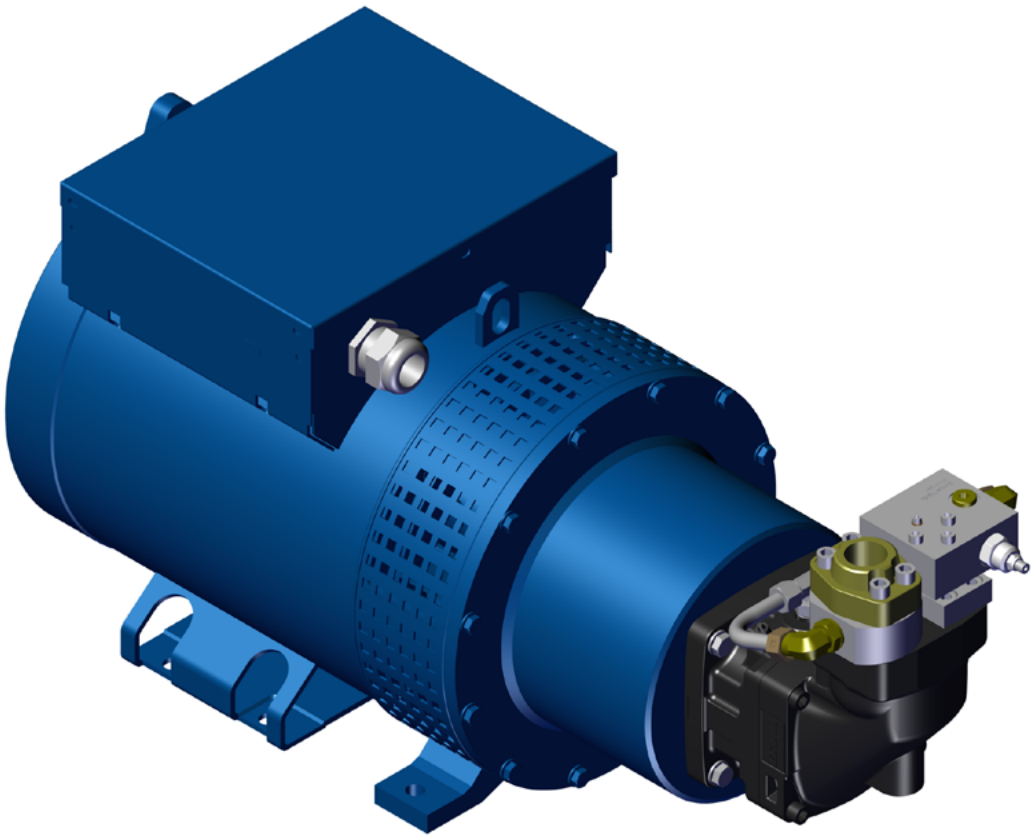
DYNASET

POWERED BY HYDRAULICS



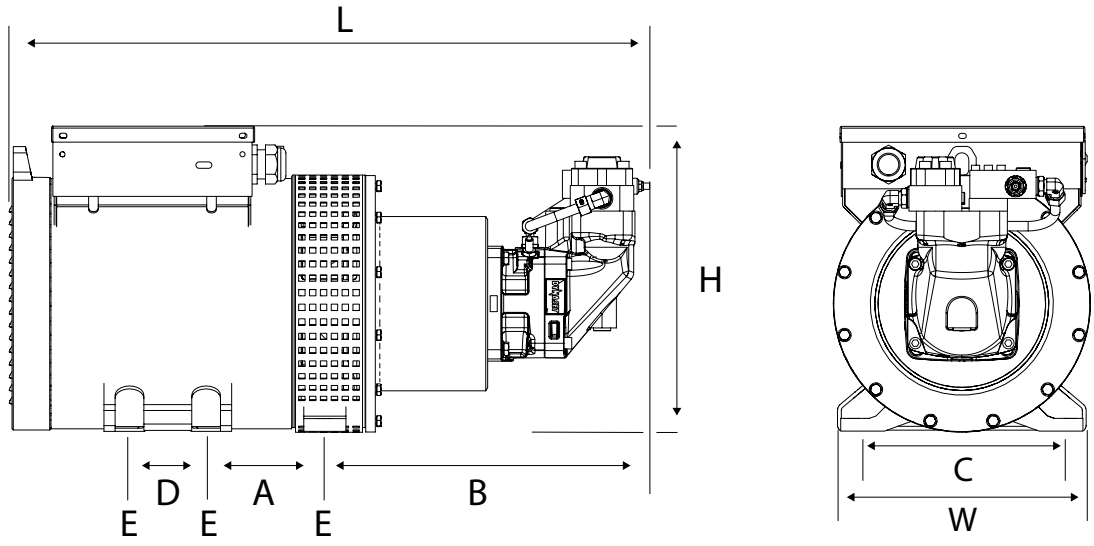
DATA SHEET

HG HYDRAULIC GENERATOR

rev 1.3

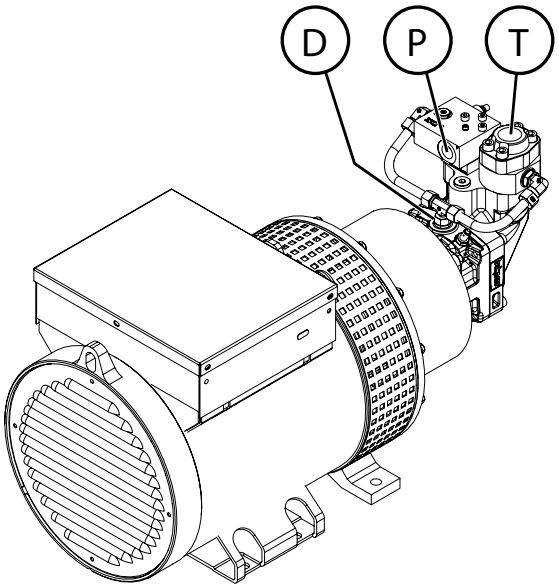
HG30I-E400SS23-120-K
HG30I-E400SS23-90-K
HG40C-E400SS23-165-K
HG40C-E400SS23-90-K
HG50C-E400SS23-188-K
HG50C-E400SS23-120-K
HG60C-E400SS23-120-K
HG70C-E400SS23-165-K

DIMENSIONS



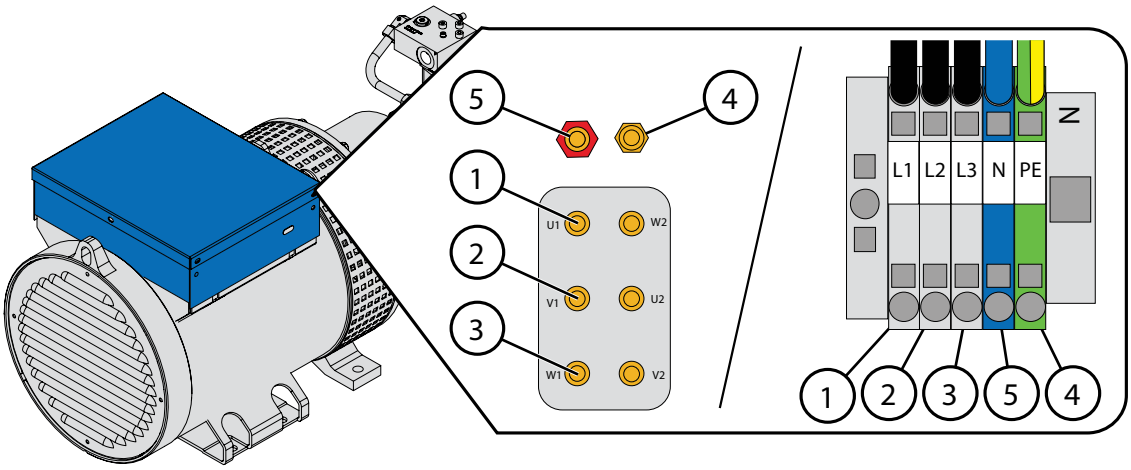
MODEL	DIMENSIONS, mm (in)								WEIGHT
	L	W	H	A	B	C	D	E	kg (lbs)
HG30I-E400SS23-120-K	933 (36.75)	328 (12.95)	433 (17.05)	386 (15.2)	482 (19)	254 (10)	120 (4.7)	Ø15,5 (0.6)	175 (386)
HG30I-E400SS23-90-K	908 (35.75)	328 (12.95)	433 (17.1)	386 (15.2)	456 (18)	254 (10)	120 (4.7)	Ø15,5 (0.6)	173 (381)
