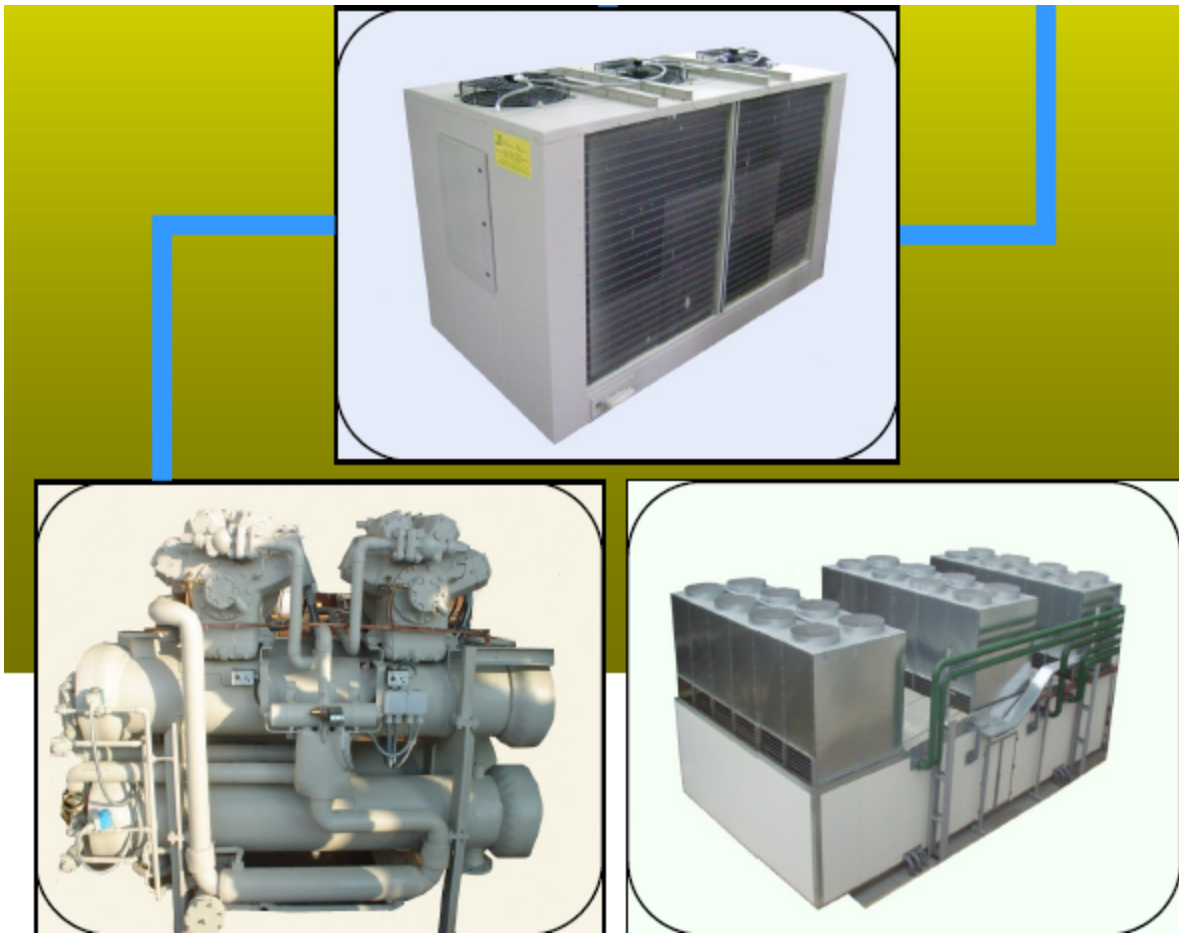
EL News

Електролукс Electrolux Macedonia Palenzo

MANUFACTURING EQUIPMENT AND DEVICES FOR INDUSTRIAL COOLING AND AIR CONDITIONING ELECTROLUX MACEDONIA



PRODUCT CATALOGUE

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PRODUCTS

AIR TO AIR CHILLERS

AIR TO WATER CHILLERS

WATER TO WATER CHILLERS

REVERSIBLE AIR TO AIR CHILLERS

REVERSIBLE AIR TO WATER CHILLERS

REVERSIBLE WATER TO WATER CHILLERS

COOLING TOWERS

POWER SUPPLY FOR ALL PRODUCTS
380V～3N/50Hz

AIR TO AIR CHILLERS

TECHNICAL SPECIFICATIONS

MODEL		0010	0015	0020	0030	0035	0040	0050	0065	0055	0070
COOLING CAPACITY	kW	10,78	15,82	19,46	27,83	34,43	42,37	53,81	64,32	55,66	68,86
NUMBER OF FREON CIRCUITS	No	1	1	1	1	1	1	1	1	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	1	1	1	1	1	1	1	1	2	2
AIR FLOW RATE ON AGGREGATE UNIT	m³/h	3219	6013	7398	10580	13088	16108	20455	24450	21160	26176
AIR FLOW RATE ON EVAPORATOR UNIT	m³/h	3219	6013	7398	10580	13088	16108	20455	24450	21160	26176
MAXIMUM DISTANCE	m	50	50	50	50	50	50	50	50	50	50
MAXIMUM ALTITUDE	m	12	12	12	12	12	12	12	12	12	12
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
NOISE LEVEL	db	65	65	65	65	65	65	65	66	66	66
TOTAL INPUT POWER	kW	3,32	4,66	6,03	8,55	10,56	13	16,03	19,11	3,32	
WEIGHT	kg	166	169	327	398	459	512	564	645	670	705

