

SERIES LB – TECHNICAL DATA

Specification		Q15LB ³	Q17LB ³	Q21LB ³	Q25LB ³	Q32LB ³	Q41LB ³	Q48LB ³	Q65LB ³	Q81LB ³	Q96LB ³	Q123LB/2	Q144LB/2	Q162LB/2	Q192LB/2	
Heating Capacity according to EN14511-3:2013.																
Heating Capacity 7°C/35°C ¹⁾	kW	11,6	14,2	17,4	20,1	29,1	34,4	41,3	56,9	67,5	80,8	103,4	123,9	137,9	165,2	
Heating Capacity 7°C/45°C ¹⁾	kW	11,8	14,0	17,2	19,9	28,7	34,1	40,8	57,5	68,1	81,6	102,2	122,4	136,2	163,2	
Heating Capacity 2°C/45°C ¹⁾	kW	10,4	12,5	15,1	17,5	25,3	29,9	35,8	49,5	58,5	70,1	89,7	107,4	119,6	143,3	
Heating Capacity -5°C/65°C ¹⁾	kW	10,6	12,1	14,4	16,7	24,3	28,7	34,4	47,6	56,3	67,4	86,2	103,3	115,0	137,7	
COP 7°C/35°C		4,8	4,9	5,1	5,1	5,0	4,9	4,8	4,9	4,8	4,7	4,9	4,8	4,9	4,8	
COP 7°C/45°C		3,9	3,9	4,0	4,0	4,0	3,9	3,8	4,0	3,9	3,8	3,9	3,8	4,0	3,9	
SCOP _{EN14825} average climate	0°C/35°C	4,1	4,1	4,3	4,3	4,3	4,2	4,1	4,3	4,2	-	-	-	-	-	
SCOP _{EN14825} average climate	0°C/55°C	3,7	3,8	4,0	4,0	4,0	3,9	3,9	4,0	3,9	-	-	-	-	-	
ErP rating	0°C/35°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	-	-	-	-	-	
ErP rating	0°C/55°C	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	-	-	-	-	-	
Condensator																
Condensator flow rate (ΔT=7°K, 7°C/45°C)	l/s	0,40	0,48	0,58	0,68	0,98	1,16	1,39	1,96	2,32	2,78	3,48	4,16	4,63	5,55	
Pressure drop condensator	kPa	21,0	22,0	23,0	22,0	25,0	29,0	25,0	17,0	19,0	18,0	15,0	15,0	18,0	23,0	
Max operating temperature	°C	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	65,0	
Min outdoor temperature at +65°C	°C	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	
Connection size condensator	mm	Cu28.0	Cu28.0	Cu35.0	Cu35.0	Cu35.0	Cu35.0	Cu42.0	Cu42.0	Cu54.0	Cu54.0	Cu54.0	Cu54.0	DN65 ext thread	DN65 ext thread	
Evaporator																
Evaporator flow rate (ΔT=3°K, 7°C/45°C)	l/s	0,73	0,86	1,10	1,20	1,80	2,10	2,50	3,60	4,20	5,00	5,42	6,44	7,20	9,20	
Brine volume (25 m distance, defrosting tank & fan unit)	liters	143,0	150,0	160,0	165,0	195,0	235,0	290,0	300,0	320,0	350,0	-	-	-	-	
Pressure drop evaporator	kPa	-	-	-	-	-	-	-	-	-	-	30,0	32,0	42,0	54,0	
Connection size evaporator	mm	Cu28.0	Cu28.0	Cu35.0	Cu35.0	Cu35.0	Cu35.0	Cu42.0	Cu42.0	Cu54.0	Cu54.0	Cu54.0	DN65 int thread	DN65 ext thread	DN65 ext thread	
Dimensions Indoor Compressor Unit																
Weight	kg	197	201	210	255	257	270	294	345	355	410	590	610	690	710	
Length	mm	600	600	600	600	1 200	1 200	1 200	2 100	2 100	2 100	1 500	1 500	2 100	2 100	
Width	mm	640	640	640	640	640	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	1 410	1 410	1 410	1 410	1 410	1 410	1 430	
Dimensions Outdoor Fan Unit																
Weight	kg	123	123	94	185	222	264	298	419	419	545	553	730	753	1327	
Width	mm	1 393	1 393	1 895	2 393	2 523	2 523	2 610	4 152	4 152	6 001	3 450	4 736	4 950	7 950	
Depth	mm	1 110	1 110	905	1 110	1 221	1 541	1 541	1 540	1 540	1 540	2 265	2 345	2 265	2 265	
Height	mm	1 270	1 270	1 070	1 270	1 350	1 350	1 385	1 375	1 375	1 375	1 580	1 540	1 580	1 580	
Compressor																
		Fully hermetic scroll														
No. Compressors	pcs	1	1	1	1	1	1	1	2	2	2	3	3	4	4	
No. refrigerant circuits	pcs	1	1	1	1	1	1	1	1	1	1	1	1	2	2	
Refrigerant																
		R-407C														
Amount of refrigerant	kg	1,3	1,3	1,4	2,3	2,8	3,3	3,8	5,6	6,6	7,6	9,0	14,0	16,0	19,0	
GWP (AR5)		1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	1 624	
CO ₂ (e)	tons	2,11	2,11	2,27	3,74	4,55	5,36	6,17	9,09	10,72	12,34	14,62	22,74	25,98	30,86	
Outdoor Fan Unit																
No. Fans	pcs	1	1	2	2	1	1	1	2	2	3	4	4	6	6	
Air volume	m ³ /s	2,23	2,23	2,80	3,10	3,41	3,56	3,70	6,89	6,89	9,9	13,18	13,42	18,8	18,45	
Sound levels (L_{WA}) according to EN12102:2013.																
Sound power level	dBA	39,0	39,0	38,0	34,0	34,0	34,0	37,0	35,0	35,0	36,0	36,0	37,0	37,0	31,0	
Power supply																
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	400-3-50	400-3-50	400-3-50	400-3-50	400-3-50	
Nominal voltage fans	V-ph-Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	
Electricity consumption																
Maximum electricity consumption	A	6,9	11,0	13,9	15,8	20,5	24,9	31,6	42,0	51,2	65,3	78,3	97,6	121,0	156,0	
Recommended fuse	A	16,0	16,0	20,0	20,0	25,0	35,0	50,0	63,0	80,0	100,0	100,0	125,0	160,0	200,0	
Appearance																
Color side plates		White	White	White	White	White	White	White	White	White	White	White	White	White	White	
Color stand		Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	Galvanized	

¹⁾ Total heat output condenser and subcooler.