HG40C-E400SS23-165-K	1003 (39.5)	402 (15.8)	478 (18.8)	184 (7.2)	511 (20.1)	340 (13.4)	120 (4.7)	Ø16,5 (0.6)	198 (437)
HG40C-E400SS23-90-K	996 (39.2)	402 (15.8)	478 (18.8)	184 (7.2)	503 (19.8)	340 (13.4)	120 (4.7)	Ø16,5 (0.6)	198 (437)
HG50C-E400SS23-188-K	1250 (49.2)	402 (15.8)	490 (19.3)	309 (12.2)	520 (20.5)	340 (13.4)	120 (4.7)	Ø16,5 (0.6)	249 (549)
HG50C-E400SS23-120-K	1135 (44.7)	402 (15.8)	490 (19.3)	309 (12.2)	500 (19.7)	340 (13.4)	120 (4.7)	Ø16,5 (0.6)	249 (549)
HG60C-E400SS23-120-K	1147 (45.2)	403 (15.9)	481 (18.9)	309 (12.2)	528 (20.8)	340 (13.4)	120 (4.7)	Ø16,5 (0.6)	280 (616)
HG70C-E400SS23-165-K	1157 (45.6)	403 (15.9)	481 (18.9)	309 (12.2)	528 (20.8)	340 (13.4)	120 (4.7)	Ø16,5 (0.6)	290 (638)