MODEL		0085	0105	0130	0067	0080	0100	0125	0160	0190	0063
COOLING CAPACITY	kW	84,74	107,62	128,64	67,32	83,49	103,29	127,11	161,43	192,96	63,28
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	2	2	2	3	3	3	3	3	3	4
AIR FLOW RATE ON AGGREGATE UNIT	m³/h	32216	40910	48900	20102	32604	40338	49641	63000	75357	18896
AIR FLOW RATE ON EVAPORATOR UNIT	m³/h	32216	40910	48900	20102	32604	40338	49641	63000	75357	18896
MAXIMUM DISTANCE	m	50	50	50	50	50	50	50	50	50	50
MAXIMUM ALTITUDE	m	12	12	12	12	12	12	12	12	12	12
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
NOISE LEVEL	db	66	67	67	66	66	67	67	67	67	66
TOTAL INPUT POWER	kW										
WEIGHT	kg	890	1075	1137	916	1118	1215	1290	1870	2656	1072

MODEL		0071	0075	0095	0110	0140	0170	0215	0260
COOLING CAPACITY	kW	71,52	77,84	96,08	111,3	137,72	169,5	215,2	257,3
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	4	4	4	4	4	4	4	4
AIR FLOW RATE ON AGGREGATE UNIT	m^3/h	21356	23241	28689	33233	41115	50500	64260	76315
AIR FLOW RATE ON EVAPORATOR UNIT	m^3/h	21356	23241	28689	33233	41115	50500	64260	76315
MAXIMUM DISTANCE	m	50	50	50	50	50	50	50	50
MAXIMUM ALTITUDE	m	12	12	12	12	12	12	12	12
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
NOISE LEVEL	db	66	66	66	67	67	67	68	68
TOTAL INPUT POWER	kW								
WEIGHT	kg	1195	1240	1383	1406	1436	2179	3072	3237

