

Subtype SDH1-040MNA2O

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	SDH1-040MNA2O
Registration number	011-1W0890
Heat Pump Type	Air/Air Multi Split
Refrigerant	R32
Mass of Refrigerant	0.75 kg
Certification Date	20.09.2024
Testing basis	European KEYMARK Scheme for Heat Pumps V.14 (2024-04)

Model SDH1-040MNA2O + SDHB1-025SNWI + SDHB1-025SNWI

Model name	SDH1-040MNA2O + 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	4.42
El input	0.96 kW
COP	4.58

EN 14511-2 | Cooling

	A35/A27
El input	1.11 kW
Cooling capacity	4.21
EER	3.78

EN 12102-1 | Cooling

Sound power level outdoor	67 dB(A)
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EN 14825 | Cooling

	Indoor dry(wet) bulb temperature 27(19)°C
Pdesignc	4.10 kW
SEER	6.70
Pdc Tj = 35°C	4.21 kW
EER Tj = 35°C	3.78
Cdc Tj = 35 °C	0.250
Pdc Tj = 30°C	3.15 kW
EER Tj = 30°C	5.15
Cdc Tj = 30 °C	0.250

Pdc Tj = 25°C	2.02 kW
EER Tj = 25°C	9.05
Cdc Tj = 25 °C	0.250
Pdc Tj = 20°C	1.64 kW
EER Tj = 20°C	10.59
Cdc Tj = 20 °C	0.250
Poff	7 W
PTO	1 W
PSB	7 W
PCK	0 W
Annual energy consumption Qce	214 kWh

EN 14825 | Average Climate

	Indoor dry bulb temperature: 20°C
Pdesignh	3.80 kW
SCOP	4.00
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	3.45 kW
COP Tj = -7°C	2.49
Cdh Tj = -7 °C	0.250
Pdh Tj = +2°C	2.08 kW
COP Tj = +2°C	4.05
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	1.36 kW
COP Tj = +7°C	5.15
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	1.31 kW
COP Tj = 12°C	6.34
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	3.45 kW
COP Tj = Tbiv	2.49
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.16 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.25
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	7 W
PTO	26 W
PSB	7 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Qhe	1330 kWh

Model SDH1-040MNA2O + SDHB1-020SNWI + SDHB1-020SNWI

Model name	SDH1-040MNA2O + 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	1.34
El input	0.25 kW
COP	5.35

EN 14511-2 | Cooling

	A35/A27
El input	1.10 kW
Cooling capacity	4.16
EER	3.77

EN 12102-1 | Cooling

Sound power level outdoor	62 dB(A)
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EN 14825 | Cooling

	Indoor dry(wet) bulb temperature 27(19)°C
Pdesignc	4.10 kW
SEER	6.70
Pdc Tj = 35°C	4.16 kW
EER Tj = 35°C	3.77
Cdc Tj = 35 °C	0.250
Pdc Tj = 30°C	3.06 kW
EER Tj = 30°C	5.14
Cdc Tj = 30 °C	0.250

Pdc Tj = 25°C	2.00 kW
EER Tj = 25°C	9.32
Cdc Tj = 25 °C	0.250
Pdc Tj = 20°C	1.40 kW
EER Tj = 20°C	9.88
Cdc Tj = 20 °C	0.250
Poff	7 W
PTO	1 W
PSB	7 W
PCK	0 W
Annual energy consumption Qce	214 kWh

EN 14825 | Average Climate

	Indoor dry bulb temperature: 20°C
Pdesignh	3.70 kW
SCOP	4.00
Tbiv	-7 °C
TOL	-10 °C
Pdh Tj = -7°C	3.32 kW
COP Tj = -7°C	2.52
Cdh Tj = -7 °C	0.250
Pdh Tj = +2°C	2.06 kW
COP Tj = +2°C	3.97
Cdh Tj = +2 °C	0.250
Pdh Tj = +7°C	1.34 kW
COP Tj = +7°C	5.35
Cdh Tj = +7 °C	0.250
Pdh Tj = 12°C	1.32 kW
COP Tj = 12°C	6.42
Cdh Tj = +12 °C	0.250
Pdh Tj = Tbiv	3.32 kW
COP Tj = Tbiv	2.52
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.19
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.250
Poff	7 W
PTO	27 W
PSB	7 W
PCK	0 W
Backup Heater	0.00 kW
Annual energy consumption Qhe	1295 kWh