

TE_x

Air Rotation Space Heater
Gas & Oil Fired Thermal Economisers

Overview

The Powrmatic TE range of gas and oil-fired air rotation heaters are specifically designed for the efficient heating of large areas and are especially suitable for open plan warehousing and manufacturing facilities. Our air rotation units utilise high efficiency axial fans to move large volumes of air. These heaters achieve uniformity in the distribution of heated air that cannot be matched by conventional units that treat low volumes of air at high temperature.

Models Available

- TExG - Gas Fired
- TExO - Oil Fired
- TExD - Destratification

Product Features

- Fuel and electricity use are minimised by specifying Air Rotation technology. High efficiency burners linked to drum and tube heat exchangers and low energy main axial fans are carefully controlled to provide heat destratification ensuring building occupier satisfaction
- Using our MC200 controller as standard the system is supplied ready for automatic operation once commissioned. Whichever burner option is specified the simple and user friendly MC200 package offers password protected fully optimised control with all the built in safety features required. Optional control upgrades are available including remote averaging sensors, outside sensors or fully integrated building management system strategy.
- Standard internal cabinet construction is a formed metal frame with steel panels all protected with a hardwearing epoxy coated stove baked paint finish. Externally installed units are supplied with fully insulated and weatherproof metal frame and panels all protected with an epoxy, stove baked paint finish. Optional RAL colours can be supplied as required to suit specific project requirements.

Specification

- Ideally the Powrmatic TEx would be sited adjacent to an external wall within the building to minimise the use of floor space, enable a simple flue installation and reduce gas and electrical works. Where project constraints dictate the unit can be supplied insulated and weather proofed for external use. Insulated and weatherproof low and high level duct connections will be required along with louvers within space.



Technical Performance

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Model			31	41	61	
Nominal Output			kW	100-234	220-440	450-850
Air Volume			m ³ /s	5.5 - 12.6	14.2 - 25.5	30.7 - 47.2
Electric	Supply		V/ph/Hz	400/3/50		
	Motor Rating		kW	Dependant upon design criteria of system		
	Start Current		amp	Dependant upon design criteria of system		
	Run Current		amp	Dependant upon design criteria of system		
Burner Options	Modulating Gas			Riello RS 25/BLU	Riello RS 55/BLU	Riello RS 68/BLU Reillo RS 120/BLU
	High Low Oil			Riello RL 34	Riello RL 50	Riello RL 70/100
Fuel	Connection	Oil	BSP/Rc	3/8"	3/8"	1/2"
		Gas	BSP/Rc	1 1/4"	1 1/2"	2"
	Minimum Inlet Pressure	Nat Gas	mbar	17.5		
		LPG	mbar	37.0		
	Consumption Standard Outputs	Oil	l/h	Dependant upon design criteria of system		
		Nat Gas	m ³ /h			
LPG		m ³ /h				
Overall Dimensions	Standard Unit	Height	mm	5225	6125	8045
		Width	mm	1162	1518	2026
		Depth	mm	2025	2991	4007
Installation Clearances	Standard Unit	Front	mm	1000		
		Side	mm	1000		
		Rear	mm	1000		
Flue Diameter			mm ø	200	300	350
Combustion Air Spigot			mm ø	150		200
Noise Level			dBA	Dependant upon design criteria of system		

* **Important Note:** For full technical specification notes please refer to the product installation manual on our website at www.powrmatic.co.uk

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