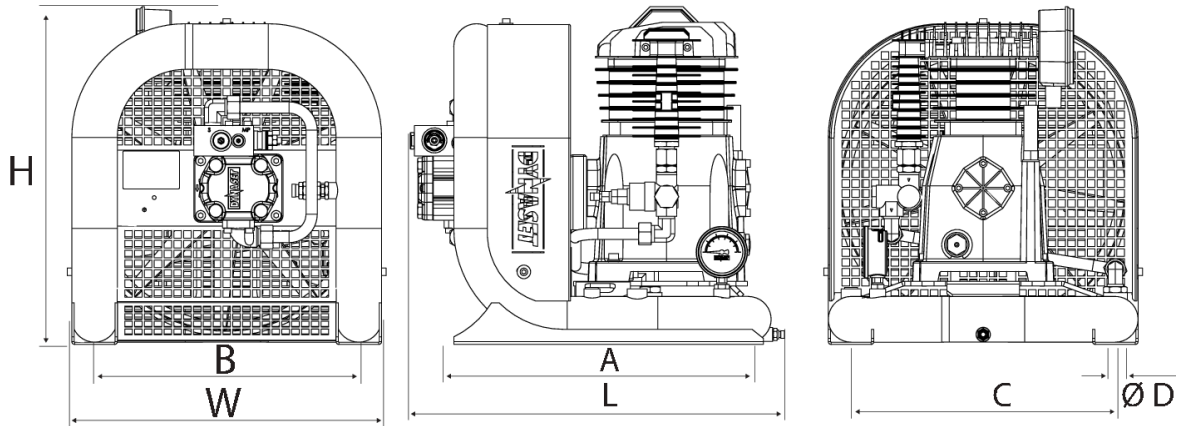
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v.2.2 05/2025 SUK

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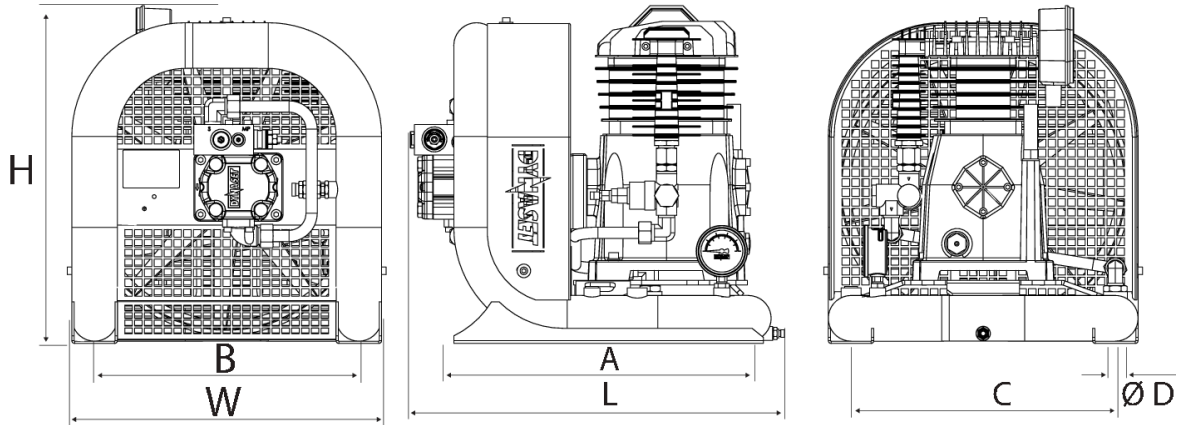
## 1. DIMENSIONS

