

Capacity Table

Liquid line Capacity

CT. 38°C / ET. 5°C / SC. 0K

Catalog No.	Capacity (U.S.R.T. {kw})							
	R134a				R404A			
	Pressure Drop (MPa)							
	0.01	0.015	0.02	0.04	0.01	0.015	0.02	0.04
REV-703BY REV-703DY REV-703BX REV-703DX	3.4 {12}	4.2 {15}	4.9 {17}	6.9 {24}	2.4 {8.4}	2.9 {10}	3.4 {12}	4.8 {17}
REV-104BY REV-103GY REV-104DY REV-1004BX REV-1003GX REV-1004DX	6.9 {24}	8.4 {30}	9.7 {34}	14 {48}	4.8 {17}	5.8 {21}	6.8 {24}	9.6 {34}
REV-1205BY REV-1204GY REV-1205DY REV-1205BX REV-1204GX REV-1205DX	12 {42}	15 {52}	17 {60}	24 {85}	8.4 {29}	10 {36}	12 {42}	17 {59}
REV-1506BY REV-1506GY REV-1506DY REV-1506BX REV-1506GX REV-1506DX	18 {64}	22 {78}	26 {91}	36 {128}	13 {45}	16 {55}	18 {63}	25 {89}
REV-2007DY REV-2010DY REV-2011DY REV-2007DX REV-2010DX REV-2011DX REV-20006EX	31 {109}	38 {133}	44 {154}	62 {218}	21 {76}	26 {93}	30 {107}	43 {151}
REV-2511DX REV-2512DX REV-2513DX	47 {167}	58 {204}	67 {236}	95 {334}	33 {116}	40 {142}	47 {164}	66 {232}
REV-3213DX REV-3214DX REV-3215DX	67 {235}	82 {287}	94 {332}	133 {469}	46 {163}	57 {200}	66 {230}	93 {326}
REV-4014EX	110 {387}	135 {474}	156 {547}	220 {774}	76 {269}	94 {329}	108 {380}	153 {537}
REV-5020EX	155 {544}	189 {666}	219 {769}	309 {1088}	107 {378}	132 {463}	152 {534}	215 {756}
REV-6524EX REV-6530EX	254 {894}	311 {1096}	360 {1265}	509 {1789}	177 {621}	216 {761}	250 {879}	353 {1243}

*Based on condensing temp. 38°C, evaporating temp. -5°C, sub-cooling 0°C. In case the conditions is different, the value is multiplied by the correction factor in the table.

Liquid line Capacity

CT. 38°C / ET. 5°C / SC. 0K

Catalog No.	Capacity (U.S.R.T. {kw})							
	R407C				R410A			
	Pressure Drop (MPa)							
	0.01	0.015	0.02	0.04	0.01	0.015	0.02	0.04
REV-703BY REV-703DY	0.28 {1.0}	3.5 {12}	4.9 {17}	7.0 {24}	3.5 {12}	4.2 {15}	4.9 {17}	6.9 {24}
REV-104BY REV-103GY REV-104DY	0.57 {2.0}	7.0 {24}	9.8 {35}	14 {49}	6.9 {24}	8.5 {30}	10 {34}	14 {49}
REV-1205BY REV-1204GY REV-1205DY	1.0 {3.5}	12 {43}	17 {61}	24 {86}	12 {43}	15 {52}	17 {60}	24 {85}
REV-1506BY REV-1506GY REV-1506DY	1.5 {5.3}	18 {65}	26 {92}	37 {130}	18 {65}	22 {79}	26 {91}	37 {129}
REV-2007DY REV-2010DY REV-2011DY	2.6 {9.0}	31 {110}	44 {156}	63 {220}	31 {110}	38 {134}	44 {155}	62 {219}

Catalog No.	Capacity (U.S.R.T. {kw})							
	R448A				R449A			
	Pressure Drop (MPa)							
	0.01	0.015	0.02	0.04	0.01	0.015	0.02	0.04
REV-703BY REV-703DY	3.2 {11}	3.9 {14}	4.5 {16}	6.4 {22}	3.2 {11}	3.9 {14}	4.5 {16}	6.3 {22}
REV-104BY REV-103GY REV-104DY	6.4 {22}	7.8 {28}	9.0 {32}	13 {45}	6.3 {22}	7.7 {27}	8.9 {31}	13 {44}
REV-1205BY REV-1204GY REV-1205DY	11 {39}	14 {48}	16 {56}	22 {79}	11 {39}	14 {48}	16 {55}	22 {78}
REV-1506BY REV-1506GY REV-1506DY	17 {60}	21 {73}	24 {84}	34 {119}	17 {59}	20 {72}	24 {83}	33 {117}
REV-2007DY REV-2010DY REV-2011DY	29 {101}	35 {124}	41 {143}	58 {202}	28 {100}	35 {122}	40 {141}	57 {199}

*Based on condensing temp. 38°C, evaporating temp. -5°C, sub-cooling 0°C. In case the conditions is different, the value is multiplied by the correction factor in the table.

