

# Kongskilde Heaters



Efficient solutions for heating of air

# Direct Oil Heaters



K 20 C

The Kongskilde range of direct fired heaters are designed specifically for use in ventilated areas. Their design, using the latest technology, ensures total reliability.

All models are fitted with large transport wheels for easy movement.

There are two types of direct fired heaters in the Kongskilde range; models K C and KA.

The K C heaters are low pressure units which provide instant heat when switched on. These units are 100% efficient and can run on diesel or paraffin. As well as having an overheat thermostat the flame is also monitored by a photo-cell which provides additional security within the unit.



KA 230

Type KA is fully automatic and can be controlled by a thermostat, if required. The flame control is monitored by a photo cell and the heater has an automatic after cooling cycle of the combustion chamber. This provides additional security.

The heaters are supplied with an integrated burner with high pressure fuel atomization. The heater can, if necessary be connected to a bulk storage tank.

Model		K 20 C	K 30 C	K 40 C	KA 20	KA 230	KA 400
Max heat output	Kcal/h	20,000	24,100	37,000	21,500	56,739	99,129
	kW	23.0	28.0	43.0	25.0	66.0	115.3
	BTU/h	80,000	96,400	148,000	86,000	225,200	393,000
Max. oil consumption	l/h	2.34	2.82	4.33	2.52	6.1	10.6
Airflow	m <sup>3</sup> /h	400	500	1,050	800	2,800	4,800
Tank capacity	Litres	21	30	46	38	51	100
Electrical supply		230V 50 Hz					
Electrical Consumption	Watt	230	280	380	440	460	800
Running current	Amp.	1.0	1.6	2.0	1.5	3	6
Weight w/o fuel	kg	26	31	37	40	65	101
Length	mm	830	860	930	1,200	1,405	1,680
Width	mm	430	485	560	560	620	690
Height	mm	465	530	615	770	750	898

# Indirect oil heaters - KM



KM 130XS

In cases where a high output of heat, a compact design, and a high level of security are required both for space heating and for crop drying, the high capacity KM heaters are the right choice.

The KM heaters are designed with an exhaust chimney connection. In addition, the efficient stainless steel heat exchanger guarantees a high efficiency and endurance in any operating conditions. As standard, the KM heaters are delivered with the well-known Riello burners.

For delivering warm air, the KM heaters are supplied with a high efficient axial-flow ventilator with a low noise level. This also makes the heaters able to ventilate with cold air in the warmer periods of the year.

The KM heaters are designed for automatic operation. When switching on the heater, the combined thermostat ensures that the warm air ventilator does not start until the combustion chamber is heated. When stopping the heater, the ventilator will run for a period to cool down the combustion chamber. As an extra safety, the KM heaters are mounted with an overheat thermostat. The output of the KM heaters can also be controlled by an external thermostat.

The KM heaters are designed for connection to an external fuel tank. There is no oil tank on the heater itself.

The KM heaters are mounted with a practical handle and wheels making the heaters easy to move.

Model		KM 100XS	KM 130XS	KM 160XT
Max heat output	Kcal/h	87,720	100,940	135,020
	kW	102	129	157
	BTU/h	347,616	439,632	595,056
Efficiency	%	90.8	90.5	89.8
Fan static pressure	Pa	20	40	30
Electrical power consumption	W	1,400	2,200	2,600
Fuel		Diesel oil		
Oil consumption	l/h	9.5	12	14.6
Airflow	m <sup>3</sup> /h	6,700	8,950	9,800
Heating of air	$\Delta T$ °C	48		
Current rating	Amp.	3.0	5.0	5.9
Power supply voltage		230V, 1 ph	230V, 1 ph	400V, 3 ph
Weight w/o fuel	kg	210	260	280
Length	mm	1,765	2,140	2,140
Width	mm	800	800	845
Height	mm	1,200	1,200	1,200

# Indirect oil heaters - KAI and KAI HC



KAI 25 C

The Kongskilde KAI 25 C indirect fired heater is designed especially to provide clean hot air via the heat exchanger whilst the fumes are discharged through the vertical flue.

The Kongskilde KAI 25 C is equipped with large transport wheels for easy transport.

KAI 25 C has a built-in compressor. Air is delivered under pressure to the nozzle, at the same time generating a symphonic action, which induces fuel from the fuel tank through the filter. The fuel and air are mixed at the nozzle.

The KAI HC heaters have an automatic aftercooling cycle of the combustion chamber.

To ensure a high level of safety the flame is monitored by a photo cell.

The indirect oil heater have an automatic aftercooling cycle of the combustion chamber.

