



HYDRAULIC COMPONENTS
HYDROSTATIC TRANSMISSIONS
GEARBOXES - ACCESSORIES

Certified Company ISO 9001 - 14001



Via M. L. King, 6 - 41122 MODENA (ITALY)

Tel: +39 059 415 711

Fax: +39 059 415 729 / 059 415 730

INTERNET: <http://www.hansatmp.it>

E-MAIL: hansatmp@hansatmp.it

HT 2400 / A / 109 / 0515 / E / V

THE PRODUCTION LINE OF HANSA-TMP

HANSA-TMP HYDRAULIC GENERATORS HIGH QUALITY ELECTRICITY

For use with Fixed Displacement Pumps



HANSA-TMP is an Italian manufacturer, that engineers hydraulic components to a very high standard. In the hydraulic generator field we provide standard solutions with power up to 13,5 kVA at 50 Hz or 60 Hz. We also supply special units such as: welders, lifting magnets and different configurations of powers, AC tensions.

This new range of hydraulic generators are reliable on-site power supply and cost saving.

All our hydraulic generators can be easily installed in any working machine and run with the hydraulic of the system, this is an alternative to a generator run with engine, which is really a more expensive solution.

HANSA-TMP hydraulic generators provide high quality electricity for various tools and equipment, such as: hand tools, welding machines, pumps and electric motors, everywhere you work using the hydraulic power of the machine.

Standard Features:

- Frequency 50 Hz or 60 Hz
- AC current - 2 poles
- Mono-phase - Power from 3,5 to 10 kVA
- Three-phase - Power from 5,5 to 12 kVA
- Designed to provide clean and quiet power with low oscillation
- Flow regulator maintains frequency at 50 Hz \pm 2%
- Automatic voltage regulation accuracy \pm 5%
- Total harmonic distortion less than 3%
- Standard plugs are according to DIN
- Standard protection class IP23

On Request:

- Different voltages or frequencies
- Tropicalized winding
- Insulation system according to UL 1446
- Different types of accessories, such as switches, voltmeters, battery chargers
- Certificates for the electric part: CE and CSA International are available
- Other protections on request

Examples of Applications

HANSA-TMP hydraulic generators for lifting magnet transform the hydraulic power of the machine into magnetic lifting power.

The hydraulic generators for lifting magnet are a quick solution, they can be easily mounted on excavators, connected to the hydraulic system. They can accept back pressure up to 20 bar and on request up to 50 bar.

Voltage accuracy up to \pm 5% gives great accuracy in material handling.



50Hz FREQUENCY						
Electric				Hydraulic		
Generator Model	kVA	Number of Phases	Alternator Speed rpm	Min. Inlet Flow l/min	Max. Pressure bar	Motor Type
HTG 3,5 - 50	3,5	Single Phase 115 / 230 V	3.000	22	175	Gear
HTG 4,5 - 50	4,5			22		
HTG 6,0 - 50	6,0			27		
HTG 7,0 - 50	7,0			35		
HTG 8,0 - 50	8,0			50		
HTG 10,0 - 50	10,0			60		
HTG 5,5 - 50	5,5	Three Phases 230 / 400 V		27		
HTG 7,0 - 50	7,0			35		
HTG 9,0 - 50	9,0			50		
HTG 10,0 - 50	10,0			60		
HTG 13,5 - 50	13,5			72		

60Hz FREQUENCY						
Electric				Hydraulic		
Generator Model	kVA	Number of Phases	Alternator Speed rpm	Min. Inlet Flow l/min	Max. Pressure bar	Motor Type
HTG 3,5 - 60	4,2	Single Phase 138 / 277 V	3.600	25	250	Pistons
HTG 4,5 - 60	5,4			25		
HTG 6,0 - 60	7,2			30		
HTG 7,0 - 60	10,4			38		
HTG 8,0 - 60	9,8			55		
HTG 10,0 - 60	12,0			65		
HTG 5,5 - 60	7,0	Three Phases 277 / 480 V		30		
HTG 7,0 - 60	8,5			38		
HTG 9,0 - 60	11,0			55		
HTG 10,0 - 60	12,5			55		
HTG 13,5 - 60	16,5			74		

