

Subtype SDHB1-025SNWO

Certificate Holder	Saunier Duval Brand Group
Address	SDECCI SAS - 17 rue de la Petite Baratte
ZIP	44300
City	Nantes
Country	FR
Certification Body	DIN CERTCO Gesellschaft für Konformitätsbewertung mbH
Subtype title	SDHB1-025SNWO
Registration number	011-1W0893
Heat Pump Type	Air/Air Single Split
Refrigerant	R32
Mass of Refrigerant	0.51 kg
Certification Date	20.09.2024
Testing basis	European KEYMARK Scheme for Heat Pumps V.14 (2024-04)

**Model SDHB1-025SNWO + SDHB1-025SNWI**

Model name	SDHB1-025SNWO + SDHB1-025SNWI
Application	Heating + Cooling
Units	n/a
Climate zone (for heating)	Warmer
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

**General data**

Power supply	1x230V 50Hz
Off-peak product	n/a

**Air/Air Single Split****EN 14511-4 | Cooling**

Shutting off the heat transfer medium flow passed

Complete power supply failure	passed
Starting and operating test	passed

**EN 14511-2 | Heating**

	A7/A20
Heating capacity	2.95
El input	0.66 kW
COP	4.48

**EN 14511-2 | Cooling**

	A35/A27
El input	0.68 kW
Cooling capacity	2.73
EER	4.03

**EN 12102-1 | Cooling**

Sound power level indoor	58 dB(A)
Sound power level outdoor	61 dB(A)

**EN 14825 | Cooling**

Pdesignc	Indoor dry(wet) bulb temperature 27(19)°C
SEER	2.70 kW
Pdc Tj = 35°C	8.40
EER Tj = 35°C	2.70 kW
Cdc Tj = 35 °C	3.97
Pdc Tj = 30°C	0.250
EER Tj = 30°C	2.00 kW
	6.25

Cdc Tj = 30 °C	0.250
Pdc Tj = 25°C	1.28 kW
EER Tj = 25°C	9.95
Cdc Tj = 25 °C	0.250
Pdc Tj = 20°C	0.72 kW
EER Tj = 20°C	17.10
Cdc Tj = 20 °C	0.250
Poff	2 W
PTO	5 W
PSB	2 W
PCK	0 W
Annual energy consumption Qce	113 kWh

**EN 14825 | Average Climate**

Indoor dry bulb temperature: 20°C

Pdesignh	2.70 kW
SCOP	4.50
Tbiv	-10 °C
TOL	-10 °C
Pdh Tj = -7°C	2.37 kW
COP Tj = -7°C	3.05
Cdh Tj = -7 °C	0.250
Pdh Tj = +2°C	1.47 kW
COP Tj = +2°C	4.45
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	0.95 kW
COP Tj = +7°C	5.60
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	0.90 kW
COP Tj = 12°C	6.91
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	2.70 kW
COP Tj = Tbiv	2.65
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.70 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.65
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	2 W
PTO	5 W
PSB	2 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Qhe	840 kWh

**EN 14825 | Warmer Climate**

Indoor dry bulb temperature: 20°C

Pdesignh	2.90 kW
SCOP	5.60
Tbiv	2 °C
TOL	2 °C
Pdh Tj = +2°C	2.90 kW
COP Tj = +2°C	2.80
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	1.86 kW
COP Tj = +7°C	5.14
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	0.90 kW
COP Tj = 12°C	6.91
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	2.90 kW
COP Tj = Tbiv	2.80
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.90 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.80
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	2 W
PTO	5 W
PSB	2 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Qhe	725 kWh