OPTIONS AND ACCESSORIES

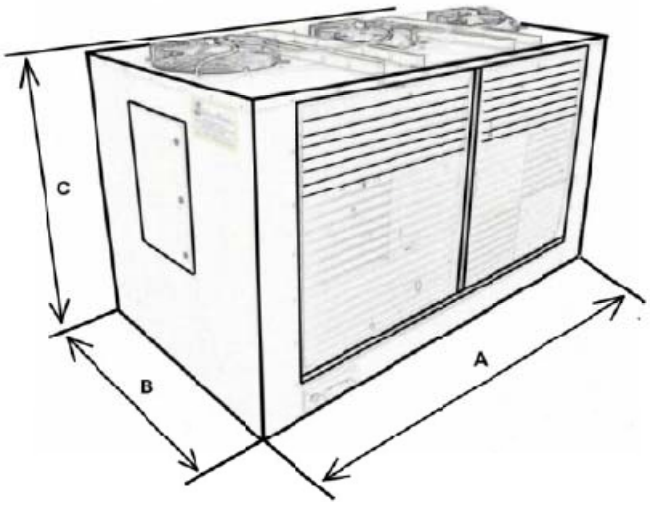
MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	I	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0070	0071	0075	0080	0085	0095	0100	0105	0110	0125	0130	0140
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0160	0170	0190	0215	0260
LOW NOISE VERSION	T	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•

