



Quantum RSe

Technical data



Addendum

QAD EN 2536-A
D100002

1 Q32 – Q81RS^e

SPECIFICATION		Q32	Q41	Q48	Q65	Q81
Heating capacity according to EN14511						
Heating capacity 0°C/35°C	kW	31.3	38.1	44.7	57.1	67.1
Heating capacity 10°C/35°C	kW	44.7	54.5	63.9	81.7	95.9
Heating capacity 0°C/45°C	kW	29.2	35.5	41.9	53.3	62.8
Heating capacity 10°C/45°C	kW	40.9	49.8	58.5	74.7	87.7
Heating capacity 0°C/65°C	kW	27.2	33.0	39.1	49.6	58.7
Heating capacity 10°C/65°C	kW	36.1	43.8	51.7	65.8	77.6
COP 0°C/35°C		4.4	4.4	4.3	4.4	4.3
COP 10°C/35°C		6.0	6.1	5.9	6.0	5.9
COP 0°C/45°C		3.4	3.4	3.4	3.4	3.4
COP 10°C/45°C		4.6	4.7	4.5	4.6	4.5
SCOP according to EN14825						
SCOP average climate, 35°C/55°C		4.79/3.73	4.86/3.78	4.73/3.70	4.86/3.78	4.73/3.70
SCOP colder climate, 35°C/55°C		4.87/3.88	4.93/3.92	4.80/3.88	4.93/3.92	4.80/3.88
Energy efficiency class						
Energy efficiency class , space heating, 35°C/55°C		A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Condenser						
Condenser flow rate (ΔT=7K, 0°C/45°C)	l/s	0.99	1.21	1.43	1.81	2.14
Condenser flow rate (ΔT=10K, 10°C/45°C)	l/s	0.97	1.19	1.39	1.78	2.09
Pressure drop condenser (0°C/45°C)	kPa	11.0	13.0	15.0	27.0	24.0
Pressure drop condenser (10°C/45°C)	kPa	11.0	13.0	15.0	27.0	24.0
Maximum operating pressure		PN10	PN10	PN10	PN10	PN10
Max operating temperature	°C	74.0	74.0	74.0	74.0	74.0
Connection size condenser	mm	Cu35.0	Cu35.0	Cu35.0	Cu42.0	Cu54.0
Evaporator						
Evaporator flow rate (ΔT=3K, 0°C/45 °C)	l/s	1.79	2.18	2.55	3.28	3.83
Evaporator flow rate (ΔT=5K, 10°C/45 °C)	l/s	1.65	2.01	2.35	3.01	3.52
Pressure drop evaporator (0°C/45°C)	kPa	32.0	26.0	32.0	35.0	39.0
Pressure drop evaporator (10°C/45°C)	kPa	21.0	18.0	22.0	24.0	26.0
Maximum operating pressure		PN10	PN10	PN10	PN10	PN10
Temperature evaporator inlet (Min/Max) ¹	°C	-10/25	-10/25	-10/25	-10/25	-10/25
Connection size evaporator	mm	Cu35.0	Cu35.0	Cu35.0	Cu42.0	Cu54.0
Dimensions						
Weight	kg	294	345	368	506	525
Length	mm	1200	1200	1200	1500	1500
Width	mm	640	640	640	640	640
Height	mm	1665	1665	1665	1410	1410
Compressor Fully hermetic scroll						
No. compressors / No. refrigerant circuits	pcs/pcs	2/1	2/1	2/1	3/1	3/1
Refrigerant (GWP) R513A (631)						
Amount of refrigerant / CO ₂ (e)	kg/tons	3.9/2.46	4.5/2.84	4.6/2.90	7.07/4.42	8.1/5.11
Sound levels						
Sound pressure level, measured at 1 m distance	dB(A)	47	47	47	50	50
Power supply						
Nominal voltage	V-ph-Hz	400-3N-50	400-3N-50	400-3N-50	400-3N-50	400-3N-50
Electric power						
Electric power 0°C/35°C	kW	7.2	8.6	10.4	12.9	15.6
Electric power 0°C/45°C	kW	8.2	10.0	12.0	15.0	18.0
Electric consumption						
Maximum electric consumption	A	26.4	32.0	37.4	48.0	56.1
Recommended fuse	A	35	50	50	63	80

¹ Brine type = Bioethanol 29%

QAD EN 2536-A



D100002

This publication presents information that was valid at the time of publishing.
Quantum reserves the right to make changes without prior notification.
Subject to possible printing errors.
©2025 Quantum Energi AB

HEAT PUMPS FOR SUSTAINABLE CITIES

WE CHANGE THE WAY THE CITIES OF EUROPE ARE HEATED

Quantum, founded in Sweden in 1993, develops high-quality heat pumps for individual buildings and innovative heat pump-based solutions for densely populated areas to enable everybody to benefit from emission free heating and cooling. The company has deep knowledge in both heat pump technology and energy systems engineering and works in close collaboration with engineering consultants, installers, project developers and utilities.

Quantum Energi AB

Ji-te gatan 7, 265 38 Åstorp – Sweden | quantum.com



Q V A N T U M