

Subtype SDH1-080MNA4O

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	SDH1-080MNA4O
Registration number	011-1W0892
Heat Pump Type	Air/Air Multi Split
Refrigerant	R32
Mass of Refrigerant	1.8 kg
Certification Date	20.09.2024
Testing basis	European KEYMARK Scheme for Heat Pumps V.14 (2024-04)

Model SDH1-080MNA4O + SDHB1-025SNWI + SDHB1-025SNWI + SDHB1-025SNWI + SDHB1-025SNWI

Model name	SDH1-080MNA4O + SDHB1-025SNWI + SDHB1-025SNWI + SDHB1-025SNWI + SDHB1-025SNWI
Application	Heating + Cooling
Units	n/a
Climate zone (for heating)	n/a
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 Multi 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	9.65
El input	2.19 kW
COP	4.40

EN 14511-2 | Cooling

A35/A27

El input	2.25 kW
Cooling capacity	8.22
EER	3.65

EN 12102-1 | Cooling

Sound power level outdoor 67 dB(A)

EN 14825 | Cooling

Indoor dry(wet) bulb temperature 27(19)°C

Pdesignc	8.00 kW
SEER	6.10
Pdc Tj = 35°C	8.22 kW
EER Tj = 35°C	3.65
Cdc Tj = 35 °C	0.250
Pdc Tj = 30°C	5.92 kW
EER Tj = 30°C	4.91
Cdc Tj = 30 °C	0.250

Pdc Tj = 25°C	3.87 kW
EER Tj = 25°C	7.34
Cdc Tj = 25 °C	0.250
Pdc Tj = 20°C	2.79 kW
EER Tj = 20°C	9.42
Cdc Tj = 20 °C	0.250
Poff	9 W
PTO	1 W
PSB	9 W
PCK	0 W
Annual energy consumption Qce	459 kWh

EN 14825 | Average Climate

Indoor dry bulb temperature: 20°C

Pdesignh	6.70 kW
SCOP	4.00
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	6.21 kW
COP Tj = -7°C	2.64
Cdh Tj = -7 °C	0.250
Pdh Tj = +2°C	3.68 kW
COP Tj = +2°C	4.17
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	2.43 kW
COP Tj = +7°C	4.80
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	2.34 kW
COP Tj = 12°C	6.09
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	6.21 kW
COP Tj = Tbiv	2.64
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.42 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.28
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	9 W
PTO	33 W
PSB	9 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Qhe	2342 kWh

Model SDH1-080MNA4O + SDHB1-020SNWI + SDHB1-020SNWI + SDHB1-020SNWI + SDHB1-020SNWI

Model name	SDH1-080MNA4O + SDHB1-020SNWI + SDHB1-020SNWI + SDHB1-020SNWI + SDHB1-020SNWI
Application	Heating + Cooling
Units	n/a
Climate zone (for heating)	n/a
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 Multi 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	2.43
El input	0.49 kW
COP	4.99

EN 14511-2 | Cooling

A35/A27

El input	2.17 kW
Cooling capacity	8.03
EER	3.70

EN 12102-1 | Cooling

Sound power level outdoor 68 dB(A)

EN 14825 | Cooling

Indoor dry(wet) bulb temperature 27(19)°C

Pdesignc	8.00 kW
SEER	6.10
Pdc Tj = 35°C	8.03 kW
EER Tj = 35°C	3.70
Cdc Tj = 35 °C	0.250
Pdc Tj = 30°C	5.71 kW
EER Tj = 30°C	4.99
Cdc Tj = 30 °C	0.250

Pdc Tj = 25°C	3.59 kW
EER Tj = 25°C	7.19
Cdc Tj = 25 °C	0.250
Pdc Tj = 20°C	2.68 kW
EER Tj = 20°C	9.49
Cdc Tj = 20 °C	0.250
Poff	10 W
PTO	1 W
PSB	10 W
PCK	0 W
Annual energy consumption Qce	459 kWh

EN 14825 | Average Climate

Indoor dry bulb temperature: 20°C

Pdesignh	6.70 kW
SCOP	4.00
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	6.13 kW
COP Tj = -7°C	2.72
Cdh Tj = -7 °C	0.250
Pdh Tj = +2°C	3.45 kW
COP Tj = +2°C	4.03
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	2.43 kW
COP Tj = +7°C	4.99
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	2.76 kW
COP Tj = 12°C	6.36
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	6.13 kW
COP Tj = Tbiv	2.72
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	4.51 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.34
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	10 W
PTO	33 W
PSB	10 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Qhe	2345 kWh