

Series

agriTERM

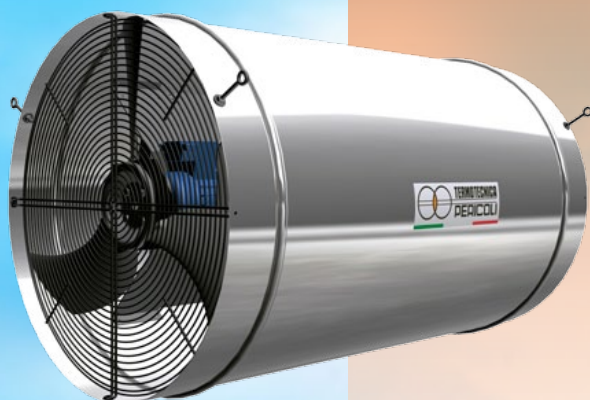
easyTERM

combiTERM

f-OTB

Heating

HEATING EQUIPMENT FOR AGRICULTURAL AND INDUSTRIAL APPLICATIONS



agriTERM



easyTERM



combiTERM

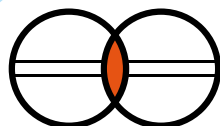


f-OTB

**DETAILS MAKE
THE DIFFERENCE**



Quality
products



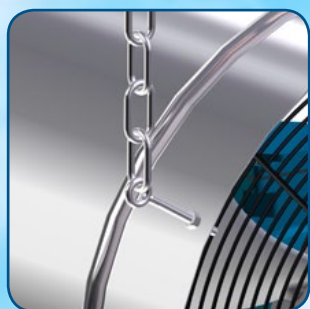
**TERMOTECNICA[®]
PERICOLI**

DIRECT GAS-FIRED AIR HEATER



**EASY TO OPERATE
INSTANT HEATING
EASY INSTALLATION**

agriTERM are all equipped with suspension hooks for easy installation



All **agriTERM** are entirely made of stainless steel for maximum corrosion resistance

The direct flame of **agriTERM** guarantees maximum efficiency



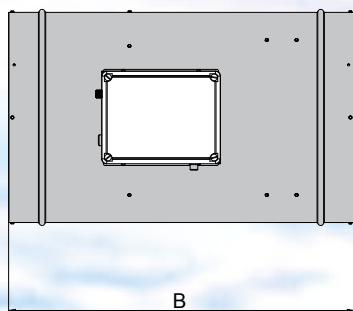
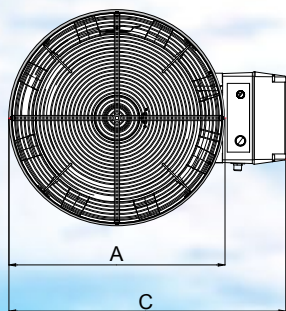
The gas-fired air heater **agriTERM** produces low emissions of Nox and CO in the atmosphere

Air heaters **agriTERM** can run both on LPG or methane



IP55 protection grade of control box

agriTERM can be quickly connected to the control system thanks to the standard thermostatic socket



Model	agriTERM 16	agriTERM 45	agriTERM 80	agriTERM 100
A [mm]	360	450	560	560
B [mm]	800	800	930	930
C [mm]	520	630	750	750
Weight [kg]	15	17	25	27

agriTERM Technical characteristics

Model			agriTERM 16	agriTERM 45	agriTERM 80	agriTERM 100
Thermic power		[kW]	16	45	74	100
		[kcal/h]	13760	38700	63640	86000
Air displacement		[m3/h]	1000	2000	5000	7000
		[cfm]	1700	3400	8500	11900
Consumption at 1013 mbar/ 15°C	LPG	[kg/h]	1,14	3,188	5,07	7,24
	Methane	[m3/h]	1,706	4,768	6,67	9,53
Gas pressure	LPG	[mbar]	30 (G30)	30 (G30)	30 (G30)	30 (G30)
			37 (G31)	37 (G31)	37 (G31)	37 (G31)
	Methane		20 (G20)	20 (G20)	20 (G20)	20 (G20)
Emissions in the atmosphere	Nox min-max	[ppm]	4 - 6	4 - 6	4 - 6	4 - 6
	CO min-max	[ppm]	1 - 4	2 - 6	2 - 8	2 - 8
Power supply	Voltage	[V]	230 / 1~	230 / 1~	230 / 1~	230 / 1~
	Frequency*	[Hz]	50	50	50	50
Electrical power		[W]	90	90	180	370
Noise level at 1 m		[dBA]	73	71	71	71