X STANDARD
• ACCESSORIES

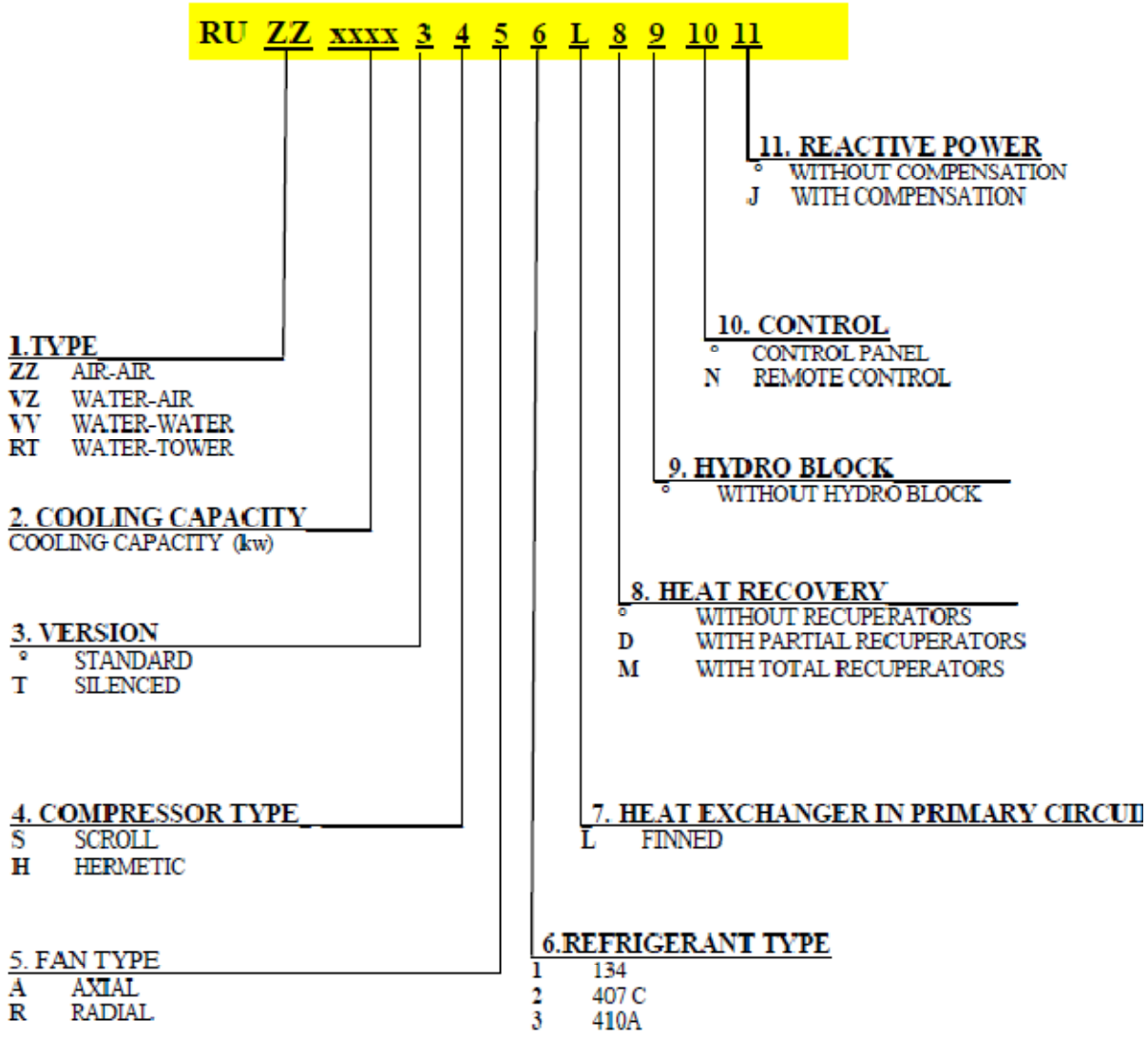
DIMENSIONS



MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067	0070	0071	0075
WIDTH A	mm	1400	1400	1400	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
DEPHT B	mm	800	800	800	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
HEIGHT C	mm	1000	1000	1000	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

MODEL		0080	0085	0095	0100	0105	0110	0125	0130	0140	0160	0170	0190	0215	0260
WIDTH A	mm	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
DEPHT B	mm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
HEIGHT C	mm	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300

CONFIGURATION RULES



Commercial code example:
RU ZZ 0650A2LMN
This is air to air chiller with 650 kW cooling capacity, low noise type with semihermetic compressor,axial fans, refrigerant R407 C, fined heat exchanger in primary circuit, with total recuperators, without hydro block, with remote control and without reactive power compensation.

AIR TO WATER CHILLERS

TECHNICAL SPECIFICATIONS

MODEL		0010	0015	0020	0030	0035	0040	0050	0065	0055	0070
COOLING CAPACITY	kW	10,78	15,82	19,46	27,83	34,43	42,37	53,81	64,32	55,66	68,86
NUMBER OF FREON CIRCUITS	No	1	1	1	1	1	1	1	1	1/2	1/2
NUMBER OF COMPRESSORS	No	1	1	1	1	1	1	1	1	2	2
FANS NUMBER	No	1	1	1	1	2	2	2	2	2	3
WATER FLOW RATE	l/h	1854	2721	3892	5566	6873	8458	10762	12865	11132	13746
AIR FLOW RATE	m³/h	3219	6013	7398	10580	13088	16108	20455	24450	21160	26176
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROPS ON EVAPORATOR	bar	0,35	0,35	0,35	0,35	0,35	0,36	0,36	0,36	0,36	0,36
NOISE LEVEL	db	65	65	65	65	65	65	66	66	66	66
TOTAL INPUT POWER	kW	3,32	4,66	6,03	8,55	10,56	13	16,03	19,11	17,1	21,12
WEIGHT	kg	178	187	349	430	499	561	626	719	734	785

MODEL		0085	0105	0130	0060	0067	0080	0100	0125	0160	0190
COOLING CAPACITY	kW	84,74	107,62	128,64	58,38	67,32	83,49	103,29	127,11	161,43	192,96
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS	No	2	2	2	3	3	3	3	3	3	3
FANS NUMBER	No	3	3	4							
WATER FLOW RATE	l/h	16916	21524	25830	10041	11579	14358	17763	21861	27762	33186
AIR FLOW RATE	m³/h	32216	40910	48900	12630	20102	32604	40338	49641	63000	75357
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROPS ON EVAPORATOR	bar	0,37	0,37	0,38	0,36	0,36	0,36	0,37	0,37	0,38	0,39
NOISE LEVEL	db	66	67	67	65	66	66	67	67	68	68
TOTAL INPUT POWER	kW	26	32,06	38,22	18,09	22,32	25,65	31,8	39	48,09	57,33
WEIGHT	kg	988	1200	1287	964	994	1312	1318	1438	2058	2880

