

Subtype QE-6

Certificate Holder	Qvantum Energi AB
Address	Ji-te gatan 7
ZIP	265 38
City	Åstorp
Country	SE
Certification Body	RISE CERT
Subtype title	QE-6
Registration number	012-C700372
Heat Pump Type	Exhaust Air/Water
Refrigerant	R513A
Mass of Refrigerant	1.35 kg
Certification Date	11.07.2025
Testing basis	EN 14511:2022, EN 14825:2022, EN 16147:2017+A1:2022, EN 12102:2022
Testing laboratory	Danish Technological Institute (DTI), DK

Model QE-6 1x230V

Model name	QE-6 1x230V
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	1x230V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	103 %
COP	2.56
Heating up time	3.52 h:min
Standby power input	59.1 W
Reference hot water temperature	40.6 °C
Mixed water at 40°C	236 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	5.46 kW	5.40 kW
El input	2.48 kW	3.09 kW
COP	2.20	1.75

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	151 %	126 %
Prated	5.50 kW	5.50 kW

SCOP	3.84	3.23
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.92 kW	4.75 kW
COP Tj = -7°C	2.41	2.04
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.91 kW	2.87 kW
COP Tj = +2°C	3.92	3.23
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	1.88 kW	1.92 kW
COP Tj = +7°C	5.09	4.48
Cdh Tj = +7 °C	0.980	0.980
Pdh Tj = 12°C	1.51 kW	1.56 kW
COP Tj = 12°C	5.60	5.72
Cdh Tj = +12 °C	0.980	0.980
Pdh Tj = Tbiv	5.46 kW	5.40 kW
COP Tj = Tbiv	2.20	1.75
Pdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	5.46 kW	5.40 kW
COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.75
Rated airflow rate	235 m³/h	235 m³/h
Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	0.980	0.980
WTOL	58 °C	58 °C
Poff	2 W	2 W
PTO	5 W	5 W
PSB	5 W	5 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	2958 kWh	3516 kWh

Model QE-6 3x400V

Model name	QE-6 3x400V
Application	Heating + DHW + low temp
Units	Indoor
Climate zone (for heating)	n/a
Reversibility	Yes
Cooling mode application (optional)	n/a
Any additional heat sources	n/a

General data

Power supply	3x400V 50Hz
Off-peak product	No

Exhaust Air/Water

EN 16147 | Average Climate

Declared load profile	XL
Efficiency η_{DHW}	103 %
COP	2.56
Heating up time	3.52 h:min
Standby power input	59.1 W
Reference hot water temperature	40.6 °C
Mixed water at 40°C	236 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	5.46 kW	5.40 kW
El input	2.48 kW	3.09 kW
COP	2.20	1.75

EN 12102-1 | Average Climate

	Low temperature	Medium temperature
Sound power level indoor	42 dB(A)	42 dB(A)

EN 14825 | Average Climate

	Low temperature	Medium temperature
η_s	151 %	126 %
Prated	5.50 kW	5.50 kW

SCOP	3.84	3.23
Tbiv	-10 °C	-10 °C
TOL	-10 °C	-10 °C
Pdh Tj = -7°C	4.92 kW	4.75 kW
COP Tj = -7°C	2.41	2.04
Cdh Tj = -7 °C	1.000	1.000
Pdh Tj = +2°C	2.91 kW	2.87 kW
COP Tj = +2°C	3.92	3.23
Cdh Tj = +2 °C	0.990	0.990
Pdh Tj = +7°C	1.88 kW	1.92 kW
COP Tj = +7°C	5.09	4.48
Cdh Tj = +7 °C	0.980	0.980
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COP Tj = 12°C	5.60	5.72
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COP Tj = TOL or COP Tj = Tdesignh if TOL < Tdesignh	2.20	1.75
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Cdh Tj = TOL or Pdh Tj = Tdesignh if TOL < Tdesignh	1.000	1.000
WTOL	58 °C	58 °C
Poff	2 W	2 W
PTO	5 W	5 W
PSB	5 W	5 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	2958 kWh	3516 kWh