Notes:
 *60 Hz version available upon request.
 The country of destination is to be specified for each order.
 The standard air heater is preset for methane consumption. In case of LPG consumption it is necessary to use the LPG kit (supplied in the same box).

agriTERM Loading possibilities

Loading possibilities of agriTERM		Loading possibilities of agriTERM on pallet								
Model	16 / 45 / 80 / 100	Model	16		45		80 / 100			
Container 20ft	44	LxWxH - mm	1200x800 x1000	1200x800 x1800	1200x800 x1000	1200x800 x1850	1200x800 x1150	1200x800 x1150	1200x800 x1800	1200x800 x1850
Container 40ft	100	Pieces - N°	2	4	2	4	1	2	3	4
Truck	112	Gross weight - kg	45	83	50	90	44	73	102	131

GAS-FIRED AIR HEATER FOR AGRICULTURAL AND INDUSTRIAL APPLICATIONS



THE RIGHT INVESTMENT FOR ITS EFFICIENCY AND LOW OPERATING COSTS

Low emissions, compact structure and easy installation



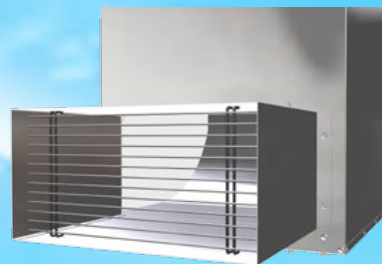
Tested and proven control and safety systems

High energy efficiency, low maintenance and operating costs



The centrifugal propeller guarantees a high air displacement and throw

The insulated wallhousing prevents problems due to condensation, heat dispersion and injuries in case of accidental contact

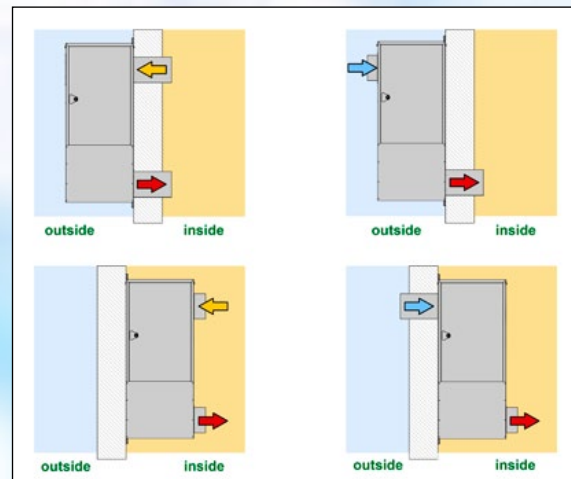
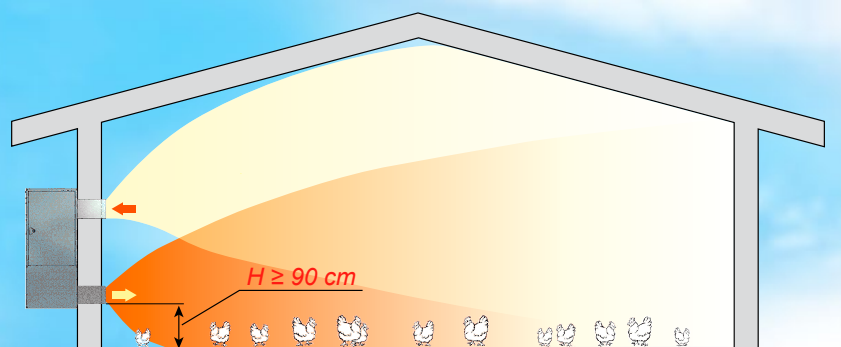


Different air inlet and outlet configurations, wallhousing with a special newly developed treatment for a longer lifetime in corrosive environments

