Subtype HA 3-8.2 OS 230V, HA 5-8.2 OS 230V with Tower	
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	HA 3-8.2 OS 230V, HA 5-8.2 OS 230V with Tower
Registration number	011-1W0951
Heat Pump Type	Outdoor Air/Water
Refrigerant	R32
Mass of Refrigerant	1.3 kg
Certification Date	11.12.2024
Testing basis	HP KEYMARK certification scheme rules rev. 14

Model HA 4-8.2 OS 230V B3 + HA 6-8.2 STB	
Model name	HA 4-8.2 OS 230V B3 + HA 6-8.2 STB
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
General data	
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	141 %
COP	3.53
Heating up time	01:19 h:min
Standby power input	46.1 W
Reference hot water temperature	52.4 °C
Mixed water at 40°C	249 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	121.4 %
COP	3.03
Heating up time	01:23 h:min
Standby power input	55.2 W
Reference hot water temperature	52.1 °C
Mixed water at 40°C	243 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	165.4 %
COP	4.14
Heating up time	02:21 h:min
Standby power input	38.3 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	247 l
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

Defrost test	passed	
Starting and operating test	passed	

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	3.54 kW	5.00 kW
El input	0.71 kW	1.73 kW
COP	5.01	2.89

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.73 kW	1.26 kW
Cooling capacity	5.22	5.31
EER	3.03	4.22

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	188 %	129 %
Prated	3.44 kW	3.65 kW
SCOP	4.79	3.31
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.05 kW	3.23 kW
COP Tj = -7°C	3.25	2.15
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.02 kW	2.09 kW
COP Tj = +2°C	4.71	3.21
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.41 kW	2.14 kW
COP Tj = +7°C	6.10	4.32
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.76 kW	2.71 kW
COP Tj = 12°C	8.20	6.20
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	3.05 kW	3.23 kW
COP Tj = Tbiv	3.25	2.15
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.75 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.93	1.81

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	13 W	13 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.42 kW	0.90 kW
Annual energy consumption Qhe	1487 kWh	2277 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	158 %	109 %
Prated	3.41 kW	2.98 kW
SCOP	4.04	2.80
Tbiv	-15 °C	-15 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	2.26 kW	1.95 kW
COP Tj = -7°C	3.54	2.43
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.04 kW	1.86 kW
COP Tj = +2°C	4.82	3.53
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = +7°C	2.34 kW	2.22 kW
COP Tj = +7°C	6.31	4.77
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.78 kW	2.65 kW
COP Tj = 12°C	8.02	6.43
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	2.78 kW	2.43 kW
COP Tj = Tbiv	2.64	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.33 kW	2.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.27	1.75
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	13 W	13 W

PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.41 kW	2.98 kW
Annual energy consumption Qhe	2080 kWh	2629 kWh
Pdh Tj = -15°C (if TOL	2.78	2.43
COP Tj = -15°C (if TOL	2.64	1.75
Cdh Tj = -15 °C	1.00	1.00

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	245 %	165 %
Prated	3.22 kW	4.02 kW
SCOP	6.20	4.20
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	3.22 kW	4.02 kW
COP Tj = +2°C	4.15	2.50
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.35 kW	2.66 kW
COP Tj = +7°C	5.66	3.58
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	2.82 kW	2.58 kW
COP Tj = 12°C	7.90	5.50
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	3.22 kW	4.02 kW
COP Tj = Tbiv	4.15	2.50
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.22 kW	4.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	4.15	2.50
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	13 W	13 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	694 kWh	1278 kWh
EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	3.88 kW	5.19 kW
SEER	4.69	6.94
Pdc Tj = 35°C	3.88 kW	5.19 kW
EER Tj = 35°C	3.25	4.13
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	2.64 kW	3.81 kW
EER Tj = 30°C	4.01	5.98
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.28 kW	3.11 kW
EER Tj = 25°C	5.41	8.34
Cdc Tj = 25 °C	0.969	0.965
Pdc Tj = 20°C	2.50 kW	3.27 kW
EER Tj = 20°C	6.97	10.65
Cdc Tj = 20 °C	0.963	0.957
Poff	14 W	14 W
PTO	13 W	13 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	496 kWh	449 kWh

Model HA 4-8.2 OS 230V B3 + HA 6-8.2 STB C2	
Model name	HA 4-8.2 OS 230V B3 + HA 6-8.2 STB C2
Application	Heating + DHW + low temp
Units	Indoor, Outdoor
Climate zone (for heating)	Colder, Warmer
Reversibility	Yes
Cooling mode application (optional)	+7°C/12°C, +18°C/+23°C
Any additional heat sources	n/a
General data	
Power supply	1x230V 50Hz
Off-peak product	n/a
Outdoor Air/Water	
EN 16147 | Average Climate	
Declared load profile	L
Efficiency ηDHW	141 %
COP	3.53
Heating up time	01:19 h:min
Standby power input	46.1 W
Reference hot water temperature	52.4 °C
Mixed water at 40°C	249 l
EN 16147 | Colder Climate	
Declared load profile	L
Efficiency ηDHW	121.4 %
COP	3.03
Heating up time	01:23 h:min
Standby power input	55.2 W
Reference hot water temperature	52.1 °C
Mixed water at 40°C	243 l
EN 16147 | Warmer Climate	
Declared load profile	L
Efficiency ηDHW	165.4 %
COP	4.14
Heating up time	02:21 h:min
Standby power input	38.3 W
Reference hot water temperature	52.2 °C
Mixed water at 40°C	247 l
EN 14511-4 | Heating	
Shutting off the heat transfer medium flow	passed
Complete power supply failure	passed