HYDRAULIC PORTS



MODEL	PRESSURE LINE	RETURN LINE	DRAIN LINE
	P	T	D
HG30I-E400SS23-120-K	BSP 3/4"	BSP 1"	BSP 1/4"
HG30I-E400SS23-90-K	BSP 3/4"	BSP 3/4"	BSP 1/4"
HG40C-E400SS23-165-K	BSP 3/4"	BSP 1 1/4"	BSP 1/4"
HG40C-E400SS23-90-K	BSP 3/4"	BSP 1 1/4"	BSP 1/4"
HG50C-E400SS23-188-K	BSP 1"	BSP 1 1/4"	M22x1,5 Male
HG50C-E400SS23-120-K	BSP 1"	BSP 1 1/4"	M22x1,5 Male
HG60C-E400SS23-120-K	BSP 1"	BSP 1 1/4"	M22x1,5 Male
HG70C-E400SS23-165-K	BSP 1"	BSP 1 1/4"	M22x1,5 Male

CABLE WIRING



ELECTRIC CONNECTIONS				
1	**2**	**3**	**4**	**5**
L1	L2	L3	Ground	N

TECHNICAL SPECIFICATIONS

		HG30I-E400SS23-120-K	HG30I-E400SS23-90-K	HG40C-E400SS23-165-K	HG40C-E400SS23-90-K
OUTPUT CHARACTERISTICS					
Output Power max.	**kVA**	30	30	40	40
Output Voltage	**V**	230/400			
Nominal Current 1~phase* / 3~phase	**A**	65,2/ 43,3	65,2/ 43,3	87,0 / 57,7	87,0 / 57,7
Frequency	**Hz**	50			
Power factor	**cos φ**	0,8			
Frequency control		FLC2			
Phase		3			
IP		IP23			
Voltage regulator		AVR			
HYDRAULIC POWER REQUIREMENTS					
Flow min.	**l/min (gpm)**	122 (32.2)	92 (24.3)	167 (44.1)	92 (24.3)
Flow max.	**l/min (gpm)**	140 (36.9)	110 (29.0)	185 (48.8)	110 (29.0)
Pressure at nominal power output	**bar (psi)**	200 (2900)	280 (4000)	200 (2900)	280 (4000)
Pressure max.	**bar (psi)**	250 (3600)	420 (6100)	250 (3600)	420 (6100)
Pressure when unloaded	**bar (psi)**	40 (580)	30 (440)	40 (580)	30 (440)
HYDRAULIC FLUID REQUIREMENTS					
Viscocity	**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			
Cooling capacity requirements	**kW**	7,8	7,8	8,5	8,5

Gallons are U.S. liquid gallons

* Nominal current 1~phase / 3~phase /phase must not exeed maximum load.

** Depending on the hydraulic fluid.

Other options available by request.

		HG50C-E400SS23-188-K	HG50C-E400SS23-120-K	HG60C-E400SS23-120-K	HG70C-E400SS23-165-K
OUTPUT CHARACTERISTICS					
Output Power max.	**kVA**	50	50	60	70
Output Voltage	**V**	230/400			
Nominal Current 1~phase* / 3~phase	**A**	130,4 / 72,2	130,4 / 72,2	156,5 / 86,6	182,6 / 101
Frequency	**Hz**	50			
Power factor	**cos φ**	0,8			
Frequency control		FLC2			
Phase		3			
IP		IP23			
Voltage regulator		AVR			
HYDRAULIC POWER REQUIREMENTS					
Flow min.	**l/min (gpm)**	190 (50.2)	122 (32.2)	122 (32.2)	167 (44.1)
Flow max.	**l/min (gpm)**	230 (60.7)	140 (36.9)	140 (36.9)	185 (48.8)
Pressure at nominal power output	**bar (psi)**	160 (2300)	280 (4000)	320 (4600)	400 (5800)
Pressure max.	**bar (psi)**	250 (3600)	420 (6100)	420 (6100)	420 (6100)
Pressure when unloaded	**bar (psi)**	40 (580)	40 (580)	40 (580)	30 (440)
HYDRAULIC FLUID REQUIREMENTS					
Viscocity	**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			
Cooling capacity requirements	**kW**	9,8	9,2	11,2	14

Gallons are U.S. liquid gallons

* Nominal current 1~phase / 3~phase /phase must not exeed maximum load.

** Depending on the hydraulic fluid.

Other options available by request.

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-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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