

# ouh

**Oil unit heaters** – a compact range of suspended units for factory and warehouse applications



ouh units are indirect oil fired suspended air heaters with stainless steel heat exchangers as standard and a downwards firing pressure jet oil burner. The range has been designed for use in factory or warehouse premises where oil firing is a requirement and floor space is at a premium.



- Indirect fired
- Compact oil unit heater
- 35 sec – 28 sec oil optional
- Stainless steel heat exchanger
- Axial or centrifugal fan
- White paint finish (RAL 9003).  
Other BS/RAL colours to special order.

### Construction

Each unit comprises a stainless steel heat exchanger contained within a heavy gauge panelled case. The pressure jet oil fired burner is mounted on top of the heat exchanger and fires downwards into it. Mounted on the rear of the unit is either an axial fan or a centrifugal fan as required. Four top suspension points are provided and the units may also be base mounted on a suitable framework if desired.

### Range

Four sizes are provided in the ouh range giving heat outputs of 20kW, 30kW, 45kW and 60kW.

Each unit is available either as a freeblowing 'F' unit fitted with an axial fan, or suitable for use as a ducted 'C' unit when fitted with a centrifugal fan.

Single phase or three phase electrical supply optional.

### Noise levels

Noise levels in the range of 61dB(A) to 67dB(A) are commensurate with commercial heating equipment and should not be obtrusive in normal applications.

### Performance data

Model	Output rating	Output rating	Oil rate	Air flow volume	Max. duct resistance	ph	Fan motor			Weight
		kW	l/h	m <sup>3</sup> /s	Pa		kW	Start A	Run A	
ouh 20	F	20	2.27	0.5758	N/A	1	0.10	1.45	0.82	62
	C	20	2.27	0.5758	150	1	0.335	3.75	2.6	69
ouh 30	F	30	3.41	0.6847	N/A	1	0.10	1.50	0.86	126
	C	30	3.41	0.6847	187	1	0.75	15.00	7.00	142
ouh 45	F	45	5.19	1.081	N/A	1	0.37	6.10	2.00	126
	C	45	5.19	1.081	100	1	0.75	15.00	7.00	142
ouh 60	F	60	7.00	1.4072	N/A	1	0.37	6.00	2.60	126
	C	60	7.00	1.4072	50	1	0.75	15.00	7.00	142

### Notes

1. Electrical supply required = 230 volt
2. Oil rates for 35 sec. oil with net CV of 36.28 MJ/l

### Dimensional data – see diagrams opposite

Model		A	B	C	D	E	F	G	H	K	L
ouh 20	F	610	555	210	745	100	435	115	555	408	255
	C	610	555	210	1085	100	435	115	555	408	342
ouh 30/45/60	F	847	780	255	1030	125	490	210	500	640	420
	C	847	780	255	1468	125	490	210	500	640	420

