# LUXAIRE® Midwall Fixed Speed

LHGE09 to 24 HEAT PUMP
A complete range from 9000 Btu/h to 24000 Btu/h

NEW PRODUCT

## Features

- Modern, compact design
- Efficient cooling/heating
- Low/high ambient cooling
- Auto-restart
- Low noise
- Hidden display
- Louver position memory
- Two-way draining
- Valve protection cover
- Easy installation & maintenance

## Remote Control

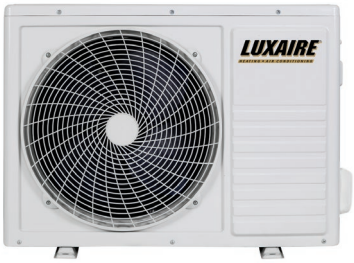
- 5 operation modes
- Sleep mode and on-off timers
- Turbo cool/heat settings
- Clock display
- I Feel

LUXAIRE HEATING • AIR CONDITIONING

Johnson Controls

# LHGE 09 to 24 ZEKATCORX

A complete range from 9000 Btu/h to 24000 Btu/h




Auto Restart | I Feel | R410a Refrigerant | Self Diagnosis | 24hr Timer

## Technical features

| LUXAIRE Set Model | | | LHGE09ZEKATCORX | LHGE12ZEKATCORX | LHGE18ZEKATCORX | LHGE24ZEKATCORX |
|---|---|---|---|---|---|---|
| LUXAIRE Outdoor Model | | | LHGE09YEKATCO-X | LHGE12YEKATCO-X | LHGE18YEKATCO-X | LHGE24YEKATCO-X |
| LUXAIRE Indoor Model | | | LHGE09XEKATC-RX | LHGE12XEKATC-RX | LHGE18XEKATC-RX | LHGE24XEKATC-RX |
| Power supply | | Ph-V-Hz | 1Ph-220-240V~50Hz | 1Ph-220-240V~50Hz | 1Ph-220-240V~50Hz | 1Ph-220-240V~50Hz |
| Power supply to | | | Indoor | Indoor | Indoor | Indoor |
| Voltage range | | V | 198~264 | 198~264 | 198~264 | 198~264 |
| Cooling | Capacity | Btu/h | 9,008 | 12,010 | 18,015 | 22,144 |
| | Capacity | W | 2,640 | 3,520 | 5,280 | 6,490 |
| | Rated power input | W | 850 | 1,132 | 1,665 | 2,060 |
| | Rated current | A | 3.8 | 5.0 | 7.5 | 9.2 |
| | EER | W/W | 3.11 | 3.11 | 3.17 | 3.15 |
| Heating | Capacity | Btu/h | 9,519 | 12,522 | 18,527 | 23,406 |
| | Capacity | W | 2,790 | 3,670 | 5,430 | 6,860 |
| | Rated power input | W | 725 | 1,180 | 1,535 | 1,965 |
| | Rated current | A | 3.2 | 5.2 | 6.9 | 8.8 |
| | COP | W/W | 3.85 | 3.11 | 3.54 | 3.49 |
| Max power Input | | W | 1,105 | 1,550 | 2,165 | 2,678 |
| Max current | | A | 4.9 | 6.8 | 9.7 | 12.0 |
| Moisture removal | | l/h | 1.0 | 1.3 | 1.8 | 2.4 |
| Compressor | Type | | Rotary | Rotary | Rotary | Rotary |
| | Rated current(RLA) | A | 2.4 | 5.2 | 5.9 | 8.7 |
| | Locked rotor Amp(LRA) | A | 20 | 24.5 | 36.3 | 48 |
| | Thermal protector | | INTERNAL | EXTERNAL | INTERNAL | INTERNAL |
| | Capacitor | μF | 25 | 35 | 45 | 55 |
| | Refrigerant oil/oil charge | ml | ESTER OIL VG74 ·300 | "NMOC Zegles RB68EP or equivalent 270" | ESTEL OIL VG74 · 620 | "B68HES-H or equivalent 485" |