Liquid line Capacity

CT. 38°C / ET. 5°C / SC. 0K

Catalog No.	Capacity (U.S.R.T. {kw})							
	R407H				R463A-J			
	Pressure Drop (MPa)							
	0.01	0.015	0.02	0.04	0.01	0.015	0.02	0.04
REV-703BY REV-703DY	3.7 {13}	4.5 {16}	5.3 {18}	7.4 {26}	3.4 {12}	4.1 {15}	4.8 {17}	6.7 {24}
REV-104BY REV-103GY REV-104DY	7.4 {26}	9.1 {32}	11 {37}	15 {52}	6.7 {24}	8.3 {29}	9.5 {34}	13 {47}
REV-1205BY REV-1204GY REV-1205DY	13 {46}	16 {56}	18 {65}	26 {91}	12 {42}	14 {51}	17 {59}	24 {83}
REV-1506BY REV-1506GY REV-1506DY	20 {69}	24 {85}	28 {98}	39 {138}	18 {63}	22 {77}	25 {89}	36 {126}
REV-2007DY REV-2010DY REV-2011DY	33 {118}	41 {144}	47 {166}	67 {235}	30 {107}	37 {131}	43 {151}	61 {213}

*Based on condensing temp. 38°C, evaporating temp. -5°C, sub-cooling 0°C. In case the conditions is different, the value is multiplied by the correction factor in the table.

Evaporating temperature correction factor

Evaporating Temp. (°C)	Correction factor							
	R134a	R404A	R407C	R410A	R448A	R449A	R407H	R463A-J
5	1	1	1	1	1	1	1	1
0	0.98	0.98	0.98	0.99	0.98	0.98	0.99	0.99
-10	0.94	0.93	0.95	0.97	0.95	0.95	0.96	0.96
-20	0.90	0.88	0.92	0.95	0.91	0.91	0.93	0.93
-30	0.85	0.83	0.88	0.92	0.87	0.87	0.89	0.90
-40	0.81	0.78	0.84	0.89	0.83	0.83	0.86	0.86

Subcooling correction factor

Subcooling (K)	Correction factor							
	R134a	R404A	R407C	R410A	R448A	R449A	R407H	R463A-J
0	1	1	1	1	1	1	1	1
10	1.12	1.17	1.13	1.14	1.14	1.14	1.14	1.14
20	1.23	1.34	1.25	1.27	1.27	1.27	1.26	1.28
30	1.35	1.51	1.37	1.41	1.40	1.40	1.38	1.41
40	1.46	1.67	1.49	1.53	1.53	1.53	1.49	1.54
50	1.58	1.83	1.61	1.66	1.65	1.66	1.61	1.67

Suction line Capacity

CT. 38°C , Superheat at valve inlet 0K

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})									
		R134a									
		Evaporating Temp. (°C)									
		5	0	-10	-20	-30	-40				
REV-703BY	0.01	0.39 {1.4}	0.35 {1.2}	0.28 {1.0}	0.22 {0.79}	0.17 {0.60}	0.13 {0.45}				
REV-703DY	0.015	0.48 {1.7}	0.43 {1.5}	0.35 {1.2}	0.27 {1.0}	0.21 {0.73}	0.15 {0.53}				
REV-703BX	0.02	0.55 {1.9}	0.49 {1.7}	0.40 {1.4}	0.31 {1.1}	0.24 {0.83}	0.17 {0.60}				
REV-703DX	0.04	0.76 {2.7}	0.69 {2.4}	0.55 {1.9}	0.42 {1.5}	0.31 {1.1}	0.21 {0.74}				
REV-104BY	0.01	0.78 {2.7}	0.71 {2.5}	0.57 {2.0}	0.45 {1.6}	0.343 {1.2}	0.25 {0.90}				
REV-103GY	0.015	0.95 {3.4}	0.86 {3.0}	0.69 {2.4}	0.54 {1.9}	0.41 {1.5}	0.30 {1.1}				
REV-104DY	0.02	1.1 {3.9}	0.99 {3.5}	0.79 {2.8}	0.62 {2.2}	0.47 {1.7}	0.34 {1.2}				
REV-1004BX	0.04	1.5 {5.4}	1.4 {4.8}	1.1 {3.8}	0.84 {3.0}	0.62 {2.2}	0.42 {1.5}				
REV-1205BY	0.01	1.4 {4.8}	1.2 {4.3}	0.99 {3.5}	0.78 {2.8}	0.60 {2.1}	0.45 {1.6}				
REV-1204GY	0.015	1.7 {5.9}	1.5 {5.3}	1.2 {4.3}	0.95 {3.3}	0.72 {2.5}	0.53 {1.9}				
REV-1205DY	0.02	1.9 {6.8}	1.7 {6.1}	1.4 {4.9}	1.1 {3.8}	0.82 {2.9}	0.60 {2.1}				
REV-1205BX	0.04	2.7 {9.4}	2.4 {8.5}	1.9 {6.7}	1.5 {5.2}	1.1 {3.8}	0.73 {2.6}				
REV-1204GX											
REV-1205DX											
REV-1506BY	0.01	2.1 {7.3}	1.9 {6.6}	1.5 {5.3}	1.2 {4.2}	0.91 {3.2}	0.67 {2.4}				
REV-1506GY	0.015	2.5 {8.9}	2.3 {8.0}	1.8 {6.4}	1.4 {5.1}	1.1 {3.9}	0.80 {2.8}				
REV-1506DY	0.02	2.9 {10}	2.6 {9.2}	2.1 {7.4}	1.6 {5.8}	1.2 {4.4}	0.90 {3.2}				
REV-1506BX	0.04	4.1 {14}	3.6 {13}	2.9 {10}	2.2 {7.8}	1.6 {5.8}	1.1 {3.9}				
REV-1506GX											
REV-1506DX											
REV-2007DY	0.01	3.5 {12}	3.2 {11}	2.6 {9.0}	2.0 {7.1}	1.5 {5.4}	1.1 {4.0}				
REV-2010DY	0.015	4.3 {15}	3.9 {14}	3.1 {11}	2.4 {8.6}	1.9 {6.5}	1.4 {4.8}				
REV-2011DY	0.02	4.9 {17}	4.5 {16}	3.6 {13}	2.8 {9.8}	2.1 {7.4}	1.5 {5.4}				
REV-2007DX	0.04	6.9 {24}	6.2 {22}	4.9 {17}	3.8 {13}	2.8 {9.8}	1.9 {6.6}				
REV-2010DX											
REV-2011DX											
REV-20006EX											
REV-2511DX	0.01	5.4 {19}	4.9 {17}	3.9 {14}	3.1 {11}	2.4 {8.3}	1.8 {6.2}				
REV-2512DX	0.015	6.6 {23}	5.9 {21}	4.8 {17}	3.7 {13}	2.9 {10}	2.1 {7.4}				
REV-2513DX	0.02	7.6 {27}	6.8 {24}	5.5 {19}	4.3 {15}	3.2 {11}	2.3 {8.3}				
	0.04	11 {37}	9.5 {33}	7.5 {27}	5.8 {20}	4.3 {15}	2.9 {10}				
REV-3213DX	0.01	7.6 {27}	6.8 {24}	5.5 {19}	4.3 {15}	3.3 {12}	2.5 {8.7}				
REV-3214DX	0.015	9.2 {33}	8.4 {29}	6.7 {24}	5.3 {19}	4.0 {14}	2.9 {10}				
REV-3215DX	0.02	11 {37}	9.6 {34}	7.7 {27}	6.0 {21}	4.6 {16}	3.3 {12}				
	0.04	15 {52}	13 {47}	11 {37}	8.2 {29}	6.0 {21}	4.1 {14}				
REV-4014EX	0.01	13 {44}	11 {40}	9.1 {32}	7.2 {25}	5.5 {19}	4.1 {14}				
	0.015	15 {54}	14 {48}	11 {39}	8.7 {31}	6.6 {23}	4.9 {17}				
	0.02	18 {62}	16 {56}	13 {45}	9.9 {35}	7.5 {26}	5.4 {19}				
	0.04	24 {86}	22 {77}	17 {61}	13 {47}	9.9 {35}	6.7 {24}				
REV-5020EX	0.01	18 {62}	16 {56}	13 {45}	10 {35}	7.7 {27}	5.7 {20}				
	0.015	21 {75}	19 {68}	16 {55}	12 {43}	9.3 {33}	6.8 {24}				
	0.02	25 {87}	22 {78}	18 {63}	14 {49}	11 {37}	7.7 {27}				
	0.04	34 {121}	31 {109}	25 {86}	19 {67}	14 {49}	9.4 {33}				
REV-6524EX	0.01	29 {102}	26 {92}	21 {74}	17 {58}	13 {45}	9.4 {33}				
REV-6530EX	0.015	35 {124}	32 {112}	26 {90}	20 {71}	15 {54}	11 {39}				
	0.02	41 {143}	37 {129}	29 {103}	23 {81}	17 {61}	13 {44}				
	0.04	57 {199}	51 {179}	40 {142}	31 {109}	23 {81}	16 {55}				