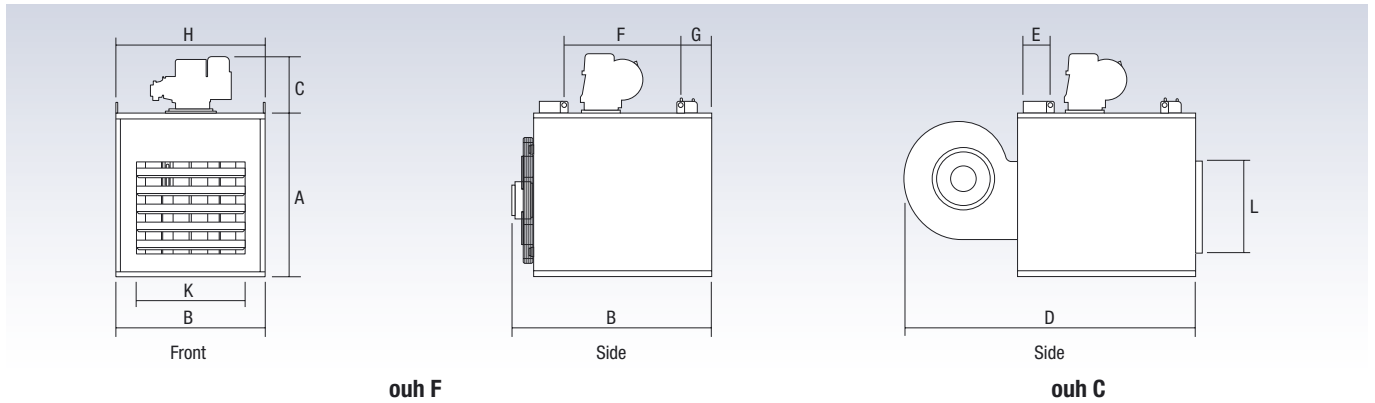


### Accessories/options

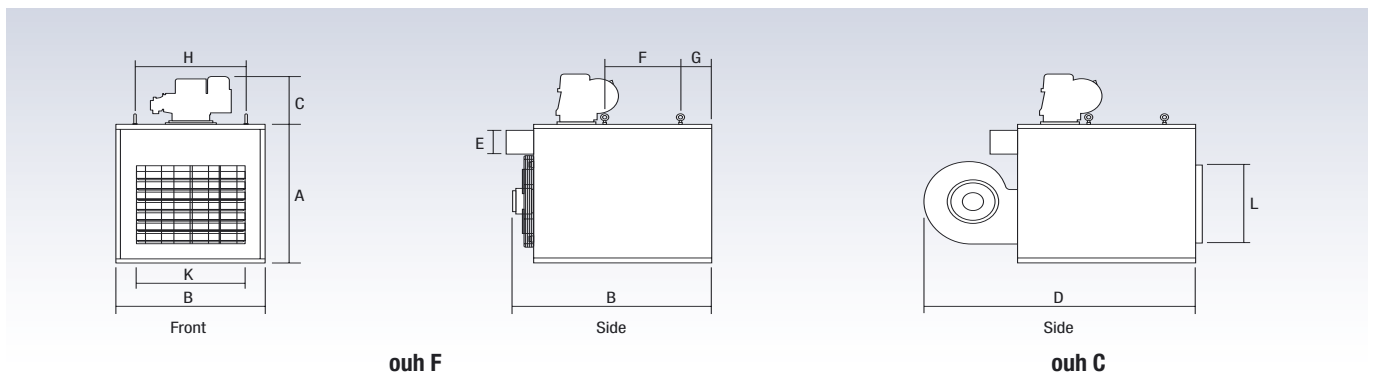
1. Duct inlet box which can be fitted with sound insulation to act as an inlet silencer for use with 'C' models.
2. Inline inlet filter box for use with "C" models.
3. powtrol controller.
4. mc100 electronic controller.
5. Special control arrangements to suit customers own requirements and central control panels designed and manufactured for multiple heater installations.

