

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

	Indoor dry(wet) bulb temperature 27(19)°C
P _{designc}	2.70 kW
SEER	8.40
P _{dc} T _j = 35°C	2.70 kW
EER T _j = 35°C	3.97
C _{dc} T _j = 35 °C	0.250
P _{dc} T _j = 30°C	2.00 kW
EER T _j = 30°C	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
P _{designh}	2.90 kW
SCOP	5.60
T _{biv}	2 °C
TOL	2 °C
P _{dh} T _j = +2°C	2.90 kW
COP T _j = +2°C	2.80
C _{dh} T _j = +2 °C	0.250
P _{dh} T _j = +7°C	1.86 kW
COP T _j = +7°C	5.14
C _{dh} T _j = +7 °C	0.250
P _{dh} T _j = 12°C	0.90 kW
COP T _j = 12°C	6.91
C _{dh} T _j = +12 °C	0.250
P _{dh} T _j = T _{biv}	2.90 kW
COP T _j = T _{biv}	2.80
P _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	2.90 kW
COP T _j = TOL or COP T _j = T _{designh} if TOL < T _{designh}	2.80
C _{dh} T _j = TOL or P _{dh} T _j = T _{designh} if TOL < T _{designh}	0.250
P _{off}	2 W
PTO	5 W
PSB	2 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Q _{he}	725 kWh