Suction line Capacity

CT. 38°C , Superheat at valve inlet 0K

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})											
		R404A											
		Evaporating Temp. (°C)											
		5		0		-10		-20		-30		-40	
REV-703BY REV-703DY REV-703BX REV-703DX	0.01	0.41	{1.4}	0.37	{1.3}	0.31	{1.1}	0.25	{0.87}	0.19	{0.68}	0.15	{0.52}
	0.015	0.50	{1.8}	0.46	{1.6}	0.37	{1.3}	0.30	{1.1}	0.24	{0.83}	0.18	{0.63}
	0.02	0.58	{2.0}	0.53	{1.9}	0.43	{1.5}	0.35	{1.2}	0.27	{0.95}	0.21	{0.72}
	0.04	0.81	{2.8}	0.74	{2.6}	0.60	{2.1}	0.48	{1.7}	0.37	{1.3}	0.28	{0.98}
REV-104BY REV-103GY REV-104DY REV-1004BX REV-1003GX REV-1004DX	0.01	0.82	{2.9}	0.75	{2.6}	0.61	{2.2}	0.49	{1.7}	0.39	{1.4}	0.30	{1.0}
	0.015	1.0	{3.5}	0.91	{3.2}	0.75	{2.6}	0.60	{2.1}	0.47	{1.7}	0.36	{1.3}
	0.02	1.2	{4.1}	1.1	{3.7}	0.86	{3.0}	0.69	{2.4}	0.54	{1.9}	0.41	{1.4}
	0.04	1.6	{5.7}	1.5	{5.2}	1.2	{4.2}	0.96	{3.4}	0.75	{2.6}	0.56	{2.0}
REV-1205BY REV-1204GY REV-1205DY REV-1205BX REV-1204GX REV-1205DX	0.01	1.4	{5.0}	1.3	{4.6}	1.1	{3.8}	0.86	{3.0}	0.68	{2.4}	0.52	{1.8}
	0.015	1.8	{6.2}	1.6	{5.6}	1.3	{4.6}	1.1	{3.7}	0.83	{2.9}	0.63	{2.2}
	0.02	2.0	{7.1}	1.8	{6.5}	1.5	{5.3}	1.2	{4.3}	0.95	{3.3}	0.72	{2.5}
	0.04	2.8	{10}	2.6	{9.1}	2.1	{7.4}	1.7	{5.9}	1.3	{4.6}	0.97	{3.4}
REV-1506BY REV-1506GY REV-1506DY REV-1506BX REV-1506GX REV-1506DX	0.01	2.2	{7.6}	2.0	{7.0}	1.6	{5.7}	1.3	{4.6}	1.0	{3.6}	0.79	{2.8}
	0.015	2.7	{9.3}	2.4	{8.5}	2.0	{7.0}	1.6	{5.6}	1.3	{4.4}	0.95	{3.3}
	0.02	3.1	{11}	2.8	{9.8}	2.3	{8.0}	1.8	{6.4}	1.4	{5.0}	1.1	{3.8}
	0.04	4.3	{15}	3.9	{14}	3.2	{11}	2.5	{9.0}	2.0	{6.9}	1.5	{5.2}
REV-2007DY REV-2010DY REV-2011DY REV-2007DX REV-2010DX REV-2011DX REV-20006EX	0.01	3.7	{13}	3.4	{12}	2.8	{9.7}	2.2	{7.8}	1.7	{6.1}	1.3	{4.7}
	0.015	4.5	{16}	4.1	{14}	3.4	{12}	2.7	{9.5}	2.1	{7.5}	1.6	{5.7}
	0.02	5.2	{18}	4.7	{17}	3.9	{14}	3.1	{11}	2.4	{8.6}	1.8	{6.5}
	0.04	7.3	{26}	6.6	{23}	5.4	{19}	4.3	{15}	3.4	{12}	2.5	{8.8}
REV-2511DX REV-2512DX REV-2513DX	0.01	5.7	{20}	5.2	{18}	4.2	{15}	3.4	{12}	2.7	{9.4}	2.0	{7.2}
	0.015	6.9	{24}	6.3	{22}	5.2	{18}	4.2	{15}	3.3	{11}	2.5	{8.7}
	0.02	8.0	{28}	7.3	{26}	5.9	{21}	4.8	{17}	3.7	{13}	2.8	{10}
	0.04	11	{39}	10.2	{36}	8.3	{29}	6.6	{23}	5.1	{18}	3.8	{14}
REV-3213DX REV-3214DX REV-3215DX	0.01	7.9	{28}	7.2	{25}	5.9	{21}	4.8	{17}	3.8	{13}	2.9	{10}
	0.015	9.7	{34}	8.9	{31}	7.3	{26}	5.8	{21}	4.6	{16}	3.5	{12}
	0.02	11	{39}	10	{36}	8.4	{29}	6.7	{24}	5.2	{18}	4.0	{14}
	0.04	16	{55}	14	{50}	12	{41}	9.3	{33}	7.2	{25}	5.4	{19}
