

DATA SHEET

HG HYDRAULIC GENERATOR // 50HZ // IP54



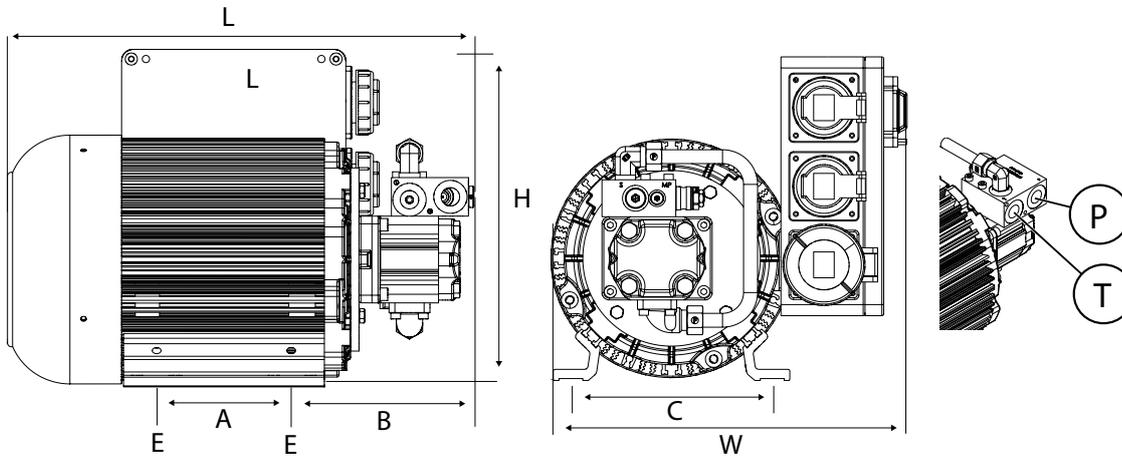
02/21
rev 2.1

HG4,1W
HG6,6W

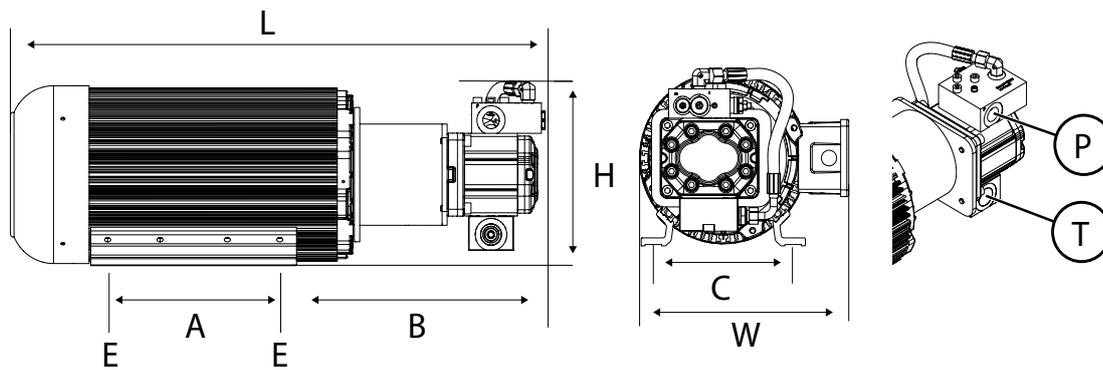
HG10,1W
HG12,1W

HG15,1W
HG20,1W
HG30,1W

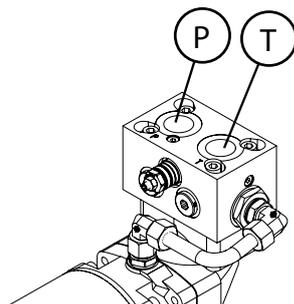
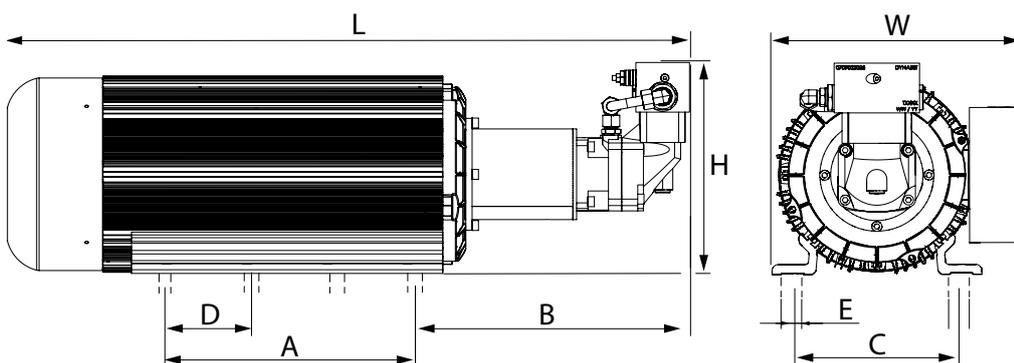
HG4,1W , HG6,6W , HG10,1W , HG12,1W



HG15,1W , HG20,1W



HG30,1W



DIMENSIONS & HYDRAULIC PORTS

VF-SOCKET MODELS

MODEL	DIMENSIONS, mm (in)								WEIGHT
	L	W	H	A	B	C	D	E	kg (lbs)
HG4,1W-E230SE54-25-VF	476 (18.7)	381 (15.0)	352 (13.9)	178 (7.0)	165 (6.5)	216 (8.5)	-	Ø11.5 (0.5)	43,5 (96)
HG6,6W-E400ST54-34-VF	458 (18.0)	379 (14.9)	354 (13.9)	178 (7.0)	140 (5.5)	216 (8.5)	-	Ø11,5 (0.5)	56,5 (125)
HG10,1W-E400ST54-49-VF	517 (20.4)	379 (14.9)	354 (13.9)	178 (7.0)	186 (7.3)	216 (8.5)	-	Ø11,5 (0.5)	68 (150)
HG12,1W-E400ST54-54-VF	519 (20.4)	449 (17.7)	391 (15.4)	178 (7.0)	188 (7.4)	216 (8.5)	-	Ø11,5 (0.5)	68 (150)
HG15,1W-E400ST54-63-VF	567 (22.3)	449 (17.7)	392 (15.5)	178 (7.0)	208 (8.2)	216 (8.5)	-	Ø11,5 (0.5)	98 (216)
