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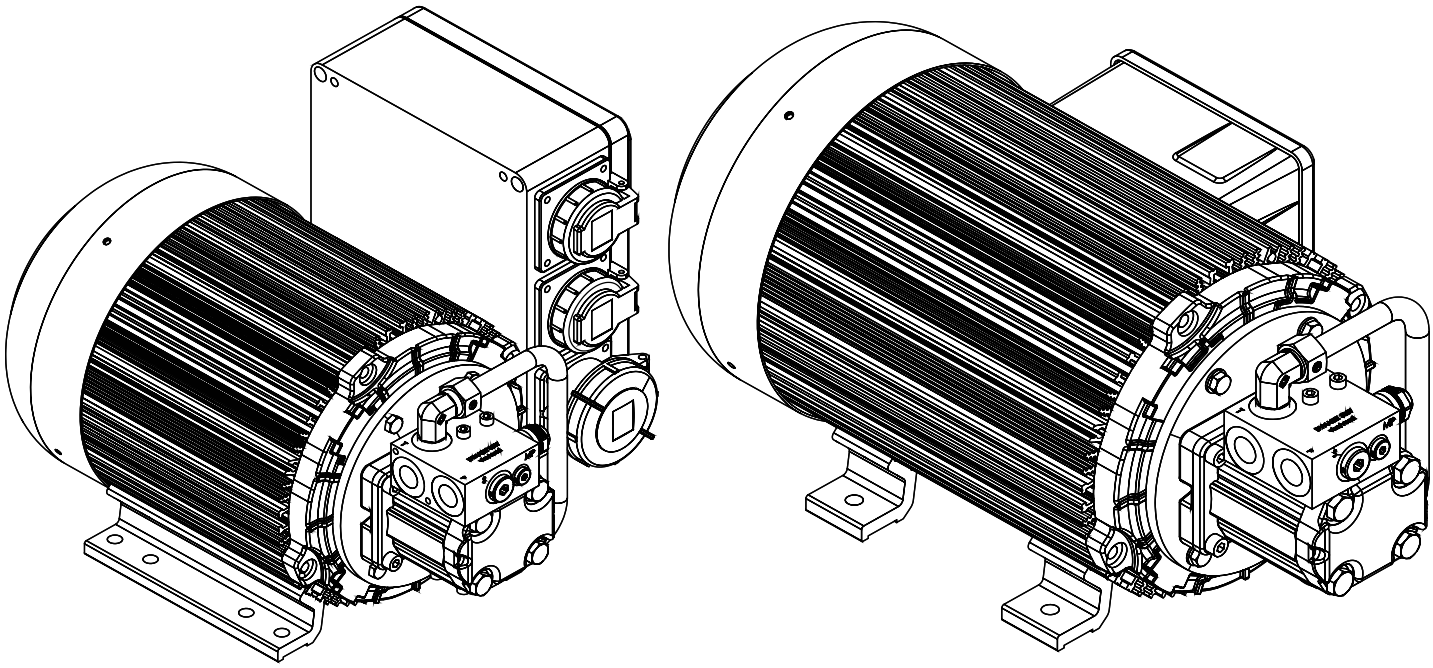
DYNASET
POWERED BY HYDRAULICS