REV-4014EX	0.01	13	{46}	12	{42}	9.8	{35}	7.9	{28}	6.2	{22}	4.7	{17}
	0.015	16	{56}	15	{51}	12	{42}	9.6	{34}	7.5	{27}	5.8	{20}
	0.02	18	{65}	17	{59}	14	{49}	11	{39}	8.7	{30}	6.6	{23}
	0.04	26	{91}	24	{83}	19	{68}	15	{54}	12	{42}	8.9	{31}
REV-5020EX	0.01	18	{65}	17	{59}	14	{49}	11	{39}	8.7	{31}	6.7	{23}
	0.015	23	{79}	21	{72}	17	{59}	14	{48}	11	{37}	8.1	{28}
	0.02	26	{91}	24	{83}	19	{68}	16	{55}	12	{43}	9.2	{33}
	0.04	36	{128}	33	{117}	27	{95}	22	{76}	17	{59}	13	{44}
REV-6524EX REV-6530EX	0.01	30	{107}	28	{97}	23	{80}	18	{64}	14	{50}	11	{39}
	0.015	37	{130}	34	{119}	28	{97}	22	{78}	17	{61}	13	{47}
	0.02	43	{150}	39	{137}	32	{112}	26	{90}	20	{70}	15	{53}
	0.04	60	{211}	55	{192}	45	{157}	36	{125}	28	{97}	21	{72}

Suction line Capacity

CT. 38°C , Superheat at valve inlet 0K

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})											
		R407C											
		Evaporating Temp. (°C)											
		5	0		-10		-20		-30		-40		
REV-703BY REV-703DY	0.01	0.47	{1.7}	0.43	{1.5}	0.35	{1.2}	0.28	{0.99}	0.22	{0.77}	0.17	{0.59}
	0.015	0.58	{2.0}	0.52	{1.8}	0.43	{1.5}	0.34	{1.2}	0.27	{0.94}	0.20	{0.71}
	0.02	0.66	{2.3}	0.60	{2.1}	0.49	{1.7}	0.39	{1.4}	0.31	{1.1}	0.23	{0.81}
	0.04	0.93	{3.3}	0.84	{3.0}	0.69	{2.4}	0.54	{1.9}	0.42	{1.5}	0.30	{1.1}
REV-104BY REV-103GY REV-104DY	0.01	0.94	{3.3}	0.86	{3.0}	0.70	{2.5}	0.56	{2.0}	0.44	{1.5}	0.33	{1.2}
	0.015	1.2	{4.0}	1.0	{3.7}	0.86	{3.0}	0.69	{2.4}	0.53	{1.9}	0.40	{1.4}
	0.02	1.3	{4.7}	1.2	{4.2}	0.98	{3.5}	0.79	{2.8}	0.61	{2.1}	0.46	{1.6}
	0.04	1.9	{6.5}	1.7	{5.9}	1.4	{4.8}	1.1	{3.8}	0.83	{2.9}	0.60	{2.1}
REV-1205BY REV-1204GY REV-1205DY	0.01	1.6	{5.8}	1.5	{5.3}	1.2	{4.3}	0.99	{3.5}	0.77	{2.7}	0.59	{2.1}
	0.015	2.0	{7.1}	1.8	{6.4}	1.5	{5.3}	1.2	{4.2}	0.94	{3.3}	0.71	{2.5}
	0.02	2.3	{8.2}	2.1	{7.4}	1.7	{6.1}	1.4	{4.8}	1.1	{3.8}	0.80	{2.8}
	0.04	3.2	{11}	3.0	{10}	2.4	{8.4}	1.9	{6.7}	1.5	{5.1}	1.1	{3.7}
REV-1506BY REV-1506GY REV-1506DY	0.01	2.5	{8.8}	2.3	{8.0}	1.9	{6.5}	1.5	{5.2}	1.2	{4.1}	0.89	{3.1}
	0.015	3.0	{11}	2.8	{9.8}	2.3	{8.0}	1.8	{6.4}	1.4	{5.0}	1.1	{3.8}
	0.02	3.5	{12}	3.2	{11}	2.6	{9.2}	2.1	{7.3}	1.6	{5.7}	1.2	{4.3}
	0.04	4.9	{17}	4.5	{16}	3.6	{13}	2.9	{10}	2.2	{7.7}	1.6	{5.6}
REV-2007DY REV-2010DY REV-2011DY	0.01	4.2	{15}	3.9	{14}	3.2	{11}	2.5	{8.9}	2.0	{7.0}	1.5	{5.3}
	0.015	5.2	{18}	4.7	{17}	3.9	{14}	3.1	{11}	2.4	{8.5}	1.8	{6.4}
	0.02	6.0	{21}	5.4	{19}	4.4	{16}	3.5	{12}	2.8	{9.7}	2.1	{7.3}
	0.04	8.4	{29}	7.6	{27}	6.2	{22}	4.9	{17}	3.7	{13}	2.7	{9.6}