# ouh oil unit heaters

## ouh 20 model

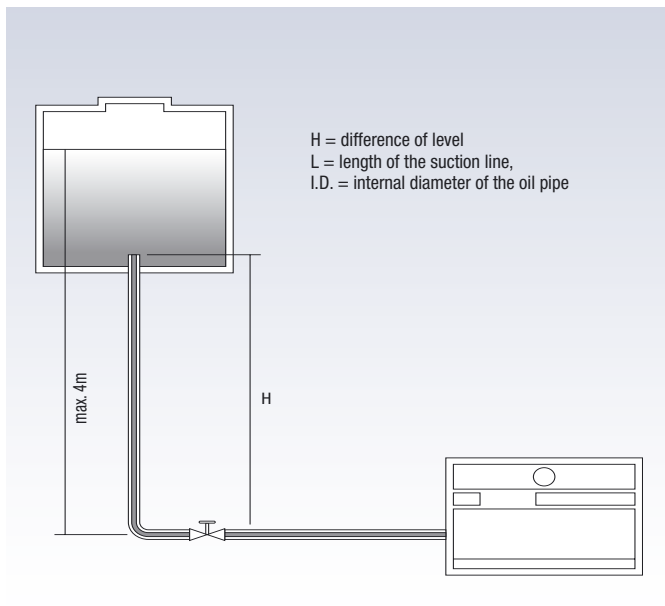


## ouh 30-60 models



## Oil supply data

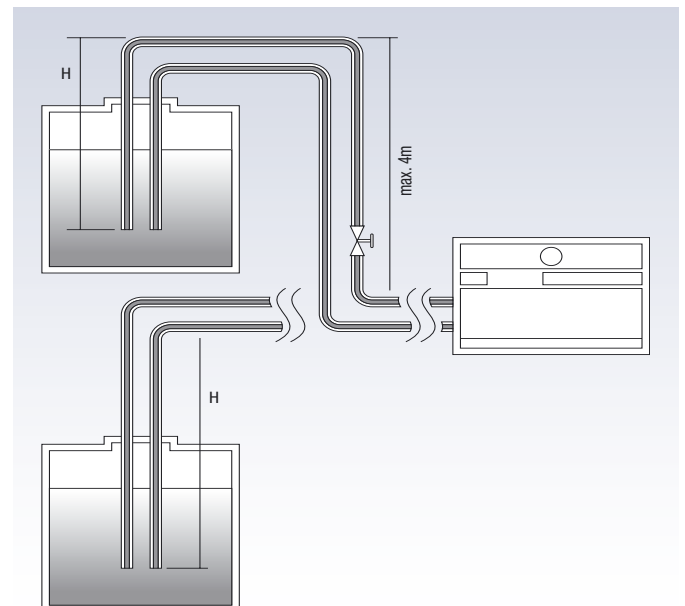
### Single pipe, gravity feed system



H metres	L metres	
	I.D. 8mm m	I.D. 10mm m
0.5	10	20
1.0	20	40
1.5	40	80
2.0	60	100

H = difference of level, L = length of the suction line, I.D. = internal diameter of the oil pip

### Two pipe system



H metres	L metres	
	I.D. 8mm m	I.D. 10mm m
0	35	100
0.5	30	100
1.0	25	100
1.5	20	90
2.0	15	70
3.0	8	30
3.5	6	20

Whatever your heating and ventilation requirements, powrmatic can provide a total solution from a single source.

Our experienced sales engineers provide expert advice on all aspects of design and application, with after sales service and spares availability guaranteed by our network of regional service engineers and spares stockists strategically located throughout the UK.

powrmatic offers customers the most comprehensive range of heating and ventilation solutions available in Europe. Whatever your requirements, powrmatic has the capability to provide a total solution from a single source with products proven in some of the world's most prestigious and demanding applications.

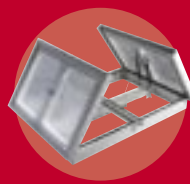
**pgv**

Glass louvred ventilator. Both functional and attractive. Specifically designed for modern building requirements.



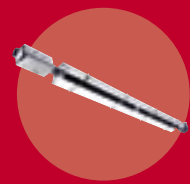
**tfv**

Twin flap natural ventilator. Suitable for smoke venting & featuring very low air leakage when closed.



**prt**

Direct heat and warmth for localised heating in a range of applications.



**Cabinet heaters**

Indirect gas or oil fired floor standing air heaters for multiple use.



**pv**

Powered roof extract. Heavy duty high performance unit.



**bsl**

Fixed solar shading system, providing attractive yet low cost solutions to reducing heat gains.



**Gas unit heaters**

A quality range of suspended gas fired unit heaters.



**Flue & chimney**

Flue systems for domestic, commercial and industrial applications.



**cec**

Heat-recovering thermal economiser providing excellent heat distribution for high-roofed buildings.



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