



SERIES VK – TECHNICAL DATA

Specification		Q25VK	Q32VK	Q48VK	Q65VK
Heating Capacity according to EN14511-3:2013.					
Heating Capacity (Max @ 10°C/45°C)*	kW	17,8	22,7	36,6	47,1
Heating Capacity (Max @ 10°C/45°C)**	kW	27,1	39,5	59,2	77,0
Heating Capacity (Min @ 10°C/45°C)*	kW	5,5	7,6	10,8	14,6
Heating Capacity (Min @ 10°C/45°C)**	kW	8,7	13,3	18,5	24,0
COP 0°C/35°C		-	-	-	-
COP 0°C/45°C		-	-	-	-
SCOP _{EN14825} average climate	0°C/35°C	4,95	4,52	4,62	4,37
SCOP _{EN14825} average climate	0°C/55°C	3,91	3,80	3,85	3,72
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, 10°C/45°C)*	l/s	0,42	0,54	0,87	1,12
Condensator flow rate (ΔT=10°K, 10°C/45°C)**	l/s	0,65	0,94	1,41	1,83
Pressure drop condensator*	kPa	16,0	18,0	20,0	20,0
Pressure drop condensator**	kPa	25,0	26,0	28,0	28,0
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, 10/45)*	l/s	0,63	0,8	1,25	1,65
Evaporator rate (ΔT=5°K, 10/45)**	l/s	0,90	1,38	2,07	2,63
Pressure drop evaporator*	kPa	33,0	29,0	34,0	29,0
Pressure drop evaporator**	kPa	42,0	44,0	45,0	55,0
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 _{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	4,6	6	10,4	12,4
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