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})											
		R410A											
		Evaporating Temp. (°C)											
		5	0		-10		-20		-30		-40		
REV-703BY REV-703DY	0.01	0.59	{2.1}	0.54	{1.9}	0.46	{1.6}	0.39	{1.4}	0.38	{1.3}	0.31	{1.1}
	0.015	0.72	{2.5}	0.66	{2.3}	0.56	{2.0}	0.48	{1.7}	0.46	{1.6}	0.38	{1.3}
	0.02	0.83	{2.9}	0.76	{2.7}	0.64	{2.3}	0.55	{2.0}	0.53	{1.9}	0.43	{1.5}
	0.04	1.2	{4.1}	1.1	{3.8}	0.90	{3.2}	0.77	{2.7}	0.74	{2.6}	0.60	{2.1}
REV-104BY REV-103GY REV-104DY	0.01	1.2	{4.1}	1.1	{3.8}	0.92	{3.2}	0.79	{2.8}	0.76	{2.7}	0.62	{2.2}
	0.015	1.4	{5.1}	1.3	{4.7}	1.1	{3.9}	0.96	{3.4}	0.93	{3.3}	0.75	{2.6}
	0.02	1.7	{5.8}	1.5	{5.4}	1.3	{4.5}	1.1	{3.9}	1.1	{3.7}	0.86	{3.0}
	0.04	2.3	{8.2}	2.1	{7.5}	1.8	{6.4}	1.5	{5.4}	1.5	{5.2}	1.2	{4.2}
REV-1205BY REV-1204GY REV-1205DY	0.01	2.1	{7.2}	1.9	{6.7}	1.6	{5.6}	1.4	{4.9}	1.3	{4.7}	1.1	{3.8}
	0.015	2.5	{8.8}	2.3	{8.2}	2.0	{6.9}	1.7	{5.9}	1.6	{5.7}	1.3	{4.6}
	0.02	2.9	{10}	2.7	{9.4}	2.3	{7.9}	1.9	{6.8}	1.9	{6.6}	1.5	{5.3}
	0.04	4.1	{14}	3.8	{13.2}	3.2	{11}	2.7	{9.5}	2.6	{9.2}	2.1	{7.4}
REV-1506BY REV-1506GY REV-1506DY	0.01	3.1	{11}	2.9	{10.1}	2.4	{8.5}	2.1	{7.4}	2.0	{7.1}	1.6	{5.7}
	0.015	3.8	{13}	3.5	{12.3}	3.0	{10}	2.6	{9.0}	2.5	{8.6}	2.0	{7.0}
	0.02	4.4	{15}	4.0	{14.2}	3.4	{12}	2.9	{10}	2.8	{9.9}	2.3	{8.0}
	0.04	6.2	{22}	5.7	{20.0}	4.8	{17}	4.1	{14}	3.9	{14}	3.2	{11}
REV-2007DY REV-2010DY REV-2011DY	0.01	5.3	{19}	4.9	{17.1}	4.1	{14}	3.5	{12}	3.4	{12}	2.8	{9.7}
	0.015	6.5	{23}	6.0	{21.0}	5.0	{18}	4.3	{15}	4.2	{15}	3.4	{12}
	0.02	7.5	{26}	6.9	{24.2}	5.8	{20}	5.0	{18}	4.8	{17}	3.9	{14}
	0.04	10	{37}	9.7	{34.0}	8.1	{29}	7.0	{25}	6.7	{24}	5.4	{19}