MODEL		0063	0071	0075	0095	0110	0140	0170	0215	0260
COOLING CAPACITY	kW	63,28	71,52	77,84	96,08	111,3	137,72	169,5	215,2	257,3
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS	No	4	4	4	4	4	4	4	4	4
FANS NUMBER	No									
WATER FLOW RATE	l/h	10884	12301	13388	16525	19143	23684	29148	37016	44248
AIR FLOW RATE	m³/h	18896	21356	23241	28689	33233	41115	50600	64260	76815
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROPS ON EVAPORATOR	bar	0,36	0,26	0,36	0,37	0,37	0,37	0,38	0,39	0,40
NOISE LEVEL	db	65	66	66	66	66	67	67	68	68
TOTAL INPUT POWER	kW	18,64	21,44	24,12	29,76	34,2	42,24	52	64,24	76,44
WEIGHT	kg	1145	1278	1330	1495	1535	1596	2376	3323	3537

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MODEL		0165	0325	0490	0650	0810	0975	1140	1300
COOLING CAPACITY	kW	162,5	325	487,5	650	812,5	975	1137,5	1300
NUMBER OF FREON CIRCUITS	No	1	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS	No	1	2	3	4	5	6	7	8
FANS NUMBER	No								
WATER FLOW RATE	l/h	27950	55900	83850	111800	139750	167700	195650	223600
AIR FLOW RATE	m³/h	48524	97048	145572	194096	242620	291144	339668	388192
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROPS ON EVAPORATOR	bar	0,38	0,40	0,40	0,41	0,41	0,42	0,43	0,44
NOISE LEVEL	db	67	68	68	68	68	68	68	68
TOTAL INPUT POWER	kW								
WEIGHT	kg								

OPTIONS AND ACCESSORIES

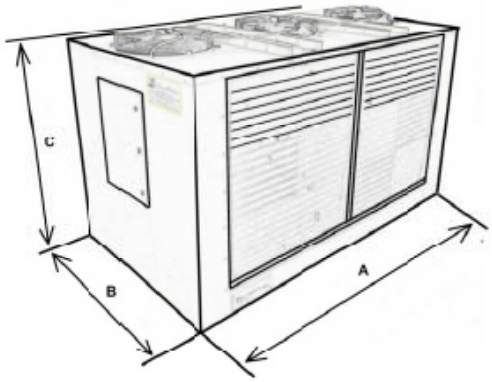
MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0070	0071	0075	0080	0085	0095	0100	0105	0110	0125	0130	0140
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0160	0170	0190	0215	0260
LOW NOISE VERSION	T	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•