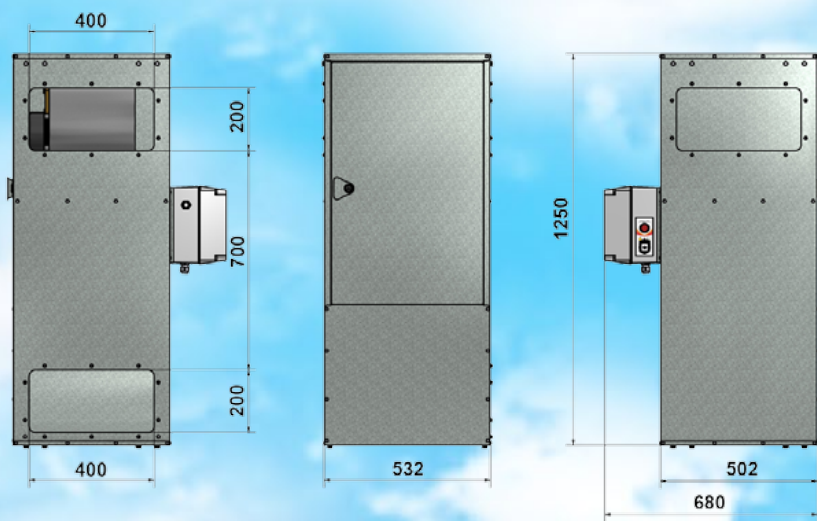
The air heater **easyTERM** has been developed for big structures. The double-wall housing in galvanised steel treated with zinc-magnesium guarantees high corrosion resistance and better protection of the surfaces located in very aggressive environments.

Therefore it can be installed either inside or outside the building. The installation is quick and the maintenance is easy: the inside of the machine can be conveniently inspected by opening a small door.

The machine can be activated manually or by a thermostatic socket controlled by a thermostat or by an integrated control system.



Dimensions and technical characteristics



Notes:

*60 Hz version available upon request.
The country of destination is to be specified for each order.
The standard air heater is preset for methane consumption. In case of LPG consumption it is necessary to use the LPG kit (supplied in the same box).

TECHNICAL CHARACTERISTICS

Thermic power		kW	70
		kCal/h	60.200
Air displacement		m³/h	4.000
		cfm	2.353
Gas consumption at 1013 mbar/15°C	LPG	kg/h	5,07
	Methane	m³/h	6,67
GAS pressure	LPG G30	mbar	30
	LPG G31	mbar	37
	Methane G20	mbar	20
Emissions in the atmosphere	NOx (min-max)	ppm	4-6
	CO (min-max)	ppm	2-8
Power supply	Monophase		230V 50 Hz*
Electrical power		W	370
Weight		kg	64

Loading possibilities

Loading possibilities of easyTERM

Container 20ft	23
Container 40ft	46
Truck	56

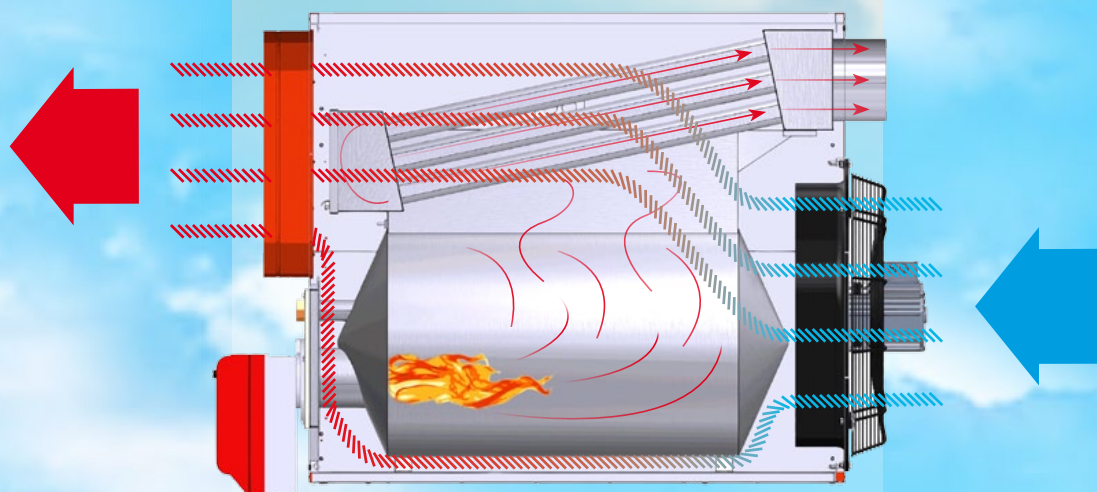
Loading possibilities of agriTERM on pallet