Suction line Capacity

CT. 38℃ , Superheat at valve inlet 0K

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})									
		R448A									
		Evaporating Temp. (℃)									
		5	0	-10	-20	-30	-40				
REV-703BY REV-703DY	0.01	0.47 {1.6}	0.42 {1.5}	0.35 {1.2}	0.28 {0.99}	0.22 {0.78}	0.17 {0.6}				
	0.015	0.57 {2.0}	0.52 {1.8}	0.43 {1.5}	0.34 {1.2}	0.27 {0.95}	0.20 {0.7}				
	0.02	0.66 {2.3}	0.60 {2.1}	0.49 {1.7}	0.39 {1.4}	0.31 {1.1}	0.23 {0.8}				
	0.04	0.92 {3.2}	0.84 {2.9}	0.68 {2.4}	0.54 {1.9}	0.42 {1.5}	0.31 {1.1}				
REV-104BY REV-103GY REV-104DY	0.01	0.93 {3.3}	0.85 {3.0}	0.70 {2.5}	0.56 {2.0}	0.44 {1.6}	0.34 {1.2}				
	0.015	1.1 {4.0}	1.0 {3.7}	0.85 {3.0}	0.69 {2.4}	0.54 {1.9}	0.41 {1.4}				
	0.02	1.3 {4.6}	1.2 {4.2}	0.98 {3.4}	0.79 {2.8}	0.62 {2.2}	0.47 {1.6}				
	0.04	1.8 {6.5}	1.7 {5.9}	1.4 {4.8}	1.1 {3.8}	0.84 {3.0}	0.62 {2.2}				
REV-1205BY REV-1204GY REV-1205DY	0.01	1.6 {5.7}	1.5 {5.2}	1.2 {4.3}	0.98 {3.5}	0.77 {2.7}	0.59 {2.1}				
	0.015	2.0 {7.0}	1.8 {6.4}	1.5 {5.2}	1.2 {4.2}	0.94 {3.3}	0.72 {2.5}				
	0.02	2.3 {8.1}	2.1 {7.4}	1.7 {6.0}	1.4 {4.8}	1.1 {3.8}	0.81 {2.9}				
	0.04	3.2 {11}	2.9 {10}	2.4 {8.4}	1.9 {6.7}	1.5 {5.2}	1.1 {3.8}				
REV-1506BY REV-1506GY REV-1506DY	0.01	2.5 {8.7}	2.3 {7.9}	1.9 {6.5}	1.5 {5.2}	1.2 {4.1}	0.90 {3.2}				
	0.015	3.0 {11}	2.8 {9.7}	2.3 {7.9}	1.8 {6.4}	1.4 {5.0}	1.1 {3.8}				
	0.02	3.5 {12}	3.2 {11}	2.6 {9.1}	2.1 {7.3}	1.6 {5.7}	1.2 {4.3}				
	0.04	4.9 {17}	4.4 {16}	3.6 {13}	2.9 {10}	2.2 {7.8}	1.6 {5.8}				
REV-2007DY REV-2010DY REV-2011DY	0.01	4.2 {15}	3.8 {13}	3.1 {11}	2.5 {8.9}	2.0 {7.0}	1.5 {5.4}				
	0.015	5.1 {18}	4.7 {16}	3.8 {13}	3.1 {11}	2.4 {8.5}	1.8 {6.5}				
	0.02	5.9 {21}	5.4 {19}	4.4 {16}	3.5 {12}	2.8 {9.7}	2.1 {7.4}				
	0.04	8.3 {29}	7.5 {26}	6.1 {22}	4.9 {17}	3.8 {13}	2.8 {9.8}				

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})									
		R449A									
		Evaporating Temp. (℃)									
		5	0	-10	-20	-30	-40				
REV-703BY REV-703DY	0.01	0.46 {1.6}	0.42 {1.5}	0.35 {1.2}	0.28 {0.98}	0.22 {0.77}	0.17 {0.59}				
	0.015	0.56 {2.0}	0.51 {1.8}	0.42 {1.5}	0.34 {1.2}	0.27 {0.94}	0.20 {0.71}				
	0.02	0.65 {2.3}	0.59 {2.1}	0.49 {1.7}	0.39 {1.4}	0.30 {1.1}	0.23 {0.81}				
	0.04	0.91 {3.2}	0.83 {2.9}	0.68 {2.4}	0.54 {1.9}	0.42 {1.5}	0.31 {1.1}				
REV-104BY REV-103GY REV-104DY	0.01	0.92 {3.2}	0.84 {3.0}	0.69 {2.4}	0.56 {2.0}	0.44 {1.5}	0.34 {1.2}				
	0.015	1.1 {4.0}	1.0 {3.6}	0.84 {3.0}	0.68 {2.4}	0.53 {1.9}	0.40 {1.4}				
	0.02	1.3 {4.6}	1.2 {4.2}	0.97 {3.4}	0.78 {2.7}	0.61 {2.1}	0.46 {1.6}				
	0.04	1.8 {6.4}	1.7 {5.8}	1.4 {4.8}	1.1 {3.8}	0.83 {2.9}	0.62 {2.2}				
REV-1205BY REV-1204GY REV-1205DY	0.01	1.6 {5.7}	1.5 {5.2}	1.2 {4.3}	0.98 {3.4}	0.77 {2.7}	0.59 {2.1}				
	0.015	2.0 {6.9}	1.8 {6.3}	1.5 {5.2}	1.2 {4.2}	0.93 {3.3}	0.71 {2.5}				
	0.02	2.3 {8.0}	2.1 {7.3}	1.7 {6.0}	1.4 {4.8}	1.1 {3.8}	0.81 {2.8}				
	0.04	3.2 {11}	2.9 {10}	2.4 {8.3}	1.9 {6.6}	1.5 {5.1}	1.1 {3.8}				
REV-1506BY REV-1506GY REV-1506DY	0.01	2.4 {8.6}	2.2 {7.8}	1.8 {6.4}	1.5 {5.2}	1.2 {4.1}	0.89 {3.1}				
	0.015	3.0 {11}	2.7 {9.6}	2.2 {7.9}	1.8 {6.3}	1.4 {5.0}	1.1 {3.8}				
	0.02	3.4 {12}	3.1 {11}	2.6 {9.1}	2.1 {7.3}	1.6 {5.7}	1.2 {4.3}				
	0.04	4.8 {17}	4.4 {15}	3.6 {13}	2.9 {10}	2.2 {7.8}	1.6 {5.7}				
REV-2007DY REV-2010DY REV-2011DY	0.01	4.2 {15}	3.8 {13}	3.1 {11}	2.5 {8.8}	2.0 {6.9}	1.5 {5.3}				
	0.015	5.1 {18}	4.6 {16}	3.8 {13}	3.1 {11}	2.4 {8.4}	1.8 {6.4}				
	0.02	5.8 {21}	5.3 {19}	4.4 {15}	3.5 {12}	2.7 {9.7}	2.1 {7.3}				
	0.04	8.2 {29}	7.5 {26}	6.1 {21}	4.9 {17}	3.7 {13}	2.8 {9.7}				