X STANDARD
● ACCESSORIES

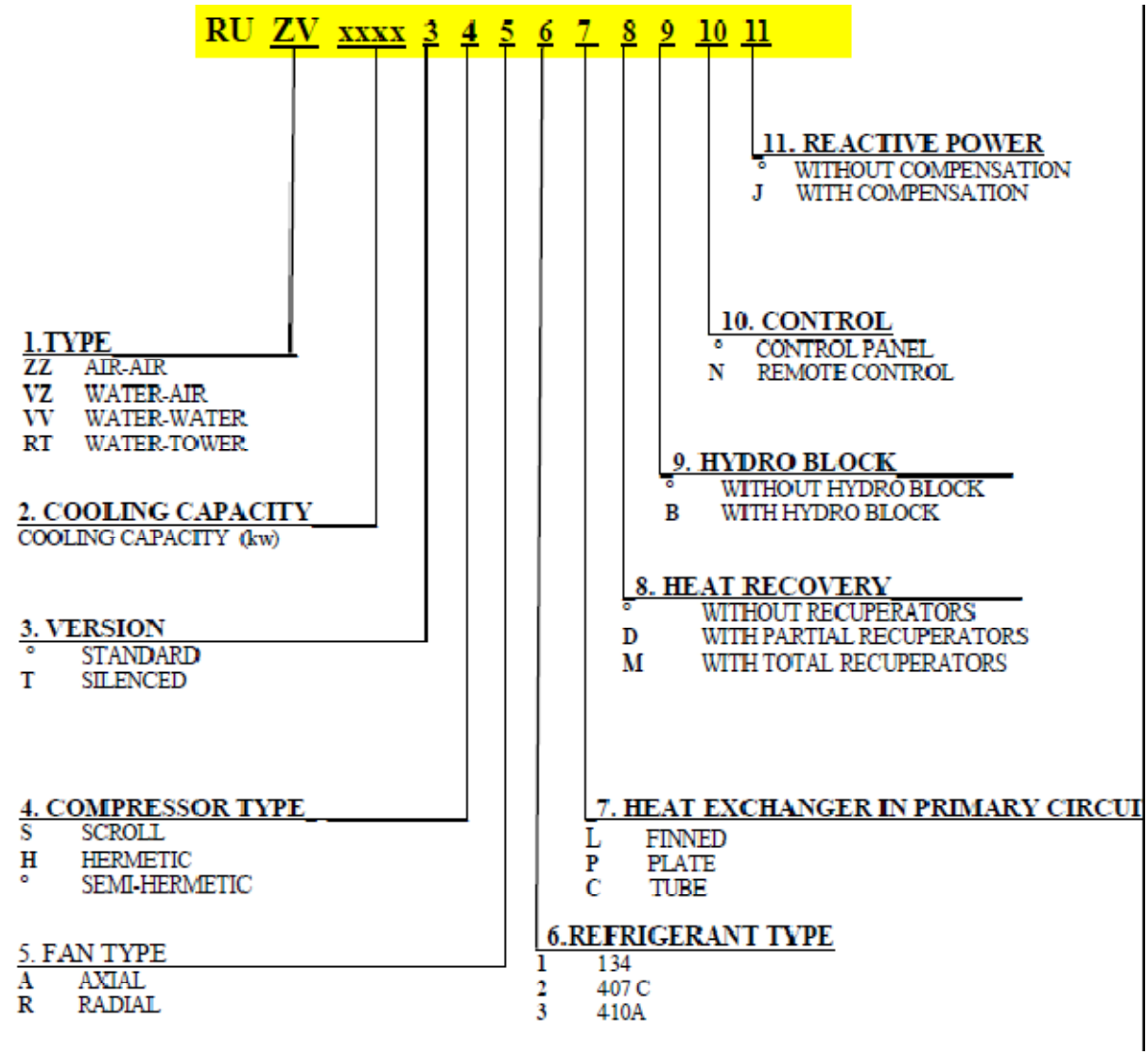
DIMENSIONS



MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067	0070	0071	0075
WIDTH A	mm	1400	1400	1400	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
DEPHT B	mm	800	800	800	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
HEIGHT C	mm	1000	1000	1000	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

MODEL		0080	0085	0095	0100	0105	0110	0125	0130	0140	0160	0170	0190	0215	0260
WIDTH A	mm	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
DEPHT B	mm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
HEIGHT C	mm	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300

CONFIGURATION RULES



Commercial code example:
RU ZV 0650SA2CMN
This is air to water chiller with 650 kW cooling capacity, standard version, with scroll compressors, axial fans, refrigerant 407 C, tube heat exchangers in primary circuit, with total recuperators,without hydro block, with remote control and without reactive power compensation.

WATER TO WATER CHILLERS

TECHNICAL SPECIFICATIONS

MODEL		0020	0025	0030	0035	0045	0057	0068	0028	0040	0050	0060
COOLING CAPACITY	kW	20,76	25,60	29,66	36,73	45,02	57,19	68,15	28,46	41,52	51,2	59,32
NUMBER OF FREON CIRCUITS	No	1	1	1	1	1	1	1	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS	No	1	1	1	1	1	1	1	2	2	2	2
WATER FLOW RATE IN PRIMARY CIRCUIT EXCHANGER	l/h	4300	5418	6268	7766	9527	12031	14357	6000	8600	10836	12536
WATER FLOW RATE IN SECONDARY CIRCUIT EXCHANGER	l/h	3570	4403	5101	6317	7743	9837	11722	4895	7141	8806	10203
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROP ON PRIMARY CIRCUIT EXCHANGER	bar	0,35	0,35	0,35	0,35	0,36	0,36	0,36	0,35	0,36	0,36	0,36
PRESSURE DROP ON SECONDARY CIRCUIT EXCHANGER	bar	0,35	0,35	0,35	0,35	0,35	0,36	0,36	0,35	0,35	0,36	0,36
TOTAL INPUT POWER	kW	7,11	8,78	10,01	12,51	15,34	18,92	22,55	9,56	14,22	17,56	20,18
WEIGHT	kg	168	224	236	256	312	355	419	217	322	393	449