Model	Type A	Type B
LxWxH - mm	600x800x1420	1200x800x1420
Pieces - N°	1	2
Gross weight - kg	80	150

INDIRECT AIR HEATER



**MANY POSSIBLE CONFIGURATIONS
ACCORDING TO YOUR SPECIFIC NEEDS
BOTH OIL AND GAS VERSIONS AVAILABLE**



The series **combiTERM** represents a new generation of indirect air heaters, with the main characteristic of application versatility. The unique stainless steel combustion chamber guarantees an efficient heat exchange between the smoke and the clean air released in the surrounding environment. The wallhousing can be accessorized with practical removable and replaceable elements, which allow the heater to be transformed from the suspended version to the wheeled or standing one; different air outlets are also available. Easy handling, transport and installation are assured by the high quality, the state-of-the-art performance and the innovative design of the wallhousing and of the accessories.

combiTERM C

Version with centrifugal fan
Recommended when
canalization of the hot air
released from the machine is
needed

combiTERM EVO

Version with high
efficiency axial fan
Recommended for installation
not requiring air canalization
Reduced electrical consumption
compared to "combiTERM E"
version

combiTERM E

Version with axial fan
Available for
extra-EU countries

Air outlet options

PHE

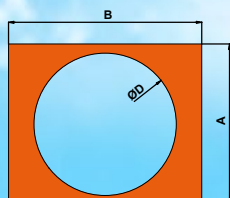
Round hot air outlet both
for direct air diffusion
and canalization

**DHD**

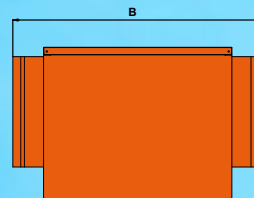
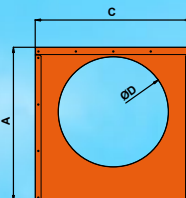
Directable diffuser

**TEE**

Frontal "T"
double outlet



PHE	A	B	C	D	Weight (Kg)
35	385	512	110	340	2
60	450	572	110	395	3
100	559	672	130	495	4
140	629	760	130	595	5.5
190	730	862	130	695	7
240	770	992	130	695	8



TEE	A	B	C	D	Weight (Kg)
35	449	732	385	340	12.5
60	449	792	450	340	15
100	549	892	559	395	20
140	549	980	629	395	24
190	649	1122	730	495	32
240	649	1252	770	495	37

**SHK**

Practical hooks
for suspended
installation

**combiTERM - HOR**

Upside down version of
the air heater
Available for axial,
centrifugal and
EVO version

KST

Standing kit for
installation on
the floor

**WSK**

Wheels for mobile
installation



Optional accessories

TM1

Stainless steel chimney pipe,
1 mt length

**CAP**

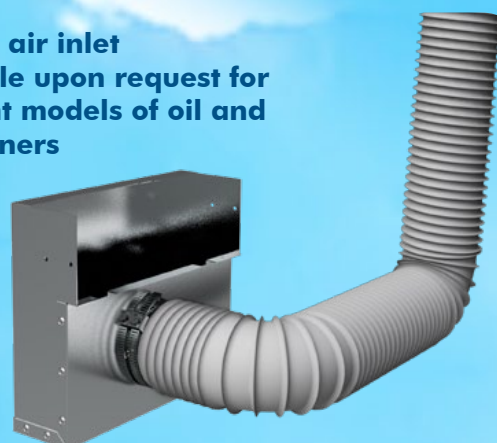
Stainless
steel cap
for chimney
pipe

RPE

Double stage pressure
regulator for LPG gas.
Pin = 0,53 – 1,95 bar
Pout = 30 – 35 mbar
Flow rate up to 20 kg/h

