Subtype LA 35TBS

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 35TBS
Registration number	40054223
Heat Pump Type	Outdoor Air/Water
Refrigerant	R407c
Mass of Refrigerant	5.6 kg
Certification Date	28.02.2025
Testing basis	DIN EN 14511-1:2023-08; EN 14511-1:2022 ;DIN EN 14511-2:2023-08; EN 14511-2:2022; DIN EN 14511-3:2023-12; EN 14511-3:2022; DIN EN 14511-4:2023-08; EN 14511-4:2022; DIN EN 14825:2023-10; EN 14825:2022; DIN EN 12102-1:2023-11; EN 12102-1:2022
Testing laboratory	VDE Prüf- und Zertifizierungsinstitut GmbH, DE

Model LA 35TBS	
Model name	LA 35TBS
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	17.60 kW	17.40 kW
El input	4.07 kW	5.58 kW
COP	4.33	3.11

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level outdoor	63 dB(A)	63 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
ηs	152 %	125 %
Prated	20.70 kW	20.70 kW
SCOP	3.87	3.21
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	21.80 kW	22.20 kW
COP Tj = -7°C	3.02	2.36
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	14.30 kW	14.10 kW
COP Tj = +2°C	3.88	3.22
Cdh Tj = +2 °C	0.990	1.000
Pdh Tj = +7°C	18.00 kW	17.60 kW
COP Tj = +7°C	4.79	3.95

Cdh Tj = +7 °C	0.990	1.000
Pdh Tj = 12°C	21.90 kW	21.30 kW
COP Tj = 12°C	5.72	4.93
Cdh Tj = +12 °C	0.990	1.000
Pdh Tj = Tbiv	20.50 kW	20.60 kW
COP Tj = Tbiv	2.90	2.17
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	20.50 kW	20.60 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.90	2.17
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	60 °C	60 °C
Poff	20 W	20 W
PTO	20 W	20 W
PSB	20 W	20 W
PCK	88 W	88 W
Supplementary Heater: Type of energy input	Electricity	Electricity
Supplementary Heater: PSUP	0.00 kW	0.00 kW
Annual energy consumption Qhe	11198 kWh	13342 kWh