PRIORITY VALVE for Fixed Displacement Pumps

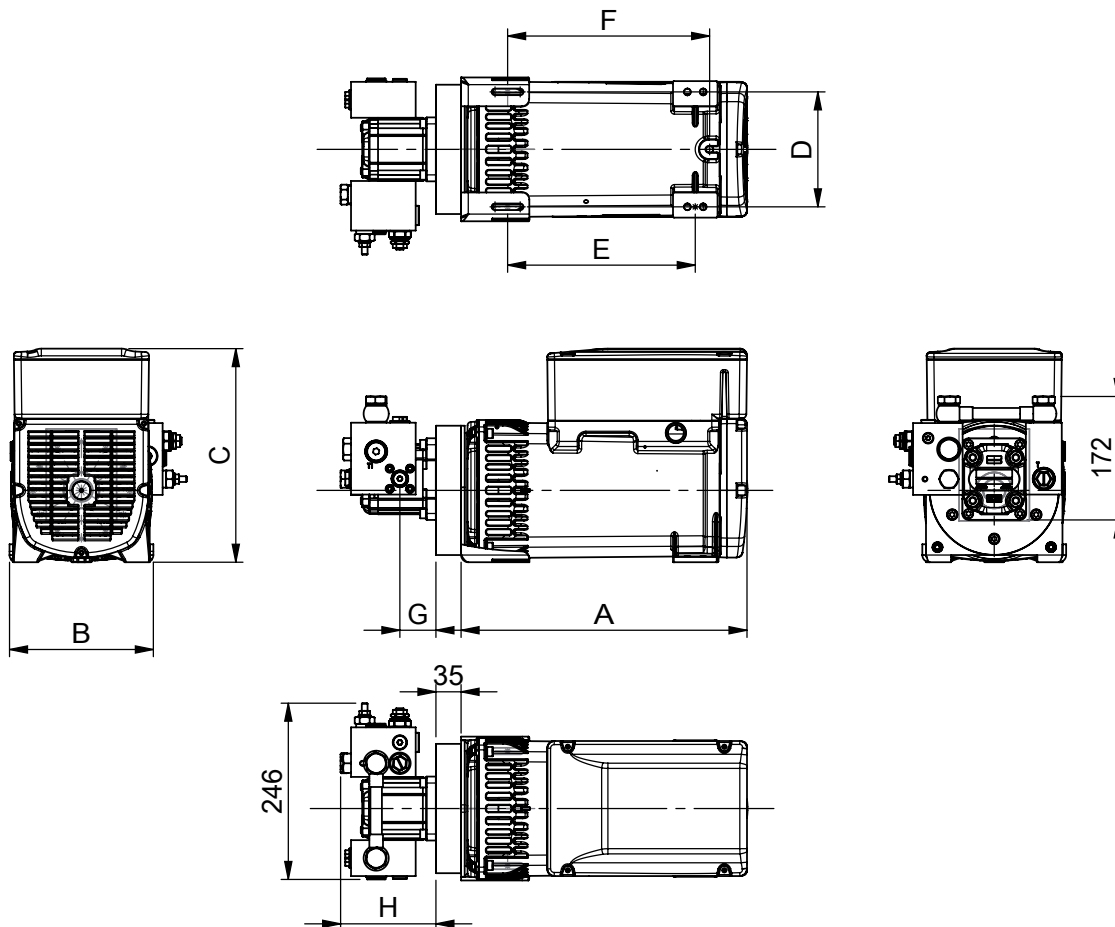
The manifold incorporates all the required valves to allow the generator to operate without the need of any other component parts. It incorporates: a pressure relief valve, a pressure compensated flow control valve, an anticavitation circuit and a by-pass line remote controlled.

To install, you simply connect the existing pressure line from the function pump into P, then connect the tank return line from T.

The circuit provide a regulated flow to the gear motor giving high rotation stability to the alternator. Excess flow is returned to tank.

Oil flow passes directly into tank, with the by-pass activated activated.

INSTALLATION DIMENSIONS



Single-phase generator and displacement hydraulic motor	Power (kVA)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
HTG3.5 - 6cc/8cc	3.5	370	197	324	160		160
HTG4.5 - 8cc	4.5	370	197	324	160		160
HTG6 - 11cc/14cc	6.0	394	196	299	160	257	
HTG7 - 14cc	7.0	394	196	299	160	257	
HTG8 - 14cc	8.0	416	196	299	160	257	
HTG10 - 16.5cc	10.0	418	230	325	190	298	

Three-phase generator and displacement hydraulic motor	Power (kVA)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
HTG5.5 - 8cc/11cc	5.5	394	196	299	160	257
HTG7 - 14cc	7.0	394	196	299	160	257
HTG9 - 16.5cc	9.0	394	196	299	160	257
HTG10 - 16.5cc	10.0	416	196	299	160	257
HTG13.5	13.5	418	230	325	190	298

Motor	Displacement	G (mm)	H (mm)
2SM_6	6cc	46	128.5
2SM_8	8cc	48.1	130.6
2SM_11	11cc	50.2	132.7
2SM_14	14cc	52.7	135.2
2SM_16	16.5cc	54.8	137.3