**OAI**

Outside air inlet
Available upon request for
different models of oil and
gas burners

**C90**

Stainless steel
elbow 90°

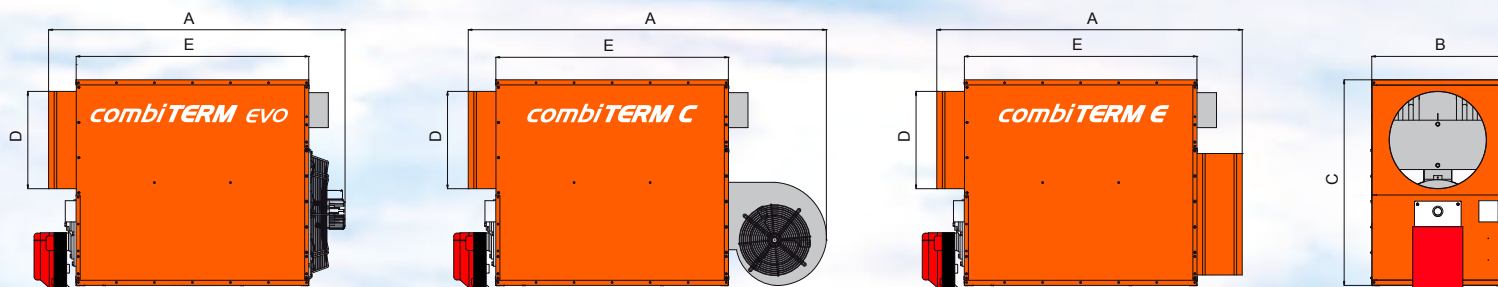
CON

Galvanised steel roof plate
for fixing the chimney pipe
to the wall or the roof of
the building

**RIT**

Stainless steel "T" union with
inspection cover





Model		60	100	140	190	35	60	100	140	190	240	35	60	100	140	190
Propeller		EVO				Centrifugal						Axial				
Length (A)	mm	1'338	1'570	1'728	1'790	1'383	1'658	1'884	2'095	2'295	2'444	1'183	1'393	1'616	1'840	1'960
Width (B)	mm	572	672	760	862	512	572	672	760	862	992	512	572	672	760	862
Height (C)	mm	916	1'046	1'136	1'290	764	916	1'046	1'136	1'290	1'362	764	916	1'046	1'136	1'290
Diameter PHE (D)	mm	395	495	595	695	340	395	495	595	695	695	340	395	495	595	695
Base (E)	mm	966	1184	1297	1377	767	966	1184	1297	1377	1507	767	966	1184	1297	1377
Weight	Kg	128,5	201,5	235,5	288,5	103,5	147,5	225,5	260,5	323,5	385,5	94,5	128,5	201,5	235,5	288,5