HG20,1W-E400ST54-78-VF	800 (31.5)	449 (17.7)	392 (15.5)	278 (10.9)	389 (15.1)	216 (8.5)	-	Ø11,5 (0.5)	120 (265)

CABLE MODELS

MODEL	DIMENSIONS, mm (in)								WEIGHT
	L	W	H	A	B	C	D	E	kg (lbs)
HG4,1W-E230SE54-25-K	476 (18.7)	334 (13.1)	261 (10.3)	178 (7.0)	165 (6.5)	216 (8.5)	-	Ø11,5 (0.5)	43,5 (96)
HG6,6W-E400ST54-34-K	478 (18.9)	334 (13.1)	261 (10.3)	178 (7.0)	167 (6.6)	216 (8.5)	-	Ø11,5 (0.5)	56,5 (125)
HG10,1W-E400ST54-49-K	518 (20.4)	332 (13.1)	261 (10.3)	178 (7.0)	186 (7.3)	216 (8.5)	-	Ø11,5 (0.5)	68 (150)
HG12,1W-E400ST54-54-K	519 (20.5)	332 (13.1)	260 (10.2)	178 (7.0)	188 (7.4)	216 (8.5)	-	Ø11,5 (0.5)	68 (150)
HG15,1W-E400ST54-63-K	567 (22.3)	332 (17.7)	261 (10.3)	178 (7.0)	208 (8.2)	216 (8.5)	-	Ø11,5 (0.5)	98 (216)
HG20,1W-E400ST54-78-K	800 (31.5)	323 (12.7)	268 (10.6)	278 (10.9)	389 (15.1)	216 (8.5)	-	Ø11,5 (0.5)	120 (265)
HG30,1W-E400ST54-90-K	1086 (42.8)	397 (15.6)	340 (13.4)	381 (15.0)	447 (17.6)	267 (10.5)	127 (5.0)	Ø14 (0.55)	185 (407)