Both diesel and kerosene fuel may be used.

The combustion chamber and heat exchanger are manufactured from stainless steel.

The both KAI and KAI HC heaters are designed for fully automatic operation and can be controlled by a thermostat.

Model		KAI 25 C	KAI 125 HC	KAI 180 HC	KAI 300 HC
Max. Heat output, brutto	Kcal/h kW	26 22,330	36.4 31,304	52.6 45,217	83.9 72,173
Max. Heat output, net	Kcal/h kW	21 17,865	31.7 27,266	45.8 39,384	74.3 68,873
Oil consumption	litre/h	2.6	3.35	4.84	7.72
Airflow	m <sup>3</sup> /h	800	2,000	2,500	4,500
Tank capacity	Litres	46	51	51	100
Electrical supply		230V - 50 Hz			
Electrical Consumption	Watt	300	460	460	800
Running current	Amp.	2.0	3.0	3.0	6.0
Weight w/o fuel	kg	43	70	76	121
Length	mm	930	1,188	1,405	1,680
Width	mm	560	620	620	690
Height	mm	625	790	790	938

# Electrical Heaters



S9

An electrical heater is the ideal solution when you require a clean, convenient to use heater.

The Kongskilde heaters are very quiet, easy to move and are odourless. Electrical heaters are also ideal for heating areas where the use of fuel or open fires is prohibited.

An electrical heater provides both a simple and efficient heat output suitable for many situations.

Model		S 2	S 3.3	S 5	S 9	S 15
Weight w/o fuel	Kcal/h	860 / 1,720	1,420 / 2,840	2,150 / 4,300	3,870 / 7,740	6,450 / 12,900
	kW	1 / 2	1.65 / 3.3	2.5 / 5	4.5 / 9	7.5 / 15
	BTU	3,440 / 6,880	5,680 / 11,360	8,600 / 17,200	15,480 / 30,960	25,800 / 51,600
Airflow	m <sup>3</sup> /h	300	400	400	1,300	1,300
Electrical supply		230V 50 Hz			3x400V 50 Hz	
Running current	Amp.	8.7	14.3	7.2	13	21.6
Weight	kg	5	7.5	8	13.5	15.5
Length	mm	230	250	250	350	350
Width	mm	200	250	250	380	440
Height	mm	330	420	420	600	600

# Gas Heaters



KGAI 25

The Kongskilde gas heaters burn propane gas which supplies clean hot air and is 100% heat efficient. For combustion the heaters need a supply of air but do not require a flue.

For safety, all Kongskilde gas heaters are supplied with automatic flame control, hose breakage valve and an overheat, safety thermostat. The heaters are easy to move and the heat output can be regulated via a pressure regulating valve.

A gas heater supplies maximum heat capacity for a small investment.

Kongskilde supplies two types of gas heaters:

The KGAI is especially designed for demanding environments.



KM 160 XTG

The KM 160 XTG

- Indirect gas heater exceeding 90% efficiency.
- Robust, heavy duty design.
- Handle for easy transportation.
- Support frame for forklift handling.
- Stainless steel combustion chamber.
- Different air outlet options.
- Perfect size to go through doors.
- Outdoor installation.

Model		KGAI 25	KM 160 XTG
Min./max. heat output	Kcal/h kW	10,682/26,814 12.5/31.2	124,700 145
Gas-consumption min./max.	Kg/h	0.98/2.46	15.3
Gas Pressure	bar	1.5	-
Airflow	m <sup>3</sup> /h	750	9800
Electrical Consumption	Watt	90	2600
Current Running	Amp.	0.72	8.1
Electrical Supply		230 V 50 Hz	400V 3hp
Weight	kg	12	280
Length	mm	530	2140
Width	mm	280	845
Height	mm	400	1270

# Kongskilde FAST



FAST 35

The Kongskilde FAST range of heaters is ideal for industrial units and workshops.