combiTERM Technical characteristics

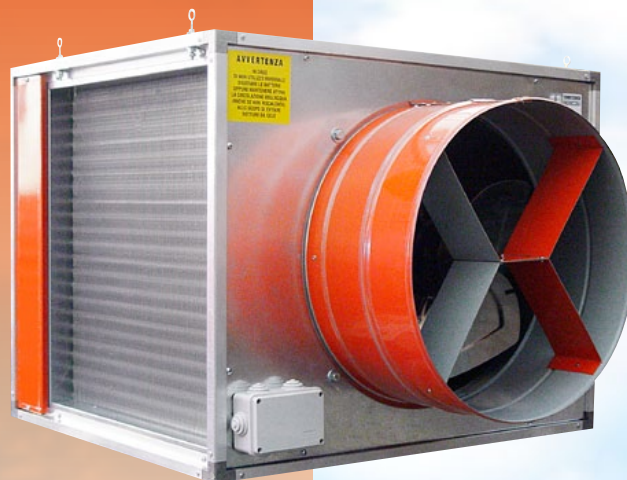
Model		60	100	140	190	35	60	100	140	190	240	35	60	100	140	190
Propeller		EVO				Centrifugal						Axial				
Thermic power	Kcal/h kW	52'071 60,5	82'701 96,2	124'562 144,8	166'423 193,5	30'630 35,6	52'071 60,5	82'701 96,2	124'562 144,8	166'423 193,5	206'242 239,8	30'630 35,6	52'071 60,5	82'701 96,2	124'562 144,8	166'423 193,5
Thermic yield	%	90,3	91,5	90,2	90,1	90,2	90,3	91,5	90,2	90,1	90	90,2	90,3	91,5	90,2	90,1
Oil consumption	Kg/h	5,1	8,1	12,2	16,3	3	5,1	8,1	12,2	16,3	20,2	3	5,1	8,1	12,2	16,3
Methane G20 consumption	m³/h	6,4	10,2	15,3	20,5	3,8	6,4	10,2	15,3	20,5	25,4	3,8	6,4	10,2	15,3	20,5
G30 consumption	Kg/h	4,8	7,6	11,4	15,3	2,8	4,8	7,6	11,4	15,3	18,9	2,8	4,8	7,6	11,4	15,3
G31 consumption	Kg/h	4,7	7,5	11,3	15	2,8	4,7	7,5	11,3	15	18,6	2,8	4,7	7,5	11,3	15
Nom. fan motor power	kW	0,37	1,1	1,5	1,5	0,2	1,3	1,5	2,2	3	4	0,37	0,55	0,75	1,5	2,2
Propeller	mm	Ø 460	Ø 560	Ø 630	Ø 650	10/10	12/9	12/12	15/15	18/13	18/18	Ø 400	Ø 460	Ø 510	Ø 610	Ø 650
Available air displacement (with accessory PHE)	m³/h	3'150	5'400	10'300	11'300	2'600	5'100	7'000	12'300	14'200	18'500	2'800	3'500	5'600	10'300	11'500
Available static pressure	Pa	10	20	50	10	130	200	210	210	210	230	50	50	60	60	70
Thermal gradient	°C	39	45	37	40	36,1	29,9	32,1	35,3	37,9	36,8	30,8	32	32,3	38,6	38,3
Voltage	V	230 1~N ±	230/400 3~N ±	230/400 3~N ±	230/400 3~N ±	230 1~N ±	230/400 3~N ±	230/400 3~N ±	230/400 3~N ±	230/400 3~N ±	230/400 3~N ±	230 1~N ±	230/400 3~N ±	230/400 3~N ±	230/400 3~N ±	230/400 3~N ±
Frequency	Hz	50	50	50	50	50 60	50 60	50 60	50 60	50 60	50 60	50 60	50 60	50 60	50 60	50 60
Protection grade	IP	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Chimney diameter	mm	150	180	200	250	150	150	180	200	250	250	150	150	180	200	250
Noise level at 7 m	db (A)	66	68	70	76	52	63	65	65	70	72	63	67	68	70	76
Range of application	°C	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50	-20 +50

Note:
The country of destination is to be specified for each order.

combiTERM Loading possibilities

Model		60	100	140	190	35	60	100	140	190	240	35	60	100	140	190
Propeller		EVO				Centrifugal						Axial				
Container 20ft		14	20	15	6	28	24	16	12	6	5	36	14	20	15	6
Container 40ft		58	42	30	13	64	48	34	27	13	12	76	58	42	30	13
Truck		37	28	22	15	48	33	22	19	15	13	52	37	28	22	15

DIRECT DRIVEN JET FAN WITH HOT WATER RADIATORS



CONSTANT TEMPERATURE AND HUMIDITY LEVEL



F-OTB characterized by a sturdy steel wallhousing with two water/air heat exchangers and axial electric fan for air diffusion

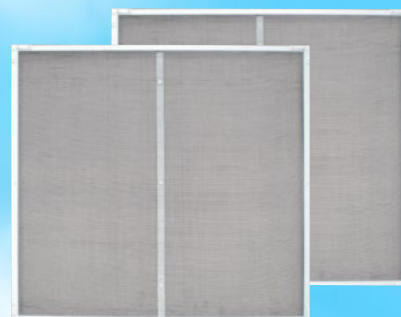


Battery in copper/aluminium for a higher efficiency and longer lifetime



This machine has been specially developed to solve heating, ventilation, air circulation and humidity problems in agricultural and industrial environments, where it is important to maintain these conditions constant

Four different models available to satisfy all possible installation needs



FIZ impurity filter pair (optional)



