

## 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



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.



## Technical Data

| Model                     |                        |                   | 50                | 70  | 90   | 100  | 115  | 150  | 170  | 200  | 250      | 300     | 410   | 490      |          |      |
|---------------------------|------------------------|-------------------|-------------------|---|------|------|------|------|------|------|----------|---------|-------|----------|----------|------|
| Output (nominal)          | Nat Gas                | High Fire (max)   | kW                | 15.0  | 20.5 | 25.3 | 30.1 | 33.5 | 39.9 | 51.5 | 59.1     | 69.8    | 95.4  | 118.0    | 140.0    |      |
|                           |                        | Low Fire (min)    | kW                | 8.5   | 10.5 | 11.7 | 16.1 | 16.1 | 19.8 | 26.4 | 29.9     | 34.0    | 36.6  | 48.2     | 72.2     |      |
|                           | LPG                    | High Fire (max)   | kW                | 15.3  | 20.6 | 25.5 | 30.6 | 34.1 | 39.9 | 48.3 | 57.9     | 67.8    | 87.7  | 118.6    | 130.4    |      |
|                           |                        | Low Fire (min)    | kW                | 8.2   | 10.0 | 12.8 | 17.9 | 16.6 | 21.3 | 24.2 | 30.3     | 35.0    | 45.2  | 61.1     | 69.1     |      |
| Input (nett CV)           | Nat Gas                | High Fire (max)   | kW                | 16.2  | 22.2 | 27.4 | 32.1 | 35.8 | 43.1 | 55.9 | 64.2     | 75.3    | 103.2 | 127.0    | 150.0    |      |
|                           |                        | Low Fire (min)    | kW                | 8.9   | 11.0 | 12.2 | 16.5 | 16.8 | 20.5 | 27.4 | 32.4     | 35.1    | 38.2  | 50.0     | 76.5     |      |
|                           | LPG                    | High Fire (max)   | kW                | 16.7  | 22.5 | 27.8 | 33.3 | 36.6 | 43.5 | 52.6 | 62.6     | 72.3    | 94.4  | 127.2    | 139.4    |      |
|                           |                        | Low Fire (min)    | kW                | 8.7   | 10.3 | 13.8 | 18.8 | 17.6 | 22.3 | 25.7 | 32.1     | 36.5    | 47.0  | 63.3     | 72.1     |      |
| NOx Seasonal (Gross)      |                        |                   | mg/kWh            | 63.8  | 60.0 | 51.7 | 59.0 | 66.8 | 44.4 | 48.3 | 60.2     | 53.9    | 66.0  | 66.8     | 61.2     |      |
| Seasonal Space Efficiency |                        |                   | % hs,h            | 78.2  | 78.9 | 79.5 | 80.7 | 80.5 | 79.2 | 79.2 | 79.0     | 80.5    | 82.0  | 79.6     | 80.0     |      |
| Airflow Volume            | LX F & F/V & C         |                   | m <sup>3</sup> /s | 0.39  | 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 <sup>3</sup> /s   | 0.39 | 0.56 | 0.78 | 0.97 | 1.11 | 1.18 | 1.51     | 1.83    | 1.94  | 2.81     | 3.56     | 3.75 |
|                           |                        |                   | Max               | m <sup>3</sup> /s   | 0.46 | 0.62 | 0.86 | 1.07 | 1.22 | 1.30 | 1.67     | 2.02    | 2.14  | 3.09     | 3.91     | 4.13 |
| Airflow                   | Throw Static           | LX F              | m                 | 10.0  | 14.0 | 20.0 | 25.0 | 28.0 | 30.0 | 35.0 | 38.0     | 42.0    | 44.0  | 45.0     | 45.0     |      |
|                           |                        | LX C              | Pa                | 220   | 320  | 220  | 220  | n/a  | 150  | 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                   | Run               | amp               | 2.0   | 3.1  | 4.2  | 4.3  | n/a  | 5.8  | 7.6  | 10(4.8)  | 10(5.3) | 12.8  | 17(4.6)  | 20(4.9)  |      |
|                           |                        | Start             | amp               | 5.0   | 8.5  | 13.1 | 14.0 | n/a  | 18.0 | 26.3 | 29(16.5) | 38(18)  | 31.0  | 40(14.9) | 44(16.8) |      |
| Fuel                      | Connection             |                   | BSP/Rc            | ¾"  |      |      |      |      |      |      |          |         |       | 1"       |          |      |
|                           | Nominal Inlet Pressure | Nat Gas           | mbar              | 20.0  |      |      |      |      |      |      |          |         |       |          |          |      |
|                           |                        | LPG               | mbar              | 37.0  |      |      |      |      |      |      |          |         |       |          |          |      |
|                           | Consumption            | Nat Gas           | m <sup>3</sup> /h | 1.71  | 2.35 | 2.90 | 3.40 | 3.79 | 4.56 | 5.92 | 6.79     | 7.96    | 10.73 | 13.44    | 15.87    |      |
| LPG                       |                        | m <sup>3</sup> /h | 0.68              | 0.92  | 1.14 | 1.36 | 1.50 | 1.78 | 2.15 | 2.56 | 2.96     | 3.86    | 5.20  | 5.7      |          |      |
| Mounting Height           | LX F & F/Duo           | Min               | m                 | 2.5   |      |      |      |      | 3.0  |      |          |         |       |          |          |      |
|                           |                        | Max               | m                 | 3.0   |      |      |      | 3.5  |      |      | 5.0      |         |       |          |          |      |
|                           | LX F/V Downflow        | Min               | m                 | 2.5   |      |      | 4.0  |      |      | 5.0  |          |         | 6.0   |          |          |      |
|                           |                        | Max               | m                 | 3.0   |      |      | 6.0  |      |      | 7.0  |          |         | 8.0   |          | 10.0     |      |
| 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   | 47   | 50   | 58   | 59   | 59   | 60       | 63      | 64    | 64       |          |      |
|                           | LX C                   | dB(A)             | 55                | 55  | 54   | 54   | N/A  | 60   | 60   | 62   | 62       | 66      | 67    | 67       |          |      |
| Nett Weight               | LX F                   | kg                | 59.5              | 73.0  | 76.5 | 81.0 | 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      |          |      |



**Harry Taylor South:**  
 Kitsons Works, Aylesbury Road  
 Bromley, Kent  
 BR2 0QZ, UK

**Southern Office Tel:** 020 8464 0915  
 southernoffice@harrytaylor.co.uk

**Harry Taylor North:**  
 Guide Bridge Mill, South Street  
 Ashton-Under-Lyne, Lancs  
 OL7 0HU, UK

**Northern Office Tel:** 0161 330 5632  
 northernoffice@harrytaylor.co.uk