Defrost test	passed	
Starting and operating test	passed	

EN 14511-2 | Heating		
	Low temperature	Medium temperature
Heat output	3.54 kW	5.00 kW
El input	0.75 kW	1.78 kW
COP	4.71	2.81

EN 14511-2 | Cooling		
	+7°C/+12°C	+18°C/+23°C
El input	1.77 kW	1.30 kW
Cooling capacity	5.22	5.31
EER	2.95	4.08

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	171 %	121 %
Prated	3.44 kW	3.65 kW
SCOP	4.36	3.10
Tbiv	-7 °C	-7 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	3.05 kW	3.23 kW
COP Tj = -7°C	3.10	2.09
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.02 kW	2.09 kW
COP Tj = +2°C	4.27	3.00
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.41 kW	2.14 kW
COP Tj = +7°C	5.48	3.96
Cdh Tj = +7 °C	0.97	0.97
Pdh Tj = 12°C	2.76 kW	2.71 kW
COP Tj = 12°C	7.24	5.62
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	3.05 kW	3.23 kW
COP Tj = Tbiv	3.10	2.09
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.03 kW	2.75 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.81	1.75

Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	13 W	13 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.42 kW	0.90 kW
Annual energy consumption Qhe	1632 kWh	2431 kWh

EN 12102-1 | Colder Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Colder Climate

	Low temperature	Medium temperature
ηs	146 %	102 %
Prated	3.41 kW	2.98 kW
SCOP	3.72	2.63
Tbiv	-15 °C	-15 °C
TOL	-20 °C	-15 °C
Pdh Tj = -7°C	2.26 kW	1.95 kW
COP Tj = -7°C	3.31	2.30
Cdh Tj = -7 °C	1.00	1.00
Pdh Tj = +2°C	2.04 kW	1.86 kW
COP Tj = +2°C	4.35	3.25
Cdh Tj = +2 °C	0.97	0.98
Pdh Tj = +7°C	2.34 kW	2.22 kW
COP Tj = +7°C	5.63	4.35
Cdh Tj = +7 °C	0.96	0.97
Pdh Tj = 12°C	2.78 kW	2.65 kW
COP Tj = 12°C	7.10	5.79
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	2.78 kW	2.43 kW
COP Tj = Tbiv	2.53	1.69
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	2.33 kW	2.43 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.17	1.69
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	13 W	13 W

PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	3.41 kW	2.98 kW
Annual energy consumption Qhe	2256 kWh	2796 kWh
Pdh Tj = -15°C (if TOL	2.78	2.43
COP Tj = -15°C (if TOL	2.53	1.69
Cdh Tj = -15 °C	1.00	1.00

EN 12102-1 | Warmer Climate

	Low temperature	Medium temperature
Sound power level indoor	41 dB(A)	41 dB(A)
Sound power level outdoor	48 dB(A)	48 dB(A)

EN 14825 | Warmer Climate

	Low temperature	Medium temperature
ηs	220 %	153 %
Prated	3.22 kW	4.02 kW
SCOP	5.58	3.91
Tbiv	2 °C	2 °C
TOL	2 °C	2 °C
Pdh Tj = +2°C	3.22 kW	4.02 kW
COP Tj = +2°C	3.93	2.43
Cdh Tj = +2 °C	1.00	1.00
Pdh Tj = +7°C	2.35 kW	2.66 kW
COP Tj = +7°C	5.11	3.37
Cdh Tj = +7 °C	0.97	0.98
Pdh Tj = 12°C	2.82 kW	2.58 kW
COP Tj = 12°C	7.02	5.02
Cdh Tj = +12 °C	0.96	0.97
Pdh Tj = Tbiv	3.22 kW	4.02 kW
COP Tj = Tbiv	3.93	2.43
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	3.22 kW	4.02 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	3.93	2.43
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.00	1.00
WTOL	60 °C	60 °C
Poff	14 W	14 W
PTO	13 W	13 W
PSB	14 W	14 W
PCK	0 W	0 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW

Annual energy consumption Qhe	771 kWh	1372 kWh
EN 14825 | Cooling		
	+7°C/+12°C	+18°C/+23°C
Pdesignc	3.88 kW	5.19 kW
SEER	4.33	6.33
Pdc Tj = 35°C	3.88 kW	5.19 kW
EER Tj = 35°C	3.13	3.99
Cdc Tj = 35 °C	1.000	1.000
Pdc Tj = 30°C	2.64 kW	3.81 kW
EER Tj = 30°C	3.76	5.59
Cdc Tj = 30 °C	1.000	1.000
Pdc Tj = 25°C	2.28 kW	3.11 kW
EER Tj = 25°C	4.89	7.44
Cdc Tj = 25 °C	0.975	0.965
Pdc Tj = 20°C	2.50 kW	3.27 kW
EER Tj = 20°C	6.19	9.29
Cdc Tj = 20 °C	0.971	0.957
Poff	14 W	14 W
PTO	13 W	13 W
PSB	14 W	14 W
PCK	0 W	0 W
Annual energy consumption Qce	537 kWh	492 kWh