MODEL		0070	0090	0115	0136	0043	0062	0075	0080	0110	0135	0170
COOLING CAPACITY	kW	73,46	90,04	114,38	136,3	42,69	62,28	76,8	88,98	110,19	135,06	171,57
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS	No	2	2	2	2	3	3	3	3	3	3	3
WATER FLOW RATE IN PRIMARY CIRCUIT EXCHANGER	l/h	15532	19054	24062	28714	9000	12900	16254	18804	23298	28581	36093
WATER FLOW RATE IN SECONDARY CIRCUIT EXCHANGER	l/h	12634	15488	19673	23444	7342	10710	13209	15303	18951	23229	29511
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROP ON PRIMARY CIRCUIT EXCHANGER	bar	0,36	0,37	0,38	0,38	0,36	0,36	0,37	0,37	0,37	0,38	0,39
PRESSURE DROP ON SECONDARY CIRCUIT EXCHANGER	bar	0,36	0,36	0,37	0,37	0,35	0,36	0,36	0,36	0,37	0,37	0,38
TOTAL INPUT POWER	kW	25,02	30,68	37,76	45,10	14,34	21,35	26,34	30,27	37,52	46,02	56,75
WEIGHT	kg	489	542	680	820	367	413	471	583	710	930	1079

MODEL		0205	0056	0085	0105	0120	0145	0180	0230	0270		
COOLING CAPACITY	kW	204,45	56,92	83,04	102,4	118,64	146,92	180	228,76	272,6		
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2		
NUMBER OF COMPRESSORS	No	3	4	4	4	4	4	4	4	4		
WATER FLOW RATE IN PRIMARY CIRCUIT EXCHANGER	l/h	43071	12000	17200	21672	25072	31064	38108	48124	57428		
WATER FLOW RATE IN SECONDARY CIRCUIT EXCHANGER	l/h	35166	9790	14280	17612	20404	25264	30972	39348	46888		
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C		
PRESSURE DROP ON PRIMARY CIRCUIT EXCHANGER	bar	0,40	0,36	0,37	0,37	0,38	0,38	0,39	0,41	0,43		
PRESSURE DROP ON SECONDARY CIRCUIT EXCHANGER	bar	0,39	0,36	0,36	0,37	0,37	0,38	0,38	0,39	0,41		
TOTAL INPUT POWER	kW	67,65	19,12	28,46	35,12	40,36	50,03	61,36	75,66	90,20		
WEIGHT	kg	1256	692	786	853	924	1057	1204	1554	1792		

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OPTIONS AND ACCESSORIES

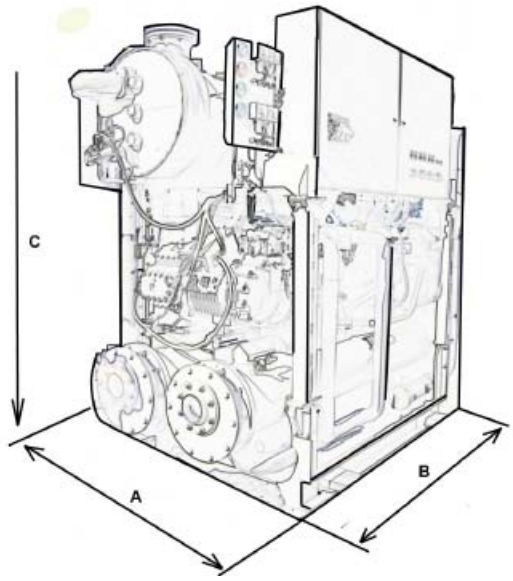
MODEL		0020	0025	0028	0030	0035	0040	0043	0045	0050	0056	0057	0060
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0062	0068	0070	0075	0080	0085	0090	0105	0110	0115	0120	0135
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0136	0145	0170	0180	0205	0230	0270
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•