Suction line Capacity

CT. 38℃ , Superheat at valve inlet 0K

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})											
		R407H											
		Evaporating Temp. (℃)											
		5	0		-10		-20		-30		-40		
REV-703BY REV-703DY	0.01	0.51	{1.8}	0.46	{1.6}	0.38	{1.3}	0.31	{1.1}	0.24	{0.85}	0.19	{0.65}
	0.015	0.62	{2.2}	0.57	{2.0}	0.46	{1.6}	0.37	{1.3}	0.29	{1.0}	0.22	{0.79}
	0.02	0.71	{2.5}	0.65	{2.3}	0.53	{1.9}	0.43	{1.5}	0.34	{1.2}	0.25	{0.89}
	0.04	1.0	{3.5}	0.91	{3.2}	0.74	{2.6}	0.59	{2.1}	0.46	{1.6}	0.34	{1.2}
REV-104BY REV-103GY REV-104DY	0.01	1.0	{3.6}	0.93	{3.3}	0.76	{2.7}	0.61	{2.2}	0.48	{1.7}	0.37	{1.3}
	0.015	1.2	{4.4}	1.1	{4.0}	0.93	{3.3}	0.75	{2.6}	0.59	{2.1}	0.45	{1.6}
	0.02	1.4	{5.0}	1.3	{4.6}	1.1	{3.8}	0.86	{3.0}	0.67	{2.4}	0.51	{1.8}
	0.04	2.0	{7.0}	1.8	{6.4}	1.5	{5.2}	1.2	{4.2}	0.91	{3.2}	0.67	{2.4}
REV-1205BY REV-1204GY REV-1205DY	0.01	1.8	{6.2}	1.6	{5.7}	1.3	{4.7}	1.1	{3.8}	0.85	{3.0}	0.65	{2.3}
	0.015	2.2	{7.6}	2.0	{7.0}	1.6	{5.7}	1.3	{4.6}	1.0	{3.6}	0.78	{2.7}
	0.02	2.5	{8.8}	2.3	{8.0}	1.9	{6.6}	1.5	{5.3}	1.2	{4.1}	0.89	{3.1}
	0.04	3.5	{12}	3.2	{11}	2.6	{9.2}	2.1	{7.3}	1.6	{5.6}	1.2	{4.1}
REV-1506BY REV-1506GY REV-1506DY	0.01	2.7	{9.4}	2.5	{8.6}	2.0	{7.1}	1.6	{5.7}	1.3	{4.5}	0.98	{3.5}
	0.015	3.3	{12}	3.0	{11}	2.5	{8.7}	2.0	{7.0}	1.6	{5.5}	1.2	{4.2}
	0.02	3.8	{13}	3.5	{12}	2.8	{10}	2.3	{8.0}	1.8	{6.3}	1.3	{4.7}
	0.04	5.3	{19}	4.8	{17}	3.9	{14}	3.1	{11}	2.4	{8.5}	1.8	{6.3}
REV-2007DY REV-2010DY REV-2011DY	0.01	4.6	{16}	4.2	{15}	3.4	{12}	2.8	{9.7}	2.2	{7.7}	1.7	{5.9}
	0.015	5.6	{20}	5.1	{18}	4.2	{15}	3.4	{12}	2.6	{9.3}	2.0	{7.1}
	0.02	6.4	{23}	5.9	{21}	4.8	{17}	3.9	{14}	3.0	{11}	2.3	{8.0}
	0.04	9.0	{32}	8.2	{29}	6.7	{24}	5.3	{19}	4.1	{14}	3.0	{11}