| Indoor fan model | Power Input | W | 14 | 14 | 25 | 49 |
| | Capacitor | μF | 1.5 | 1.5 | 1.5 | 3.0 |
| | Speed (Turbo/Hi/Me/Lo) Cooling | rpm | 1,270/1,170/1,050/900 | 1,270/1,170/1,050/900 | 1,300/1,200/1,100/1,050 | 1,280/1,200/1,050/900 |
| | Speed (Turbo/Hi/Me/Lo) Heating | rpm | 1,250/1,150/1,050/950 | 1,250/1,150/1,050/950 | 1,300/1,200/1,100/1,050 | 1,280/1,200/1,050/900 |
| Indoor air flow (Cooling/Heaing) | | m3/h(T/H/M/L) | 500/460/410/370 | 510/470/420/380 | 850/785/720/690 | 1,100/1,030/905/775 |
| Indoor noise level (sound power) | | dB(A)(T/H/M/L) | 49/46/44/41 | 50/46/44/41 | 55/53/50/49 | 56/54/51/48 |
| Outdoor fan motor | Input | W | 25 | 31 | 45 | 68 |
| | Capacitor | μF | 2.0 | 2.5 | 3.0 | 4.0 |
| | Speed (Turbo/H/M/L) | rpm | 895 | 860 | 820 | 830 |
| Outdoor air flow | | m3/h | 1,410 | 2,040 | 2,240 | 2,670 |
| Outdoor noise level | | dB(A) | 51 | 52 | 56 | 57 |
| Indoor unit | Dimension (W×H×D) | mm | 777×205×250 | 777×205×250 | 910×205×292 | 1,010×220×315 |
| | Packing (W×H×D) | mm | 848×277×318 | 848×277×318 | 977×275×370 | 1,094×294×391 |
| | Net/Gross weight | kg | 8/11 | 8/11 | 10/13 | 13/16 |
| Outdoor unit | Dimension (W×H×D) | mm | 600×500×230 | 700×550×256 | 780×605×290 | 820×605x300 |
| | Packing (W×H×D) | mm | 705×550×300 | 803×585×325 | 883×653×360 | 930×635x380 |
| | Net/Gross weight | kg | 27 | 29 | 43 | 47 |
| Refrigerant piping | Liquid side/Gas side | mm(inch) | Ø6(1/4")/Ø9(3/8") | Ø6(1/4")/Ø9(3/8") | Ø6(1/4")/Ø12(1/2") | Ø6(1/4")/Ø15.88(5/8") |
| | Max. refrigerant pipe length | m | 15 | 15 | 15 | 15 |
| | Max. difference in level | m | 5 | 5 | 5 | 5 |
| | Standard connection pipe length | m | 3 | 3 | 4 | 4 |
| | Additional refrigerant charge | g/m | 20 x (Length-3) | 20 x (Length-3) | 30 x (Length-4) | 30 x (Length-4) |
| Refrigerant/Refrigerant charge | | g | R-410A/560 | R-410A/600 | R-410A/1,170 | R-410A/1,170 |
| Remote setting temperature range | | °C | 16~31 | 16~31 | 16~31 | 16~31 |
| Ambient temperature range | | °C | -7~43 | -7~43 | -7~43 | -7~43 |
| Suitable area (cooling standard) | | m2 | 9~16 | 15~23 | 20~35 | 30~50 |
| Loading Qty 20' 40' 40'HQ | | Set | 144/298/350 | 113/234/275 | 81/167/196 | 72/150/175 |

*Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB / 24°C WB*
*Nominal heating capacity based on : - Indoor Air Temp. 20°C DB / 15°C WB - Outdoor Air Temp. 7°C DB / 6°C WB*

LUXAIRE® HEATING ▪ AIR CONDITIONING

© 2019 Johnson Controls, Inc.
Version 1