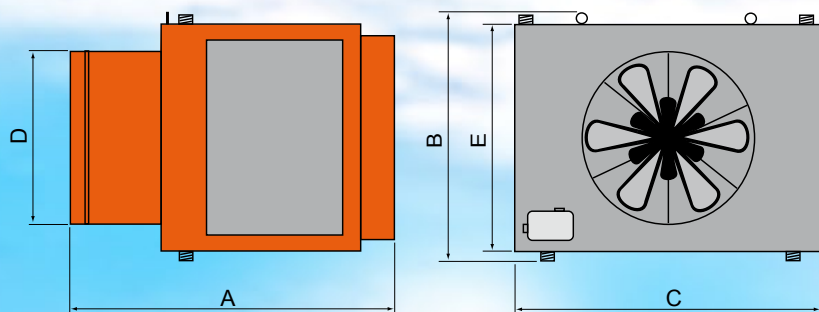
F-OTB is equipped with four suspension hooks for suspended installation of the machine

F-OTB Operating principle

The machine has been developed to transfer the heat, produced by an outside unit, to the air passing through the special copper/aluminium exchanger.

The fan can efficiently distribute the hot air in the surrounding space both directly and through canalization.

F-OTB Dimensions



Model	550-2	550-3	600-3	700-3
A [mm]	1.075	1.075	1.180	1.320
B [mm]	725	725	775	870
C [mm]	655	655	705	800
D [mm]	480	480	530	650
E [mm]	655	655	705	800
Weight [kg]	66	68	72	83

F-OTB Technical characteristic

Model		550-2	550-3	600-3	700-3
Thermic power	Kcal/kW	45.000 / 52	60.000 / 69	80.000 / 93	100.000 / 116
Pressure drop through radiators	m/H ₂ O	0,25	0,86	1,16	1,25
Water flow rate	(l/h)	4.500	6.000	8.000	9.930
Radiators per fan	n.	2	2	2	2
Coils per radiator	n.	2	3	3	3
Pipes per radiator	n.	11	11	12	14
Frontal radiator surface area	dm ²	30,25	30,25	36	49
Water pipe diameter	inch	1"1/4	1"1/4	1"1/4	1"1/2
Fan air displacement	m ³ /h	6.000	6.000	8.000	10.000
Fan revolution	rpm	1.380	1.380	1.380	900
Fan motor power	kW	0,4	0,4	0,7	0,57
Voltage - Frequency*	V	230/400 - 50	230/400 - 50	230/400 - 50	230/400 - 50
Length A	mm	1.075	1.075	1.180	1.320
Height B	mm	655	655	705	800
Width C	mm	655	655	705	800
Diameter D	mm	480	480	530	650
Weight	kg	66	68	72	83
Noise level at 5 m	db (A)	53	53	55	51

Notes:

*69 Hz version available upon request

All data in the above chart refer to the following conditions: water inlet temperature +75°C, water outlet temperature +65°C, air inlet temperature +15°C

F-OTB Loading possibilities

F-OTB loading possibilities		
Model	550 / 600	700
Container 20ft	20	16
Container 40ft	40	36
Truck	30	24

F-OTB loading possibilities on pallet				
Model	550 / 600		700	
LxWxH - mm	1100x1100x2000	900x850x1200	1200x1150x2100	1100x1050x1250
N° of pieces	2	1	2	1
Gross weight - kg	155	85	181	98

Optional accessories

HP11W

Electronic thermostat with digital display for accurate temperature control



AMDR-1

Mechanical thermostat, an economical solution for temperature control



RPE (not available for F-OTB)

Double stage pressure regulator for LP gas.

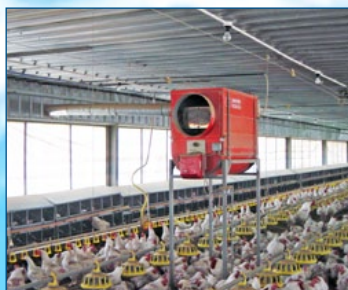
Pin = 0,53 – 1,95 bar

Pout = 30 – 35 mbar

Flow rate up to 20 kg/h



Many application possibilities



All indications in this catalogue are without engagement. In a constant effort to improve our products, specifications may change.



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