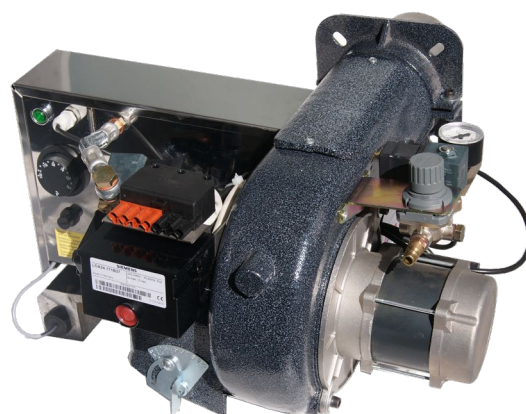


Citerm Heating Systems d.o.o.

Hot Air Generators
and
Multifuel Oil Burners



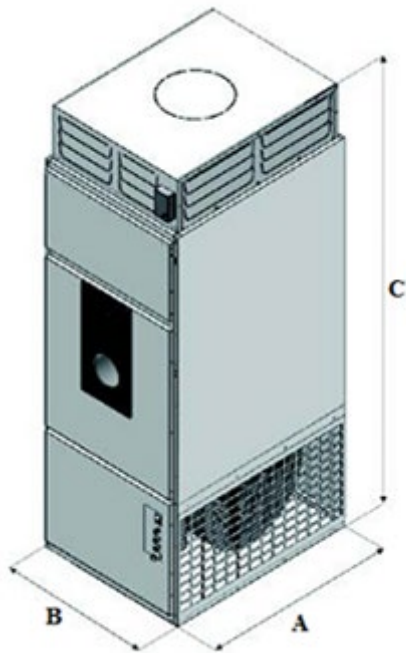
CE

Complying with
EMC 89/336/EC
LV/73/23/EC

Citerm Heating Systems d.o.o.
Miroslava Jovanovića 17
11160 Belgrade
Phone/Fax: +381113435330
GSM: +381641424414
Internet: www.citerm.com
e-mail: milan.c@eunet.rs
citerm.serbia@gmail.com

Citerm Hot Air Generators

CITERM warm air heaters can be adapted to all possible requirements: The right quantity of warm air from 40 kw e.g. for garages up, to 300 kw for large halls. Without long heat up periods, the units ensure immediate heat in the following applications, to suit all size of buildings: Factories and production halls, Workshops and garages, Sport facilities, Greenhouses.



CITERM warm air heaters are instantly ready for use. The warm air is instantly emitted into the required area, as opposed to an indirect heating system that utilizes steam or water, which often has long start up periods.

Fan group includes one or more Soler & Palau centrifugal double intake fans, statically and dynamically balanced. Electric equipment - for automatic or manual fan control and for emergency stopping of the burner in case of air overheating. Inclusive of electric switchboard and Honeywell FAN-LIMIT double thermostat. High efficiency heat exchanger

Combustion chamber made of AISI 310 heat resistant stainless steel, cylindrical, perfectly cooled in all of its points.

Exchange elements with AISI 430 18% chromium stainless steel plate exhaust flues.

Exhaust manifold front and rear, stainless steel, with wide inspection doors for rational and easy cleaning.

Technical Data

Model		T-40	T-55	T-80	T-120	T-170	T-230	T-300
Nominal heating capacity input(burned)	kw	46,8	61,8	90	136,9	190	258	336
	kcal/h	40.300	53.276	77.586	118.081	163.400	222.600	290
USEFUL heating capacity output	kw	42,2	55,7	81,1	123,4	168,2	230,3	300
	kcal/h	36.300	48.017	69.914	106.379	144.600	198.100	258,200
Nominal air flow	m ³ /h	2900	2900	4500	7.900	12.400	15.800	23.700
Electric power	kw	0,245	0,245	0.373	1,1 triphase	1,5 triphase	2,2 triphase	3,3 triphase
Dimension A	mm	750	810	810	1010	1140	1200	1750
Dimension B	mm	460	610	610	610	810	910	910
Dimension C	mm	1600	1950	1950	1950	1950	2350	2350
Chimney ø	mm	115	154	154	154	204	204	204

Citerm Multifuel Burners

CITERM burners are designed to burn: Vegetable oils, used crankcase oils, transmission & hydraulic oils, Extra light fuel oil, light and medium heavy fuel oil, other combustible liquids...

The patented technology allows the burning of waste oils regardless of viscosity or flash point. The preheater heats the oil to a temperature where all oils reach the same viscosity. The oil is sprayed by compressed air at a relatively low pressure. This allows the use of larger nozzles which do not get blocked even if soiled or semi fluid oils are used.

What is necessary to operate waste oil burner?

- Boiler or hot air generator
- Compressed air (any pressure between 2 - 15 bar)
- Fuel tank
- Electrical power: 230~V; 1280W; (6 Amp.)

Technical Data

Technical data		JUNIOR	JUNIOR	JUNIOR	G1p	G2p	G2p+	G3p	G3p+	G4p+
Heat output	Kw	25-35	35-65	50-85	25-85	60-120	60-150	130-201	130-250	170-300
Fuel consumption	Kg/h	2,4-3,4	2,9-5,3	4,2-6,3	2,4-6,3	5,8-10,7	5,8-14,5	12,5-19,2	12,5-23,5	15-27
Motor data	V	230	230	230	230		230	230	230	230
	W	66	66	66	180		180	180	180	180
	A	0,52	0,52	0,52	1,2		1,2	1,2	1,2	1,2
Power cartridge heater	W	600			1000			1300		1300
Power supply	V	230				230			230	230
	W	1000				1200			1500	1600
	A	5				6			7	7
Rotation	Rpm	2800				2800			2800	2800
Weight	Kg	12			17,5	19	19,5	21	22	25
Primary air consumption	m³/h	3,1	3,4	3,9	3,5	7	9	11	14	20
Nozzles		30609-11	DA-2	30609-49	1×DA-2	2xDA-2	2×DA-2	3×DA-2	3×30609-49	4x30609-49