### HK450



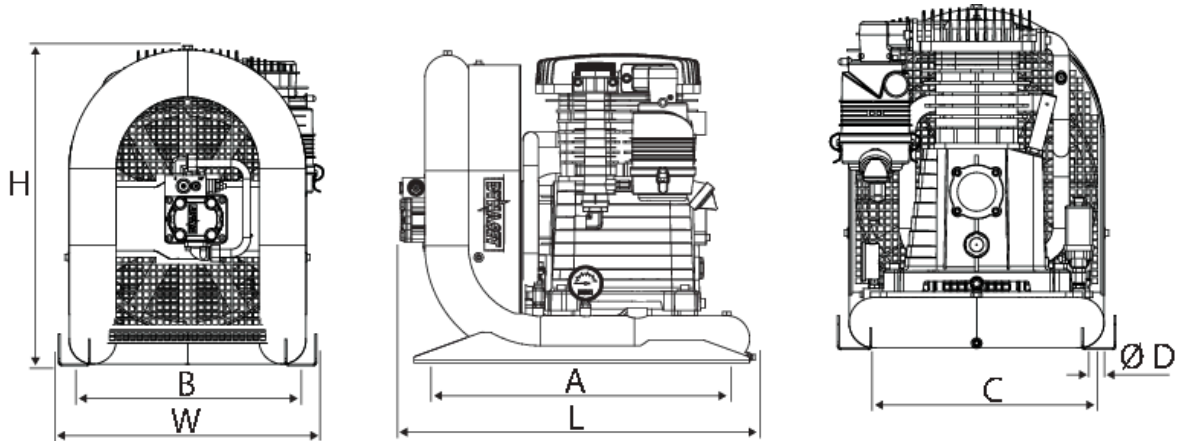
Model	Dimensions, mm (in)							Weight	
	L	W	H	A	B	C	D	kg	(lbs)
<b>HK450/8-15-F-U</b>	496 (19.5)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-F-U-Y</b>	496 (19.5)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-F-U-Y-H</b>	496 (19.5)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-F-E</b>	496 (19.5)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-F-E-Y</b>	496 (19.5)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-F-E-Y-H</b>	496 (19.5)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-S-U</b>	494 (19.4)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-S-U-Y</b>	494 (19.4)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
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<b>HK450/8-15-S-E-Y-H</b>	494 (19.4)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-PNE</b>	517 (20.4)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-PNE-Y</b>	517 (20.4)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)
<b>HK450/8-15-PNE-Y-H</b>	517 (20.4)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35	(77)

## HKOF450



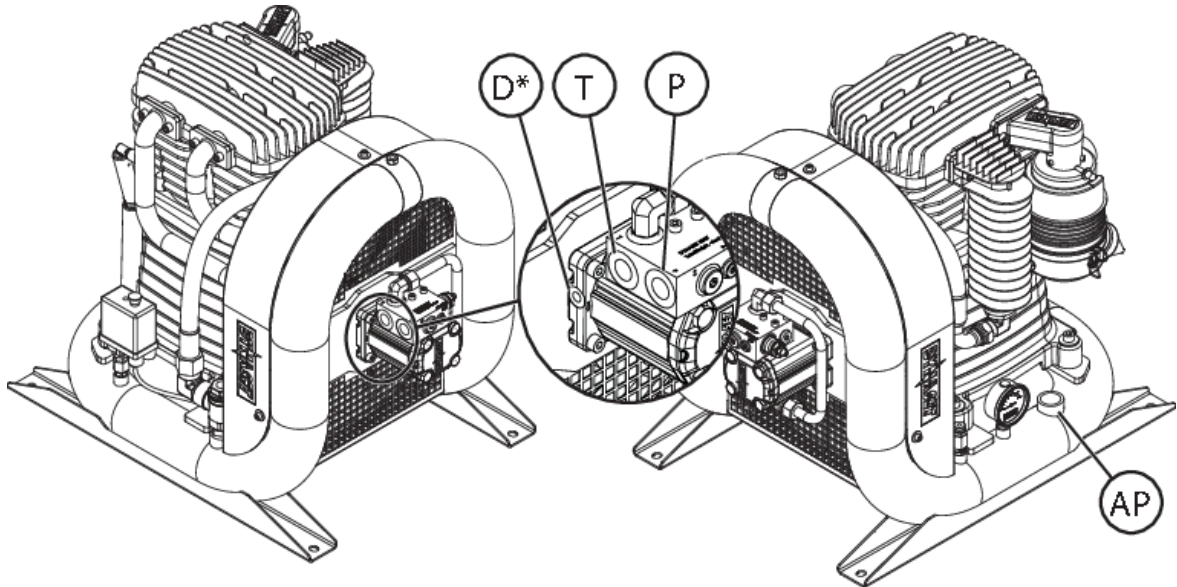
Model	Dimensions, mm (in)								Weight kg (lbs)
	L	W	H	A	B	C	D		
HKOF450/8-15-F-E	496 (19.5)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35 (77)	
HKOF450/8-15-F-E-Y	496 (19.5)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35 (77)	
HKOF450/8-15-F-U	496 (19.5)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35 (77)	
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HKOF450/8-15-S-U	494 (19.4)	410 (16.1)	446 (17.6)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35 (77)	
HKOF450/8-15-S-U-Y	494 (19.4)	410 (16.1)	430 (16.9)	374 (14.7)	350 (13.8)	350 (13.8)	11 (0.4)	35 (77)	

