



SERIES VS – TECHNICAL DATA

Specification		Q25VS	Q32VS	Q48VS	Q65VS
Heating Capacity according to EN14511-3:2013.					
Heating Capacity (Max @ 0°C/45°C)*	kW	11,5	15,5	23,3	31,7
Heating Capacity (Max @ 0°C/45°C)**	kW	18,6	26,6	39,8	51,9
Heating Capacity (Max @ 12°C/45°C)*	kW	18,6	23,6	37,8	48,9
Heating Capacity (Max @ 12°C/45°C)**	kW	27,3	40,8	61,0	79,4
Heating Capacity (Min @ 0°C/45°C)*	kW	4,3	5,2	7,0	9,9
Heating Capacity (Min @ 0°C/45°C)**	kW	5,8	9,0	12,3	16,4
Heating Capacity (Min @ 12°C/45°C)*	kW	5,7	7,9	11,3	15,1
Heating Capacity (Min @ 12°C/45°C)**	kW	9,0	13,7	19,2	24,8
COP 0°C/35°C	-	-	-	-	-
COP 0°C/45°C	-	-	-	-	-
SCOP _{EN14825} average climate	0°C/35°C	3,83	3,86	3,87	3,79
SCOP _{EN14825} average climate	0°C/55°C	3,18	3,33	3,24	3,24
ErP rating	0°C/35°C	A++	A++	A++	A+
ErP rating	0°C/55°C	A+	A++	A+	A+
Condensator					
Condensator flow rate (ΔT=10°K, 0°C/45°C)*	l/s	0,28	0,37	0,56	0,76
Condensator flow rate (ΔT=10°K, 0°C/45°C)**	l/s	0,44	0,64	0,95	1,24
Condensator flow rate (ΔT=10°K, 12°C/45°C)*	l/s	0,44	0,56	0,90	1,17
Condensator flow rate (ΔT=10°K, 12°C/45°C)**	l/s	0,65	0,98	1,46	1,90
Pressure drop condensator*	kPa	6,0	7,0	8,0	8,0
Pressure drop condensator**	kPa	8,0	9,0	10,0	10,0
Max operating temperature**	°C	65,0	65,0	65,0	65,0
Max operating temperature**	°C	55,0	55,0	55,0	55,0
Temperature difference (Min/Max)	°K	3 / 10	3 / 10	3 / 10	3 / 10
Connection size condensator	mm	Cu35.0	Cu35.0	Cu42.0	Cu42.0
Evaporator					
Evaporator rate (ΔT=5°K, 0°C/45°C)*	l/s	0,40	0,55	0,81	1,11
Evaporator rate (ΔT=5°K, 0°C/45°C)**	l/s	0,65	0,94	1,41	1,82
Evaporator rate (ΔT=5°K, 12°C/45°C)*	l/s	0,74	0,93	1,46	1,93
Evaporator rate (ΔT=5°K, 12°C/45°C)**	l/s	1,09	1,58	2,38	3,02
Pressure drop evaporator	kPa	22,0	25,0	31,0	27,0
Temperature evaporator inlet (Min/Max)*	°C	-	-	-	-
Temperature difference (Min/Max)	°K	5 / 1,5	5 / 2,0	5 / 1,5	5 / 1,5
Connection size evaporator	mm	Cu35.0	Cu35.0	Cu42.0	Cu42.0
Dimensions					
Weight	kg	176	182	207	282
Length	mm	600	1 200	1 200	1 200
Width	mm	640	640	640	640
Height	mm	1 665	1 665	1 665	1 665
Compressor					
Fully hermetic piston					
No. Compressors	pcs	1	1	1	1
No. refrigerant circuits	pcs	1	1	1	1
Refrigerant					
R-134a or R-407C					
Amount of refrigerant	kg	2,3	2,8	3,5	5,5
GWP (AR5)*		1 300	1 300	1 300	1 300
GWP (AR5)**		1 624	1 624	1 624	1 624
CO ₂ (e)*	tons	2,99	3,64	4,55	7,15
CO ₂ (e)**	tons	3,74	4,55	5,68	8,93
Sound levels (L_{WA}) according to EN12102:2013.					
Sound power level	dB(A)	50	54	57	63
Power supply					
Nominal voltage	V-ph-Hz	400-3-50	400-3-50	400-3-50	400-3-50
f _r max/min	Hz	90 / 30	85 / 30	90 / 30	90 / 30
Frequency converter		Air cooled	Air cooled	Air cooled	Air cooled
Electric power					
Maximum electric power	kW	3,9	5	8	10,6
Electricity consumption					
Maximum electricity consumption	A	17,5	21,8	31,6	41,0
Recommended fuse	A	25	25	35	50
Appearance					
Color side plates		White	White	White	White
Color stand		Galvanized	Galvanized	Galvanized	Galvanized

*Refrigerant: R-134a

**Refrigerant: R-407C