HARRY TAYLOR
Celebrating 95 Years

INDUSTRIAL HEATING SERVICES

EVAPORATIVE COOLING SOLUTIONS

Warm air heaters / HT2000 heater range
Room Sealed Low-Nox unit heaters

- ErP Ready 2021
- Low Nox
- CE & Building Regulations Compliant
- Sealed Combustion Circuit
- Modulating Burner
- Automatic Operation
- Digital Optimised Heating Controls
- Frost Protection
- Summer Fan operation

CARBON TRUST ACCREDITED SUPPLIER

"Taylor" made solutions from the company with the know - how

Overview

The ErP 2021 compliant suspended LX range of unit heaters benefits from the same design as the popular LNVx range: its construction, performance, and aesthetics, finished with the popular epoxy powder RAL 7015 stove baked paint.

Our most advanced heater the LX is ergonomically designed with low NOx levels to provide efficient and cost effective heating solutions for any industrial and commercial properties whilst being built with heating engineers in mind.

Product Features

- Wide range of sizes, twelve capacities from 15 to 140kW
- Standard axial fan heater throws up to 45m.
- Compact space saving dimensions, designed to be room sealed or power flued with vertical or horizontal option.
- Most comprehensive model range including Axial Fan, Centrifugal Fan (with or without fan plenum), Axial fan downflow, Bi-Directional and Duct Package.
- Low NOx and high energy output with highest efficiency without condensing, simple and efficient high - low burner control.
- Designed for strength, rigidity and long service life with minimal noise levels.

Specification

- Heat exchanger manufactured as standard from aluminised steel tube with swaged and expanded connections into a combustion gas collection box, no welding is used to minimise stress on components.
- The four pass tubular heat exchanger can be specified with upgrade to 409 and 316 stainless steel.
- Individual in shot burners per heat exchanger tube to be fitted with Resistohm Helical Low NOx inserts capable of maximum continual 1300°c operation.
- Heaters will be capable of use with G20 Natural Gas or G31 LPG with injector change.
- Supplied with a modulating gas valve assembly as standard to achieve designed coverage and throw the supply fan airflow will remain constant through the modulating operation.
- Casing designed for rigidity and low noise, anti-vibration mounts utilized to secure the main fan assemblies.
- Units complete with easy access swing out burner wiring panels.
- NOx Levels will be less than 70mg/kWhr.
- Heater casing protected by epoxy powder coat stove baked paint RAL 7015.

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Technical Data

Model				50	70	90	100	115	150	170	200	250	300	410	490
Output (nominal)	High Fire (max)		kW	15.0	20.5	25.3	30.1	33.5	39.9	49.1	59.1	69.8	88.4	119.2	138.3
	Low Fire (min)		kW	8.5	10.5	11.7	16.1	16.1	19.8	23.8	29.9	34.0	41.2	67.7	72.7
Input (nett CV)	High Fire (max)		kW	16.2	22.2	27.4	32.1	35.8	43.1	53.6	64.2	75.3	94.9	127.0	147.5
	Low Fire (min)		kW	8.9	11.0	12.2	16.5	16.8	20.5	25.1	31.9	35.1	43.6	70.1	75.0
NOx Seasonal (Gross)			mg/kWh	63.8	60.0	51.7	59.0	66.8	44.4	48.3	60.2	53.9	38.7	66.8	61.2
Seasonal Space Heating Energy Efficiency			% hs,h	78.2	78.9	79.5	80.7	80.5	80.1	79.2	79.0	80.5	79.8	79.6	80.0
Airflow Volume	LX F & F/V & C		m^3/s	0.47	0.56	0.78	0.97	1.11	1.18	1.51	1.83	1.94	2.81	3.56	3.75
	LX D	Min	m^3/s	0.42	0.56	0.78	0.97	1.11	1.18	1.51	1.83	1.94	2.81	3.56	3.75
		Max	m^3/s	0.46	0.62	0.86	1.20	1.22	1.30	1.67	2.02	2.14	3.09	3.91	4.13
Airflow	Throw	LX F	m	10.0	14.0	20.0	23.0	28.0	30.0	35.0	38.0	42.0	44.0	45.0	45.0
	Fan Static	LX C	Pa	220	320	220	220	200	150	250	250	250	180	290	250
Electrics	Supply	Standard	V/ph/Hz	230/1/50											
		Optional*	V/ph/Hz	400/3/50 *on Centrifugal Units Only. 3Ph units shown in brackets ()											
	LX F	Run	amp	0.9	1.0	1.0	1.2	1.7	1.3	1.8	2.5	2.4	3.2	46	4.7
		Start	amp	1.9	2.0	2.0	2.4	4.0	2.7	4.0	5.0	4.0	6.0	8.0	8.0
	LX C	Start	amp	5.0	8.5	13.3	13.3	15.6	18.0	26.3	29(16.5)	38(18)	31.0	40(14.9)	44(16.8)
		Run	amp	2.0	3.1	4.2	4.3	4.7	5.8	7.6	10(4.8)	11(5.3)	12.8	17(4.6)	20(4.9)
Fuel	Connection		BSP/Rc	¾"						1"					
	Nominal Inlet Pressure	Nat Gas	mbar	20.0											
		LPG	mbar	37.0											
	Consumption	Nat Gas	m^3/h	1.71	2.35	2.90	3.39	3.79	4.56	5.67	6.79	7.96	10.03	13.43	15.60
		LPG	m^3/h	0.66	0.91	1.12	1.31	1.46	1.76	2.19	2.62	3.08	3.88	5.19	6.03
Mounting Height	LX F & F/Duo Crossflow	Min	m	2.5											
		Max	m	3.0				3.5							
	LX F/V Downflow	Min	m	2.5			4.0						6.0		
		Max	m	3.0		6.0		7.0				10.0		12.0	
Overall Dims	LX F	Height	mm	450	500	570	670	532	720	684	760	912	810	975	1140
		Width	mm	997	997	997	997	1325	997	1325	1325	1325	1950	1950	1950
		Depth	mm	859	869	819	834	918	834	938	915	915	938	915	915
Install Clearance	All	Top	mm	200											
		LH Side	mm	200											
		RH Side	mm	1000											
		Rear	mm	400											
Flue	Diameter		mm Ø	80	80	80	100	100	100	100	130	130	130	130	130
	Max Length	Flue Only	m	12											
		Room Sealed	m	6											
Combustion Air Spigot			mm Ø	80	80	80	100	100	100	100	130	130	130	130	130
Noise Levels	LX F		dB(A)	48	47	47	50	50	58	59	60	60	63	64	64
	LX C		dB(A)	55	55	54	54	N/A	60	61	62	62	66	67	67
Nett Weight	LX F		kg	59.5	73.0	76.5	81	84.0	103	122	135	149	202	238	286
	LX C		kg	71.0	83.6	86.4	94	N/A	122	143	170	213	329	364	430

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