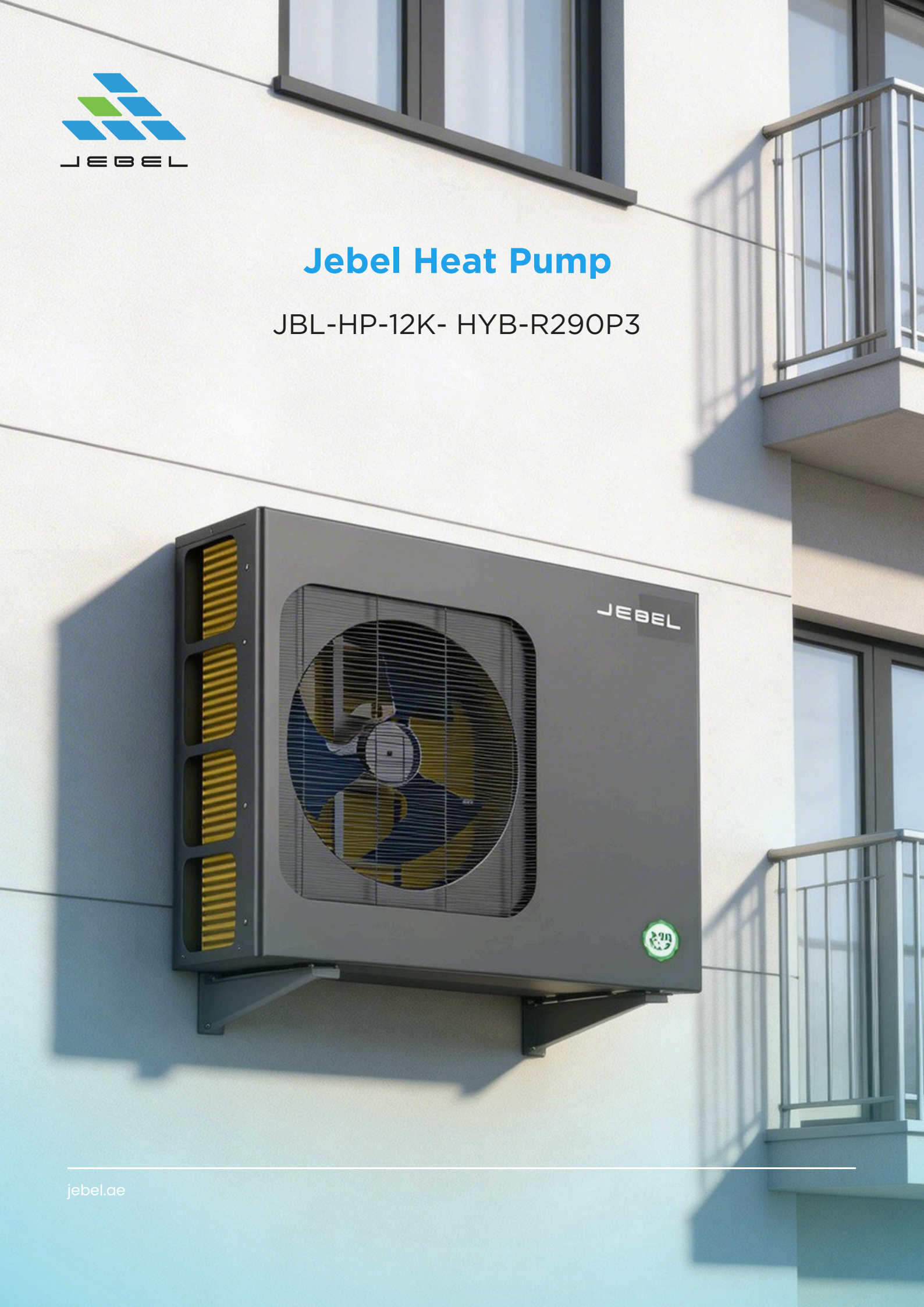
# Jebel Heat Pump

JBL-HP-12K- HYB-R290P3

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# Technical Information

| Technical Datasheet | | | 12kW | 16kW |
|---|---|---|---|---|
| | | | JBL-HP-12K-HYB-R290P3 | JBL-HP-16K-HYB-R290P3 |
| **Power Supply AC** | **Power AC** | **V/Ph/H** | **AC380-415V/3Ph/50/60Hz** | |
| Cooling (A35W18) | Capacity | kW | 12.0 | 16.0 |
| | Rated Input | kW | 2.67 | 4.10 |
| | EER | | 4.5 | 3.9 |
| Cooling (A35W7) | Capacity | kW | 11.5 | 14.0 |
| | Rated Input | kW | 3.77 | 5.09 |
| | EER | | 3.05 | 2.75 |
| Heating (A7W35) | Capacity | kW | 12.0 | 15.0 |
| | Rated Input | kW | 2.50 | 3.41 |
| | COP | | 4.8 | 4.4 |
| Heating (A7W45) | Capacity | kW | 12.0 | 15.0 |
| | Rated Input | kW | 3.24 | 4.48 |
| | COP | | 3.7 | 3.35 |
| Heating (A7W55) | Capacity | kW | 12.0 | 15.0 |
| | Rated Input | kW | 3.87 | 5.26 |
| | COP | | 3.1 | 2.85 |
| Seasonal space heating energy efficiency class1 | LWT at 35℃ | | A+++ | A+++ |
| | LWT at 55℃ | | A++ | A++ |
| SCOP | LWT at 35℃ | | 4.99 | 4.83 |
| | LWT at 55℃ | | 3.91 | 3.76 |
| ErP sound power level2 | Monobloc unit | dB | 57 | 58 |
| Max power Input3 | | kW | 4.8 | 5.9 |
| Max current3 (AC) | | A | 9.5 | 11.5 |
| Refrigerant | Type/GWP | | R290/3 | |
| | Charged volume | kg | 1.43 | |
| Compressor | Type | | Rotary | |
| | Brand | | PANASONIC | |
| Water pump | Type | | DC high-efficiency shielded pump | |
| | Brand | | SHIMGE/Shinhoo | |
| | Max. pump head | m | 9 | |
| Outdoor fan | Moter type | | DC brushless motor | |
| | Fan direction | | Horizontal | |
| | Output power | W | 250 | |
| Water side heat exchanger | Type | | Brazed plate | |
| Air side heat exchanger | Type | | Finned tube | |
| Throttle type | | | Electronic expansion valve | |

# Technical Information

| | | | |
|---|---|---|---|
| Water circuit | Piping connections | inch | G1-1/4" |
| | Safety valve set pressure | MPa | 0.3 |
| | Flow switch | $m^3/h$ | 0.60 |
| | Expansion tank Volume | L | 5 |
| | Capacity of the back-up heater | kW | 9 |
| Operating ambient temp. range | Cooling | 0C | -5 ~ 48 |
| | Heating | 0C | -25 ~ 35 |
| | DHW(tank) | 0C | -25 ~ 43 |
| Setting water temp. range | Cooling | °C | 10 ~ 30 (LWT 5 ~ 25) |
| | Heating | °C | 25 ~ 80 |
| | DHW(tank) | °C | 25 ~ 75 |
| Net dimension | W×D×H | mm | 1283×455×1036 |
| Packing dimension | W×D×H | mm | 1360×545×1222 |
| Net weight | Monobloc unit | kg | 175 |
| Gross weight | Monobloc unit | kg | 199 |