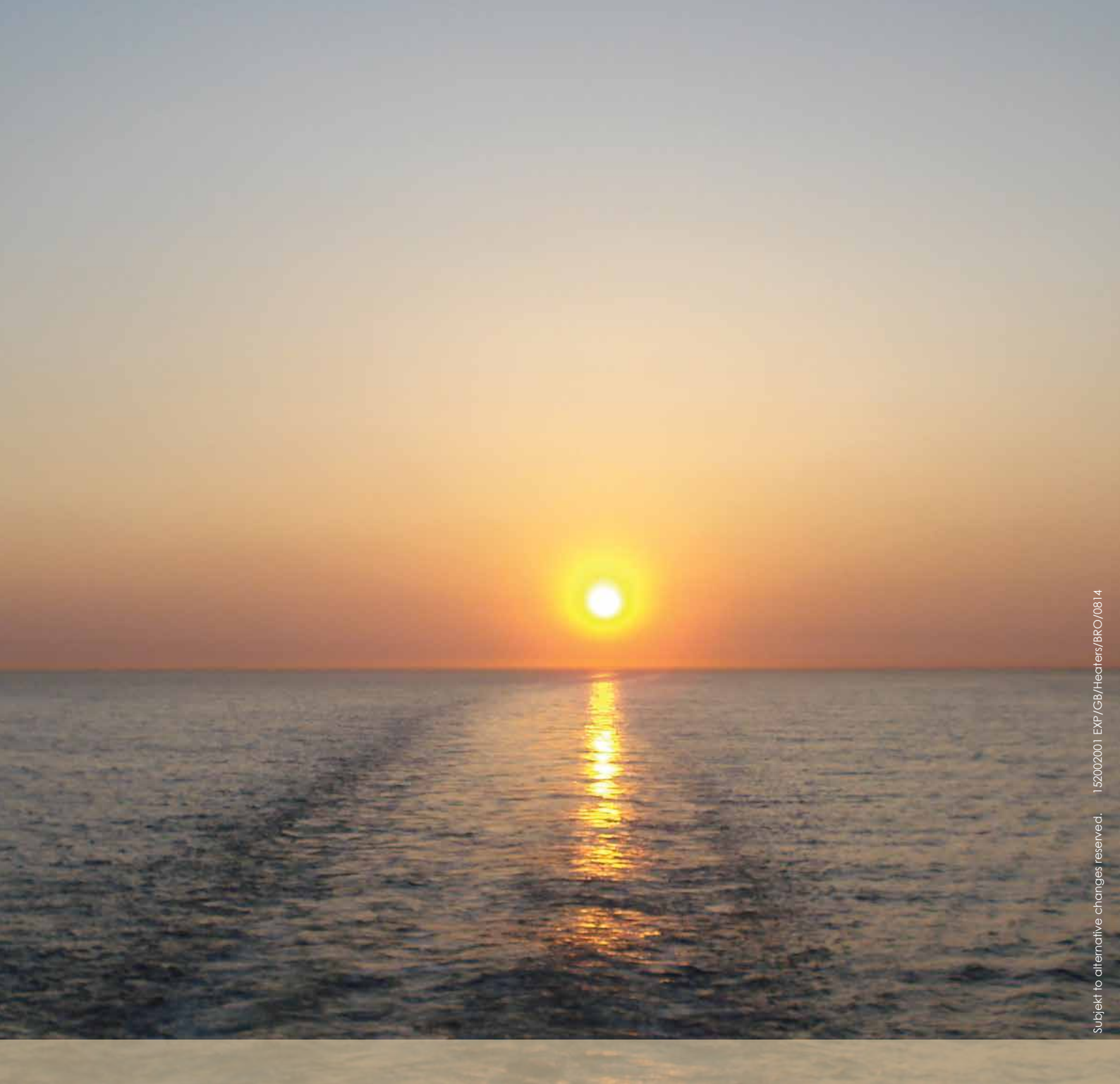
The FAST heater is controlled by a thermostat and is easy to operate.

The heater has an automatic oil burner with high pressure atomization and an integrated fuel tank. The combustion chamber is constructed from stainless steel, with a high chrome content, which is resistant to both corrosion and heat.

The heat exchanger is very efficient.

The FAST models distribute heat evenly through a four sided distributor. The heaters are supplied with a silent centrifugal ventilator.

Model		FAST 35	FAST 110
Max. heat output gross	Kcal/h	40,300	90,000
	kW	46.8	104.6
	BTU	161,200	360,000
Max. heat output net	Kcal/h	36,300	81,090
	kW	42.2	94.2
	BTU	145,200	323,600
Max. oil consumption	l/h	4.4	11.7
Airflow	m <sup>3</sup> /h	2,800	6,300
Tank capacity	l/h	55	135
Electrical supply		230V 50 Hz	
Electrical consumption	Watt	245	1,110
ΔT	K°	43	45
Weight w/o fuel	Amp.	137	264
Flue connection	kg	120	180
Length	mm	1,050	1,400
Width	mm	460	760
Height	mm	1,600	2,000



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Kongskilde heaters are design to live up to the strictest requirements with regard to quality and safety. The heaters are simple to use and maintain and they have a long service life.