

HEAT PUMPS FOR LARGE SPACES

HEAT PUMP NEOHEAT STANDARD EX

nesheat

Fuji Electric

NEOHEAT STANDARD EX HEAT PUMP

STANDARD EX

NEOHEAT 22 EX | NEOHEAT 28 EX

HEAT PUMPS DEDICATED FOR
HEATING LARGE HOUSES AND LARGER
COMMERCIAL AREAS.

The NEOHEAT heat pump has the ability of indoor heat and cold adjustment. The pump is also used to heat DHW and can be the main or complementary heat source. Each pump is equipped with remote access and touch control panel.

BASIC EQUIPMENT

- Speed-regulated circulating pump with low sound level up to 6 dB
- 2.5 bar safety valve
- Flow measurement and control sensor
- Heat balance calorimeter
- Floor drying/heating program
- Second heat source control
- Touch control panel
- Working in an online environment
- Temperature control depending on external conditions

ACCESSORIES (OPTIONAL)

- Indoor unit temperature sensor
- 3-way valve for mixing two heat sources
- 3-way zone valve for solar collectors
- Remote access for maintenance
- Remote control via server
- 3-way valve for DHW



NAME OF THE SERIES
NEOHEAT STANDARD EX

| Type | | | Neoheat 22 EX | Neoheat 28 EX |
|------------------------------------|-------------|----|---------------|---------------|
| +7°C / +35°C underfloor heating | Capacity | kW | 23.73 | 29.4 |
| | Input power | | 5.79 | 7.17 |
| | COP** | | 4.1 | 4.1 |
| +2°C / +35°C underfloor heating | Capacity | kW | 23.33 | 28 |
| | Input power | | 7.18 | 8.62 |
| | COP** | | 3.25 | 3.25 |
| -7°C / +35°C underfloor heating | Capacity | kW | 22.38 | 26 |
| | Input power | | 7.94 | 9.22 |
| | COP** | | 2.82 | 2.82 |
| +7°C / +45°C cooling unit | Capacity | kW | 22.03 | 27.3 |
| | Input power | | 6.39 | 7.91 |
| | COP** | | 3.45 | 3.45 |
| -7°C / +45°C cooling unit | Capacity | kW | 20.73 | 24.1 |
| | Input power | | 8.64 | 10.04 |
| | COP** | | 2.4 | 2.4 |

INDOOR UNIT

| | | | | |
|-------------------------------|----------------------------|--------|-----------------|----|
| Volume of the indoor unit | | dB/1 m | 45 | 45 |
| Dimensions of the indoor unit | H x W x L | mm | 600 x 650 x 300 | |
| Condensate exchanger | net | kg | 45 | |
| Condensate exchanger | stainless steel - soldered | | | |

OUTDOOR UNIT

| | Indoor unit | V/Ph/Hz | 230/1/50 | |
|--------------------------------------|---------------------------------|-------------------|-----------------|-----------------|
| | Outdoor unit | | 400/3/50 | |
| Power supply | | | | |
| Efficiency | Cooling | kW | 19.0 (8.4~20.9) | 22.0(10.3~24.2) |
| | Heating | | 22.4 (7.2~24.6) | 27.0(8.5~29.7) |
| Power consumption | Cooling/Heating | kW | 6.46/6.59 | 7.77/8.18 |
| EER | Cooling | - | 2.94 | 2.83 |
| COP | Heating | | 3.4 | 3.3 |
| Current consumption | Indoor unit (Cooling/Heating) | A | 3.2/3.2 | 3.5/3.5 |
| | Outdoor unit (Cooling/Heating) | | 11.2/11.5 | 13.5/14.1 |
| Dehumidification | | l/h | 4.5 | 6.0 |
| Sound pressure level | Indoor unit (Cooling) (H/M/L/Q) | dB (A) | 46/43/41/39 | 47/44/42/40 |
| | Indoor unit (Heating) (H/M/L/Q) | | 46/43/41/39 | 47/44/42/40 |
| | Outdoor unit (Cooling/Heating) | | 55/55 | 55/57 |
| Airflow | Indoor unit/ Outdoor unit | m ³ /h | 4,300/8,400 | 4,300/9,000 |
| Static pressure range (standard) | | Pa | 50~150 (72) | 50~200 (72) |
| Net dimensions (H x W x D) Weight | Indoor unit | mm | 360×1,400×850 | 360×1,400×850 |
| | | kg (lbs) | 69 (152) | 80 (176) |
| | Outdoor unit | mm | 1,428×1,080×480 | 1,428×1,080×480 |
| | | kg (lbs) | 165 (363) | 174 (383) |
| Diameter of cooling pipes | Liquid/Gas | mm | 12.7/25.4 | 12.7/25.4 |
| Diameter of the condensate tube | Indoor unit/ Outdoor unit | mm | 23.4/25.4 | 23.4/25.4 |
| Max. pipe length | Not recharged | m | 100 (30) | 100 (30) |
| Max. level difference | | m | 30 | 30 |
| Working temperature range | Cooling | °C DB | -15~46 | -15~46 |
| | Heating | | -20~24 | -20~24 |
| Refrigerant | Type | GWP | R410A (2.088) | R410A (2.088) |
| | Amount in the device | g | 5,600 | 7,100 |