

Gas unit heaters with **atmospheric burner** for heating commercial and industrial premises.

Gas unit heaters M Series

- Robur gas unit heaters ensures reliable heating with **low heat stratification** (only 0.3 °C/m) thanks to the exclusive "Robur Ground Effect". Made out of a special aluminium die-cast alloy, Robur patented, it splits the air flow into different layers having different temperatures: lower temperature in the higher levels and vice versa higher temperature in the lower levels.
- Robur gas fired unit heaters are modular and independent: this means **heating only when and where needed**. With Robur units, within **30 minutes** even the largest spaces are warmed, as proven by tests, carried out at the Robur research and development center.
- In comparison to other heating systems, the reliable gas unit heater M Series ensures a high price/performance ratio.

Low heat stratification

30 minutes only for comfortable heating

Low thermal inertia = high heating efficiency



Robur gas unit heaters M Series

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More than 200.000 Robur gas unit heaters installed in Europe.
<http://www.robur.com/products/heaters-line/>

For info: <http://www.robur.com/products/heaters-line/m-and-m2v-series/description.html>

Applications

- Available in a wide range of outputs and versions to satisfy all needs:
 - **standard** with axial fan;
 - **designed for ducting applications**, with centrifugal fan;
 - **for outdoor installation** with no need for weather protection;
 - **M 2v**, with a 2 stage burner

are also equipped with a 2 speed fan, ideal for low noise level applications.

- M heaters are ideal for heating:
 - industrial premises and workshops;
 - exhibitions and show-rooms;
 - greenhouses and livestock facilities.



			M 20	M 25	M 30	M 35	M 40	M 50	M 60	M 20 2v	M 30 2v	M 60 2v
Nominal heat input		kW	20.6	28.8	34.8	42.2	48.2	57.3	72.5	20.6	34.8	72.5
Heat output	nominal	kW	18.3	25.5	30.7	37.4	42.5	50.7	63.8	18.3	30.7	63.8
	reduced	kW	-	-	-	-	-	-	-	12.8	21.1	42.0
Gas consumption	natural gas	m ³ /h	2.18	3.04	3.68	4.46	5.10	6.06	7.67	2.18	3.68	7.67
	LPG G30/G31	kg/h	1.62	2.27	2.74	3.32	3.80	4.52	5.72	1.62	2.74	5.72
Air flow rate ⁽²⁾	nominal	m ³ /h	1,700	2,350	3,000	3,400	3,750	4,700	6,200	1,700	3,000	6,200
	reduced	m ³ /h	-	-	-	-	-	-	-	1,300	2,300	4,600
Temperature rise		K	32.0	32.0	30.3	32.6	33.6	32.0	30.5	32.0	30.3	30.5
Gas connection		"M	1/2	1/2	1/2	1/2	3/4	3/4	3/4	1/2	1/2	3/4
Air inlet pipe diameter ⁽³⁾		mm	130									
Exhaust air pipe diameter ⁽³⁾		mm	110									
Electrical supply			230 V 1N - 50 Hz									
Installed wattage		W	340	340	340	340	400	620	620	340	340	620
Air throw ⁽⁴⁾		m	12	15	18	20	21	23	25	12	18	25
Recommended installation height		m	2.5	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	3/3.5	2.5	2.5/3	3/3.5
Operating temperature range ⁽⁵⁾		°C	0/35									
Sound pressure level at 6 m	in open field	dB(A)	41	43	44	44	45	45	47	41	44	47
	in typical installation	dB(A)	53	55	56	56	57	58	59	53	56	59
	in typical installation at reduced speed	dB(A)	-	-	-	-	-	-	-	44	47	49
Weight		kg	55	59	68	80	80	90	108	55	68	108

⁽¹⁾ At 15 °C - 1013 mbar.

⁽²⁾ At 20 °C - 1013 mbar.

⁽³⁾ Nominal diameter of rigid pipe to be inserted into specific cylindrical housing.

⁽⁴⁾ Values measured in free field; in actual installation heat flow may reach significantly greater distances than the value declared above (depending on height, installation environment and thermal insulation of the area covered).

⁽⁵⁾ Indoor temperature of the installation location. The unit's internal components have been tested from 0 °C to 60 °C.

Ducting and changing the air with an air-to-air system.
Choose the gas unit heaters M C series with centrifugal fan.