MODEL	PRESSURE LINE	RETURN LINE
	P	T
HG4,1W-E230SE54-25-VF	BSP 1/2"	BSP 1/2"
HG6,6W-E400ST54-34-VF	BSP 1/2"	BSP 1/2"
HG10,1W-E400ST54-49-VF	BSP 1/2"	BSP 1/2"
HG12,1W-E400ST54-54-VF	BSP 1/2"	BSP 1/2"
HG15,1W-E400ST54-63-VF	BSP 1/2"	BSP 1/2"
HG20,1W-E400ST54-78-VF	BSP 3/4"	BSP 1"
HG30,1W-E400ST54-90-K	BSP 1"	BSP 1"

TECHNICAL SPECIFICATIONS

		HG4,1W- E230SE54- 25-VF	HG6,6W- E400ST54- 34-VF	HG10,1W- E400ST54- 49-VF	HG12,1W- E400ST54- 54-VF
OUTPUT CHARACTERISTICS					
Outputpower	kVA	4,1	6,6	10,1	12,1
Output Voltage	V	230 VAC	230/400 VAC	230/400 VAC	230/400 VAC
Nominal Current*	A	17,8 / -	14,3 / 9,5	21,7 / 14,6	26,1 / 17,5
Frequency	Hz	50	50	50	50
Power factor	cos φ	1	0,8	0,8	0,8
Phase		1	1/3	1/3	1/3
IP (NEMA)		54 (4)	54 (4)	54 (4)	54 (4)
Voltage regulator		AVR	AVR	AVR	AVR
Socket	1 phase / 3 phase / K cable	2 / - / -	2 / 1 / -	2 / 1 / -	2 / 2 / -
HYDRAULIC POWER REQUIREMENTS					
Flow min.	l/min (gpm)	28 (7.4)	37 (9.8)	52 (13.7)	58 (15.6)
Flow max.	l/min (gpm)	37 (9.7)	51 (13.4)	73 (19.2)	81 (21.3)
Pressure at nominal power output	bar (psi)	140 (2000)	180 (2600)	180 (2600)	200 (2900)
Pressure max.	bar (psi)	210 (3000)	210 (3000)	210 (3000)	210 (3000)
Pressure when unloaded	bar (psi)	35 (510)	35 (510)	40 (580)	50 (730)
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			
Cooling capacity requirements	kW	1,6	2,4	3,1	3,5

Gallons are U.S. liquid gallons

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

** Depending on the hydraulic fluid.

VF = Model with F-type socket(s)

Other options available by request.

		HG15,1W- E400ST54-63-VF	HG20,1W- E400ST54-78-VF	HG30,1W- E400ST54-90-K
OUTPUT CHARACTERISTICS				
Outputpower	kVA	15,1	20,1	30,1
Output Voltage	V	230/400	230/400	230/400 VAC
Nominal Current*	A	32,6/ 21,8	43,7/ 29,0	65,2 / 43,3
Frequency	Hz	50	50	50
Power factor	cos φ	0,8	0,8	0,8
Phase		1/3	1/3	1/3
IP (NEMA)		54 (4)	54 (4)	54 (4)
Voltage regulator		AVR	AVR	AVR
Socket	1 phase / 3 phase / K cable	2 / 1 / -	2 / 2 / -	- / - / K
HYDRAULIC POWER REQUIREMENTS				
Flow min.	l/min (gpm)	65 (17.2)	82 (21.9)	95 (25.1)
Flow max.	l/min (gpm)	85 (22.4)	97 (25.6)	120 (31.6)
Pressure at nominal power output	bar (psi)	200 (2900)	200 (2900)	280 (4100)
Pressure max.	bar (psi)	210 (3000)	210 (3000)	420 (6100)
Pressure when unloaded	bar (psi)	35 (510)	50 (730)	50 (730)
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		
Cooling capacity requirements	kW	3,9	4,5	7,8

Gallons are U.S. liquid gallons

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

** Depending on the hydraulic fluid.

VF = Model with F-type socket(s)

Other options available by request.



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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



MAGNET POWER

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



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



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



COMPRESSED AIR

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



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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