

## SERIES RS<sup>e</sup> – TECHNICAL DATA

Specification		Q15RS <sup>e</sup>	Q17RS <sup>e</sup>	Q21RS <sup>e</sup>	Q25RS <sup>e</sup>	Q32RS <sup>e</sup>	Q41RS <sup>e</sup>	Q48RS <sup>e</sup>	Q65RS <sup>e</sup>	Q81RS <sup>e</sup>
<b>Heating capacity according to EN14511-3:2013.</b>										
Heating Capacity 0°C/35°C	kW	12,0	15,6	19,0	22,4	31,3	38,1	44,7	57,1	67,1
Heating Capacity 10°C/35°C	kW	17,4	22,4	27,2	32,0	44,7	54,5	3,9	81,7	95,9
Heating Capacity 0°C/45°C	kW	11,3	14,6	17,8	20,9	29,2	35,5	41,9	53,3	62,8
Heating Capacity 10°C/45°C	kW	16,0	20,4	24,9	29,2	40,9	49,8	58,5	74,7	87,7
Heating Capacity 0°C/65°C	kW	10,9	13,6	16,5	19,6	27,2	33,0	39,1	49,6	58,7
Heating Capacity 10°C/65°C	kW	14,4	18,0	21,9	25,9	36,1	43,8	51,7	65,8	77,6
COP 0°C/35°C		4,2	4,4	4,4	4,3	4,4	4,4	4,3	4,4	4,3
COP 10°C/35°C		6,1	6,0	6,1	5,9	6,0	6,1	5,9	6,0	5,9
COP 0°C/45°C		3,2	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4
COP 10°C/45°C		4,6	4,6	4,7	4,5	4,6	4,7	4,5	4,6	4,5
SCOP <sub>EN14825</sub> average climate	0°C/35°C	4,59	4,79	-	-	-	-	-	-	-
SCOP <sub>EN14825</sub> average climate	0°C/55°C	3,55	-	-	-	-	-	-	-	-
ErP rating	0°C/35°C	A+++	-	-	-	-	-	-	-	-
ErP rating	0°C/55°C	A++	-	-	-	-	-	-	-	-
<b>Condensor</b>										
Condensor flow rate (ΔT=7°K, 0°C/45°C)	l/s	0,38	0,50	0,61	0,71	0,99	1,10	1,43	1,81	2,14
Condensor flow rate (ΔT=7°K, 10°C/45°C)	l/s	0,55	0,70	0,85	1,00	1,40	1,70	2,00	2,55	3,00
Pressure drop condensor (0°C/45°C)	kPa	7,0	8,0	9,0	9,0	11,0	13,0	15,0	27,0	24,0
Pressure drop condensor (10°C/45°C)	kPa	7,0	8,0	9,0	9,0	11,0	13,0	15,0	27,0	24,0
Max operating temperature	°C	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0	74,0
Connection size condensor		Cu28.0	Cu28.0	Cu35.0	Cu35.0	Cu35.0	Cu35.0	Cu35.0	Cu42.0	Cu54.0
<b>Evaporator</b>										
Evaporator flow rate (ΔT=3°K, 0°C/45°C)	l/s	0,68	0,89	1,09	1,28	1,79	2,18	2,55	3,28	3,83
Evaporator flow rate (ΔT=5°K, 10°C/45°C)	l/s	0,82	1,01	1,21	1,17	1,65	2,01	2,35	3,01	3,52
Pressure drop evaporator (0°C/45°C)	kPa	24,0	23,0	30,0	26,0	32,0	26,0	32,0	35,0	39,0
Pressure drop evaporator (10°C/45°C)	kPa	16,0	15,0	20,0	18,0	21,0	18,0	22,0	24,0	26,0
Temperature evaporator inlet (Min/Max)*	°C	5 / 40	5 / 40	5 / 40	5 / 40	5 / 40	5 / 40	5 / 40	5 / 40	5 / 40
Temperature evaporator inlet (Min/Max)**	°C	-10 / 25	-10 / 25	-10 / 25	-10 / 25	-10 / 25	-10 / 25	-10 / 25	-10 / 25	-10 / 25
Temperature difference (Min/Max)	°K	3 / 10	3 / 10	3 / 10	3 / 10	3 / 10	3 / 10	3 / 10	3 / 10	3 / 10
Connection size evaporator		Cu28.0	Cu28.0	Cu35.0	Cu35.0	Cu35.0	Cu35.0	Cu35.0	Cu42.0	Cu54.0
<b>Dimensions</b>										
Weight	kg	172	178	186	226	294	345	368	506	525
Length	mm	600	600	600	600	1 200	1 200	1 200	1 200	1 200
Width	mm	640	640	640	640	640	640	640	640	640
Height	mm	1 665	1 665	1 665	1 665	1 665	1 665	1 665	1 665	1 665
<b>Compressor</b>										
		Fully hermetic scroll								
No. Compressors	pcs	1	1	1	1	2	2	2	3	3
No. refrigerant circuits	pcs	1	1	1	1	1	1	1	1	1
<b>Refrigerant</b>										
		R-513A								
Amount of refrigerant	kg	1,8	2,2	2,7	3,0	3,9	4,5	4,6	7,0	8,1
GWP (ARS)		573	573	573	573	573	573	573	573	573
CO <sub>2</sub> (e)	tons	1,03	1,26	1,55	1,72	2,23	2,58	2,64	4,01	4,64
<b>Sound levels (L<sub>WA</sub>) according to EN12102:2013.</b>										
Sound power level	dB(A)	47,0	47,0	47,0	47,0	47,0	47,0	47,0	50,0	50,0
<b>Power supply</b>										
Nominal voltage	V-ph-Hz	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50
<b>Electric power</b>										
Electric power 0/35	kW	2,4	2,9	3,5	4,0	5,8	7,0	8,5	11,6	14,0
Electric power 0/45	kW	3,1	3,7	4,3	5,0	7,3	8,7	10,6	14,6	17,4
<b>Electricity consumption</b>										
Maximum electricity consumption	A	10,1	12,7	15,4	17,9	25,4	30,8	35,8	46,2	53,7
Recommended fuse	A	16	16	20	25	35	50	50	63	63
<b>Appearance</b>										
Color side plates		White	White	White	White	White	White	White	White	White
Color stand		Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized

\*Version with water as brine

\*\*Version with brine bioetanol 29% as cold carrier