Catalog No.	Pressure drop across the valve (MPa)	Capacity (U.S.R.T. {kw})											
		R463A-J											
		Evaporating Temp. (℃)											
		5	0		-10		-20		-30		-40		
REV-703BY REV-703DY	0.01	0.54	{1.9}	0.50	{1.8}	0.42	{1.5}	0.34	{1.2}	0.27	{0.96}	0.21	{0.74}
	0.015	0.66	{2.3}	0.61	{2.1}	0.51	{1.8}	0.41	{1.5}	0.33	{1.2}	0.26	{0.90}
	0.02	0.77	{2.7}	0.70	{2.5}	0.59	{2.1}	0.48	{1.7}	0.38	{1.3}	0.29	{1.0}
	0.04	1.1	{3.8}	0.99	{3.5}	0.82	{2.9}	0.66	{2.3}	0.52	{1.8}	0.40	{1.4}
REV-104BY REV-103GY REV-104DY	0.01	1.1	{3.8}	1.0	{3.5}	0.83	{2.9}	0.68	{2.4}	0.54	{1.9}	0.42	{1.5}
	0.015	1.3	{4.7}	1.2	{4.3}	1.0	{3.6}	0.83	{2.9}	0.66	{2.3}	0.51	{1.8}
	0.02	1.5	{5.4}	1.4	{5.0}	1.2	{4.1}	0.95	{3.4}	0.76	{2.7}	0.59	{2.1}
	0.04	2.2	{7.6}	2.0	{7.0}	1.6	{5.8}	1.3	{4.7}	1.0	{3.7}	0.80	{2.8}
REV-1205BY REV-1204GY REV-1205DY	0.01	1.9	{6.7}	1.7	{6.1}	1.5	{5.1}	1.2	{4.2}	0.95	{3.3}	0.74	{2.6}
	0.015	2.3	{8.2}	2.1	{7.5}	1.8	{6.3}	1.5	{5.1}	1.2	{4.1}	0.90	{3.2}
	0.02	2.7	{9.4}	2.5	{8.7}	2.0	{7.2}	1.7	{5.9}	1.3	{4.7}	1.0	{3.6}
	0.04	3.8	{13}	3.5	{12}	2.9	{10}	2.3	{8.2}	1.8	{6.5}	1.4	{4.9}
REV-1506BY REV-1506GY REV-1506DY	0.01	2.9	{10}	2.6	{9.3}	2.2	{7.8}	1.8	{6.3}	1.4	{5.1}	1.1	{3.9}
	0.015	3.5	{12}	3.2	{11}	2.7	{9.5}	2.2	{7.7}	1.8	{6.2}	1.4	{4.8}
	0.02	4.1	{14}	3.7	{13}	3.1	{11}	2.5	{8.9}	2.0	{7.1}	1.6	{5.5}
	0.04	5.7	{20}	5.2	{18}	4.3	{15}	3.5	{12}	2.8	{9.8}	2.1	{7.4}
REV-2007DY REV-2010DY REV-2011DY	0.01	4.9	{17}	4.5	{16}	3.7	{13}	3.1	{11}	2.4	{8.6}	1.9	{6.7}
	0.015	6.0	{21}	5.5	{19}	4.6	{16}	3.7	{13}	3.0	{10}	2.3	{8.1}
	0.02	6.9	{24}	6.3	{22}	5.3	{19}	4.3	{15}	3.4	{12}	2.6	{9.3}
	0.04	9.7	{34}	8.9	{31}	7.4	{26}	6.0	{21}	4.7	{17}	3.6	{13}

Flow Rate

Hot Gas Defrost Line

CT. 38°C, hot Gas temperature at valve inlet 50°C

Catalog No.	Hot Gas Flow Rate (kg/h)							
	R134a				R404A			
	Pressure Drop (MPa)							
	0.05	0.10	0.15	0.30	0.05	0.10	0.15	0.30
REV-703BY REV-703DY REV-703BX REV-703DX	114	160	193	261	151	211	257	355
REV-104BY REV-103GY REV-104DY REV-1004BX REV-1003GX REV-1004DX	229	319	386	522	301	423	514	710
REV-1205BY REV-1204GY REV-1205DY REV-1205BX REV-1204GX REV-1205DX	400	559	675	913	527	740	899	1243
REV-1506BY REV-1506GY REV-1506DY REV-1506BX REV-1506GX REV-1506DX	606	846	1022	1383	798	1121	1362	1882
REV-2007DY REV-2010DY REV-2011DY REV-2007DX REV-2010DX REV-2011DX REV-20006EX	1030	1437	1735	2348	1355	1903	2313	3196
REV-2511DX REV-2512DX REV-2513DX	1579	2203	2661	3601	2078	2918	3547	4900
REV-3213DX REV-3214DX REV-3215DX	2220	3097	3741	5062	2922	4102	4986	6889
REV-4014EX	3661	5109	6171	8350	4819	6765	8224	11363
REV-5020EX	5149	7184	8677	11742	6777	9514	11565	15979
REV-6524EX REV-6530EX	8467	11814	14269	19309	11145	15645	19018	26276

Hot Gas Defrost Line

CT. 38°C, hot Gas temperature at valve inlet 50°C

Catalog No.	Hot Gas Flow Rate (kg/h)											
	R407C				R410A				R448A			
	Pressure Drop (MPa)											
	0.05	0.10	0.15	0.30	0.05	0.10	0.15	0.30	0.05	0.10	0.15	0.30
REV-703BY REV-703DY	130	182	221	304	150	211	257	358	135	190	230	318
REV-104BY REV-103GY REV-104DY	260	365	443	609	300	422	515	715	270	379	461	635
REV-1205BY REV-1204GY REV-1205DY	455	638	774	1065	526	739	900	1252	473	664	806	1111
REV-1506BY REV-1506GY REV-1506DY	689	966	1173	1613	796	1120	1364	1896	717	1005	1221	1683
REV-2007DY REV-2010DY REV-2011DY	1170	1641	1992	2739	1352	1901	2316	3219	1217	1707	2073	2858

Catalog No.	Hot Gas Flow Rate (kg/h)											
	R449A				R407H				R463A-J			
	Pressure Drop (MPa)											
	0.05	0.10	0.15	0.30	0.05	0.10	0.15	0.30	0.05	0.10	0.15	0.30
REV-703BY REV-703DY	136	191	232	319	127	178	217	298	145	204	248	345
REV-104BY REV-103GY REV-104DY	272	382	463	639	254	357	433	596	290	408	497	689
REV-1205BY REV-1204GY REV-1205DY	476	668	811	1118	445	624	758	1044	508	714	869	1206
REV-1506BY REV-1506GY REV-1506DY	721	1011	1228	1693	674	945	1148	1580	769	1081	1316	1826
REV-2007DY REV-2010DY REV-2011DY	1224	1717	2085	2875	1144	1605	1949	2683	1306	1836	2234	3101