Gas unit heaters M C Series



- **Reliable operation** thanks to the use of simple components.
- Designed for **ducting applications**, thanks to the centrifugal fan inlet air mixing accessories.
- Available in 3 models, from 18.3 to 63.8 kW.

The great reliability of the M C heaters makes possible air-to-air heating for:

- medium-large areas where air renew is required;
- offices, changing rooms and other rooms where is required a ducted plant.

Designed for ducting applications

3 models ranging from 18.3 to 63.8 kW

Provided with accessories for air renew

		M 20C	M 30C	M 60C	
Nominal heat input		kW	20.6	34.8	72.5
Nominal heat output		kW	18.3	30.7	63.8
Gas consumption ⁽¹⁾	natural gas	m ³ /h	2.18	3.68	7.67
	LPG G30/G31	kg/h	1.62	2.72	5.72
Air flow rate ⁽²⁾	with free outlet	m ³ /h	2,900	4,300	7,600
	at maximum admissible pressure drop	m ³ /h	1,600	3,100	5,800
Temperature rise	with free outlet	K	19	21	24.5
	at maximum admissible pressure drop	K	34	29	32
Available pressure head		Pa		110	
Gas connection		"M	1/2	1/2	3/4
Air inlet pipe diameter ⁽³⁾		mm		130	
Exhaust air pipe diameter ⁽³⁾		mm		110	
Electrical supply			230 V 1N - 50 Hz		
Installed wattage		W	600	620	920
Operating temperature range ⁽⁴⁾		°C	0/35		
Weight		kg	66	82	133

⁽¹⁾ At 15 °C - 1013 mbar.

⁽²⁾ At 20 °C - 1013 mbar.

⁽³⁾ Nominal diameter of rigid pipe to be inserted into specific cylindrical housing.

⁽⁴⁾ Indoor temperature of the installation location. The unit's internal components have been tested from 0 °C to 60 °C.

⁽⁵⁾ External diameter.

Robur gas unit heaters M C Series

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To satisfy all norm requirements.
Gas fired unit heaters for outdoor installation,
with atmospheric burner.

Gas unit heaters M xt Series



- **Ideal in case of norm constraints:** heating with direct exchange where indoor installation of gas appliances is not permitted by norm.
- External installation of the appliance allows whole or partial **air renew**.
- **Optimal use of internal space:** outdoor installation avoids use

of internal space and allows for inlet air ducting.

Applications

- Premises that need for a constant ventilation (specific processes, public rooms etc.).
- where indoor installation is not permitted by norm (places of public entertainment or rooms where flames may form), such

as repair shops, painting shops and joiner's shops.

In case of norm constraints

For comfortable air renew

		M 40xt	M 50xt	M 60xt	
Nominal heat input		kW	48.2	57.3	72.5
Nominal heat output		kW	42.5	50.7	63.8
Nominal gas consumption ⁽¹⁾	natural gas	m ³ /h	5.10	6.06	7.67
	LPG G30/G31	kg/h	3.80	4.52	5.72
Air flow ⁽²⁾	nominal	m ³ /h	4,200	5,200	7,800
	at maximum available pressure head	m ³ /h	2,710	3,350	4,800
	reduced with unobstructed intake	m ³ /h	2,940	3,640	5,460
Maximum available pressure head		Pa	70	80	80
Temperature rise	nominal	K	28.4	27.3	23.0
	at maximum available pressure head	K	46.5	45	39.4
Gas connection		"M	1/2	3/4	3/4
Air inlet pipe diameter ⁽³⁾		mm	130		
Exhaust air pipe diameter ⁽³⁾		mm	110		
Electrical supply			230 V 1N - 50 Hz		
Installed wattage		W	400	640	900
Operating temperature range ⁽⁴⁾		°C	-15/35		
Weight		kg	98	110	130

⁽¹⁾ At 15 °C - 1013 mbar.

⁽²⁾ At 20 °C - 1013 mbar.

⁽³⁾ Nominal diameter of rigid pipe to be inserted into specific cylindrical housing.

⁽⁴⁾ Indoor temperature of the installation location. The unit's internal components have been tested from -15 °C to 60 °C.

Due to continuous product innovation and development, Robur reserves the right to change product specification without prior notice.

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