



COMMERCIAL HEATING

PRODUCT BROCHURE / 2026

# R290 Commercial Inverter Heat Pump

Up to 50kW heating / 32kW cooling.

## SHRBLN-50

High-temperature water.  
Inverter-driven operation.  
R290 refrigerant.

**UP TO 75°C**

Outlet water temperature



## Key Features



HEATING CAPACITY

Up to 50kW<sup>1</sup>



COOLING CAPACITY

Up to 32kW<sup>2</sup>



REFRIGERANT

R290



ENERGY RATING

A++ at 35°C

## Technology & Operation

### COMPRESSOR

#### DC inverter

Variable-speed compressor for heating and cooling operation.

### FAN MOTOR

#### DC inverter fan

One fan with inverter-driven motor operation.

### CONTROLS

#### Climate-responsive

Water temperature adjustment based on changing climate conditions.

1. Heating: A7/6°C, W30/35°C. 2. Cooling: A35/24°C, W12/7°C. Performance varies with operating conditions. Architectural background is illustrative.

## Find the right heat pump for your project.

Talk to SmartHeat about system selection, sizing and installation.

**1300 186 667**

**info@smartheat.com.au**

NSW / Unit 6, 19 Chifley Street, Smithfield NSW 2164

**smartheat.com.au**

# Technical specifications

SHRBLN-50 R290 Commercial Inverter Heat Pump

| MODEL                              | SHRBLN-50                |
|------------------------------------|--------------------------|
| <b>HEATING   A7/6°C, W30/35°C</b>  |                          |
| Heating capacity (kW)              | 17.56-50                 |
| Power input (kW)                   | 2.61-12.88               |
| Current input (A)                  | 5.46-18.8                |
| <b>HEATING   A7/6°C, W47/55°C</b>  |                          |
| Heating capacity (kW)              | 17.95-49                 |
| Power input (kW)                   | 3.48-17.2                |
| Current input (A)                  | 7.78-26.8                |
| <b>COOLING   A35/24°C, W12/7°C</b> |                          |
| Cooling capacity (kW)              | 10-32                    |
| Power input (kW)                   | 3.84-13.3                |
| Current input (A)                  | 6.42-20.56               |
| <b>GENERAL SPECIFICATIONS</b>      |                          |
| Power supply                       | 380-415 V / 3 Ph / 50 Hz |
| ErP rating (outlet water at 35°C)  | A++                      |
| Maximum input power / current      | 19.84 kW / 30.30 A       |
| Refrigerant                        | R290                     |
| Rated water flow                   | 8.60 m³/h                |
| Fan quantity / motor type          | 1 / DC inverter          |
| Compressor                         | DC inverter              |
| Ingress protection                 | IPX4                     |
| Sound pressure at 1 m              | 65 dB(A)                 |
| Maximum outlet water temperature   | 75°C                     |
| Water connections                  | DN 40 (G 1-1/2")         |
| Maximum water pressure drop        | 65 kPa                   |
| Heating / cooling operating range  | -25 to 45°C / 16 to 45°C |
| Unit dimensions (L × D × H)        | 1155 × 990 × 1880 mm     |
| Packed dimensions (L × D × H)      | 1238 × 1058 × 2033 mm    |
| Net / packed weight                | 500 / 540 kg             |

A = air temperature; W = water temperature. Test conditions and values follow the supplied SHRBLN-50 technical sheet. Maximum capacity and temperature limits apply at their respective operating conditions.

## Find the right heat pump for your project.

Talk to SmartHeat about system selection, sizing and installation.

**1300 186 667**

**info@smartheat.com.au**

NSW / Unit 6, 19 Chifley Street, Smithfield NSW 2164