Subtype LA 60S-TU	
Certificate Holder	Glen Dimplex Deutschland GmbH
Address	Am Goldenen Feld 18
ZIP	D-95326
City	Kulmbach
Country	DE
Certification Body	VDE Prüf- und Zertifizierungsinstitut GmbH
Subtype title	LA 60S-TU
Registration number	40054224
Heat Pump Type	Outdoor Air/Water
Refrigerant	R407c
Mass of Refrigerant	15.7 kg
Certification Date	18.06.2024
Testing basis	DIN EN 14511-1:2019-07; EN 14511-1:2018, DIN EN 14511-2:2019-07; EN 14511-2:2018, DIN EN 14511-3:2019-07; EN 14511-3:2018, DIN EN 14511-4:2019-07; EN 14511-4:2018, DIN EN 14825:2019-07; EN 14825:2018, DIN EN 12102-1:2018-02; EN 12102-1:2017
Testing laboratory	VDE Prüf- und Zertifizierungsinstitut GmbH, DE

Model LA 60S-TU	
Model name	LA 60S-TU
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x400V 50Hz
Off-peak product	n/a

Outdoor Air/Water

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	35.40 kW	31.70 kW
El input	7.89 kW	10.00 kW
COP	4.48	3.16

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	154 %	130 %
Prated	36.00 kW	36.00 kW
SCOP	3.91	3.33
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	38.10 kW	38.10 kW
COP Tj = -7°C	3.02	2.41
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	27.50 kW	26.50 kW
COP Tj = +2°C	3.89	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	35.20 kW	33.80 kW
COP Tj = +7°C	4.79	4.19

Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	41.30 kW	39.70 kW
COP Tj = 12°C	5.41	4.76
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	35.60 kW	36.00 kW
COP Tj = Tbiv	2.85	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	35.60 kW	36.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.22
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	30 W	30 W
PTO	29 W	29 W
PSB	30 W	30 W
PCK	95 W	95 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	19007 kWh	16840 kWh

Model LA 60S-TUR	
Model name	LA 60S-TUR
Application	Heating (medium temp)
Units	Outdoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data	
Power supply	3x230V 50Hz
Off-peak product	n/a

Outdoor Air/Water	
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	35.40 kW	31.70 kW
El input	7.89 kW	10.00 kW
COP	4.48	3.16

EN 12102-1 | Average Climate		
	Low temperature	Medium temperature
Sound power level outdoor	72 dB(A)	72 dB(A)

EN 14825 | Average Climate		
	Low temperature	Medium temperature
ηs	157 %	133 %
Prated	36.00 kW	36.00 kW
SCOP	4.01	3.40
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	38.10 kW	39.00 kW
COP Tj = -7°C	3.02	2.41
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	27.50 kW	26.50 kW
COP Tj = +2°C	3.89	3.30
Cdh Tj = +2 °C	1.000	1.000
Pdh Tj = +7°C	35.20 kW	33.80 kW

COP Tj = +7°C	4.79	4.19
Cdh Tj = +7 °C	1.000	1.000
Pdh Tj = 12°C	41.30 kW	39.70 kW
COP Tj = 12°C	5.41	4.76
Cdh Tj = +12 °C	1.000	1.000
Pdh Tj = Tbiv	35.60 kW	36.00 kW
COP Tj = Tbiv	2.85	2.22
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	35.60 kW	35.00 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.85	2.22
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	30 W	30 W
PTO	29 W	29 W
PSB	30 W	30 W
PCK	95 W	95 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	18548 kWh	16564 kWh