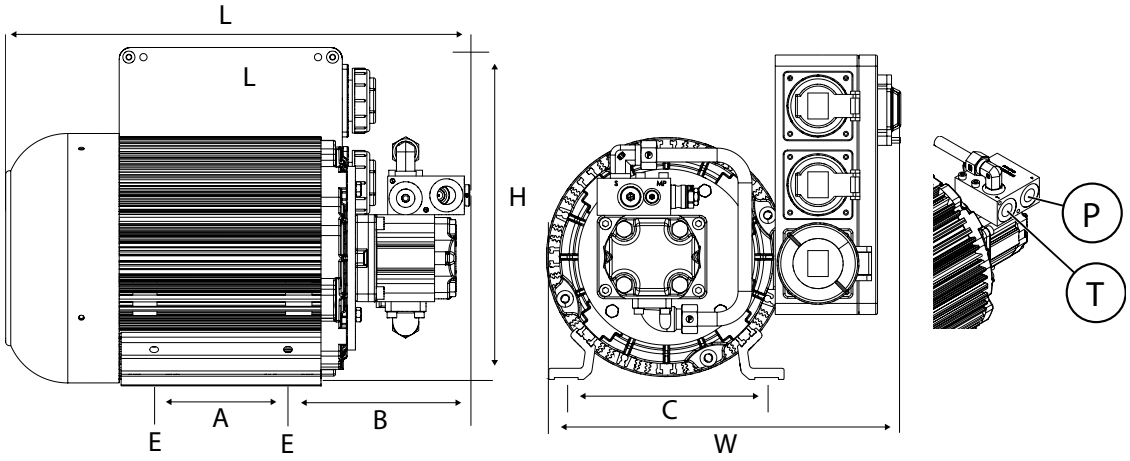
DATA SHEET

HG HYDRAULIC GENERATOR // 50HZ // IP54

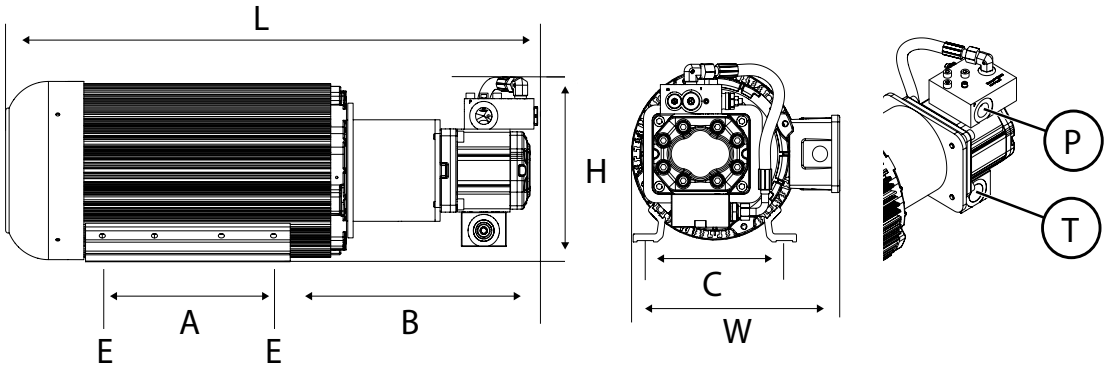
02/21
rev 2.1

HG4,1W
HG6,6W
HG10,1W
HG12,1W
HG15,1W
HG20,1W
HG30,1W

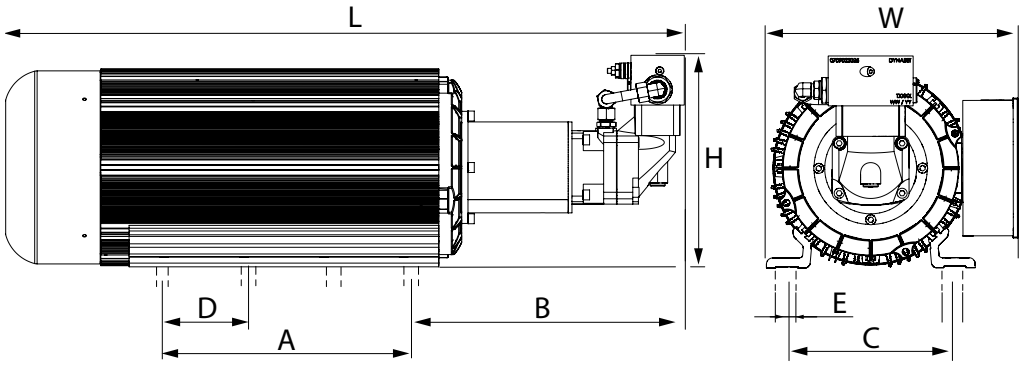
HG4,1W , HG6,6W , HG10,1W , HG12,1W

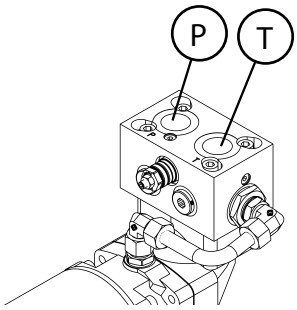


HG15,1W , HG20,1W



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					
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**	1,6	2,4	3,1	3,5

Gallons are U.S. liquid gallons

* Nominal current 1~phase / 3~phase /phase must not exeed 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				
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**	3,9	4,5	7,8

Gallons are U.S. liquid gallons

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

** Depending on the hydraulic fluid.

VF = Model with F-type socket(s)

Other options available by request.