## HK1000



Model	Dimensions, mm (in)							Weight kg (lbs)
	L	W	H	A	B	C	D	
HK1000/12-35-F-U	691 (27.2)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-F-U-D	691 (27.2)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-F-E	691 (27.2)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-F-E-D	691 (27.2)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-PNE	713 (28.1)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-PNE-D	713 (28.1)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-S-E	689 (27.1)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-S-E-D	689 (27.1)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-S-U	689 (27.1)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)
HK1000/12-35-S-U-D	689 (27.1)	490 (19.3)	605 (23.8)	610 (24.0)	430 (16.9)	430 (16.9)	13 (0.5)	80 (177)

## 2. HYDRAULIC CONNECTIONS



Model	Connections			
	Pressure Line, P	Return Line, T	Drain Line, D*	Air Output, AP
HK450/8-15	BSPP 1/2	BSPP 1/2	-	BSPP 1/2
HKOF450/8-15	BSPP 1/2	BSPP 1/2	-	BSPP 1/2
HK1000/12-35	BSPP 1/2	BSPP 1/2	BSPP 1/8	BSPP 1

**\*Only in HK1000 -D models.**

## 3. TECHNICAL SPECIFICATIONS

		HK450/8-15	HKOF450/8-15	HK1000/12-35
<b>DISCHARGE CHARACTERISTICS</b>				
Displacement max at nominal hydraulic flow	<b>l/min (cfm)</b>	450 (16)	450 (16)	1'000 (35)
Pressure max.	<b>bar (psi)</b>	8 (116)	8 (116)	12 (174)
Duty cycle		75%/10min	75%/10min	75%/10min
Frame reservoir	<b>liter (gal.)</b>	4.27 (1.13)	4.27 (1.13)	13 (3.43)
Noise level, LWA	<b>dB(A)</b>	95	95	103
<b>HYDRAULIC POWER REQUIREMENTS</b>				
Flow min.	<b>l/min (gpm)</b>	10 (2.64)	10 (2.64)	12 (3.17)
Flow nom.	<b>l/min (gpm)</b>	15 (3.96)	15 (3.96)	35 (9.25)
Flow max.	<b>l/min (gpm)</b>	21 (5.55)	21 (5.55)	50 (13.21)
Pressure at nominal power output	<b>bar (psi)</b>	130 (1'885)	130 (1'885)	170 (2'466)
Pressure max.	<b>bar (psi)</b>	210 (3'046)	210 (3'046)	230 (3'336)
Pressure when unloaded	<b>bar (psi)</b>	67 (972)	67 (972)	100 (1'450)
<b>HYDRAULIC FLUID REQUIREMENTS</b>				
Viscosity	<b>cSt</b>	10-200 / optimum 25-35	10-200 / optimum 25-35	10-200 / optimum 25-35
Temperature max.*	<b>°C(°F)</b>	70 (158)	70 (158)	70 (158)
Filter ratio	<b>µm</b>	25	25	25
Cooling capacity requirements**	<b>KW</b>	2	2	4
<b>LUBRICATION OIL</b>				
Oil Fill	<b>liter (gal.)</b>	0.9 (0.24)	( )	3.5 (0.92)
* Depending on hydraulic fluid.				
** Minimum oil cooling capacity for HK compressor on base machine.				



## HK HYDRAULIC PISTON COMPRESSORS-BLUE AIR TECHNICAL SPECIFICATIONS

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**PARTNER OF YOUR MACHINE**

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  
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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