X STANDARD
● ACCESSORIES

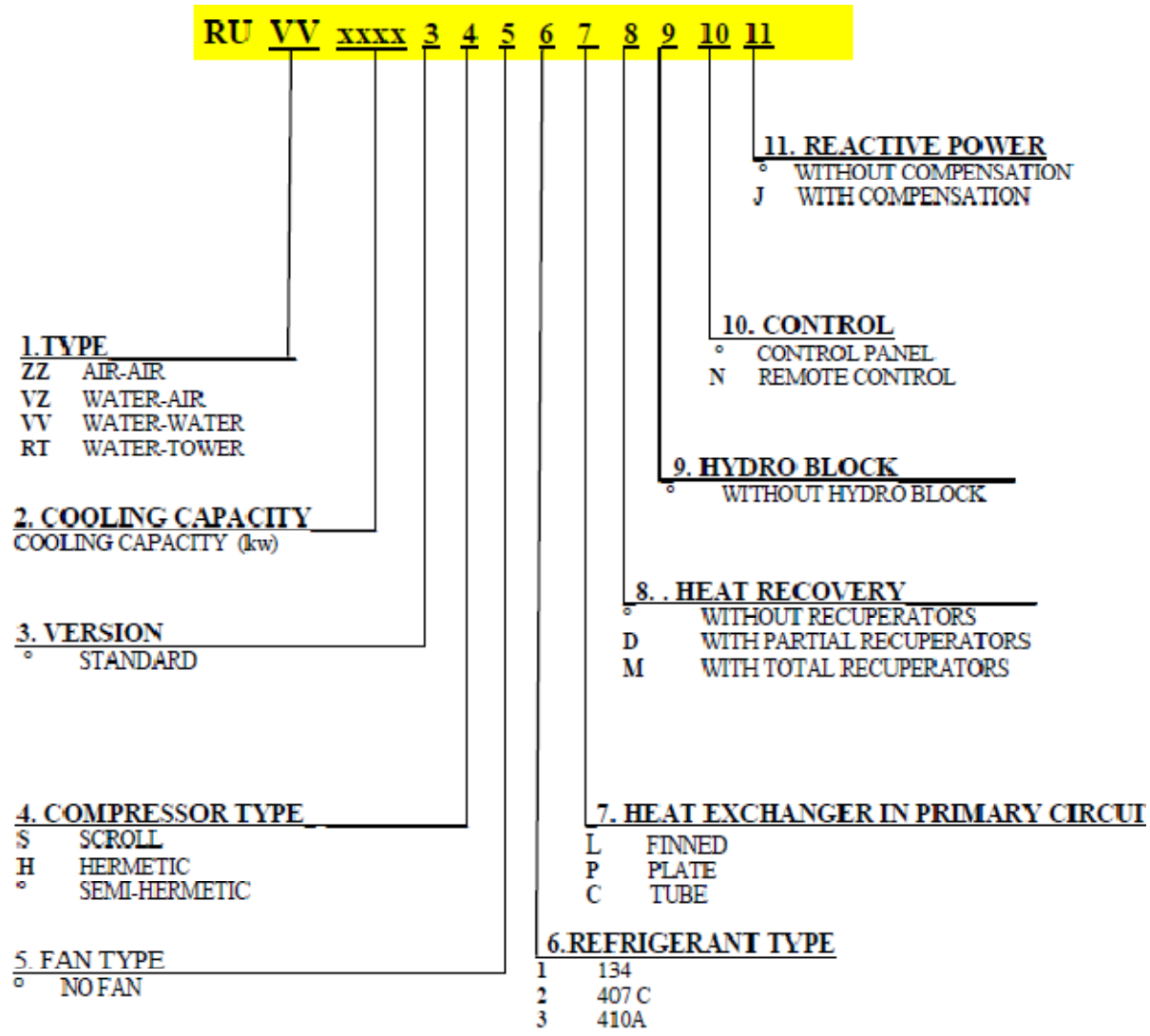
DIMENSIONS



MODEL		0020	0025	0028	0030	0035	0040	0043	0045	0050	0056	0057	0060	0062	0068	0070	0075
WIDTH A	mm	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
DEPHT B	mm	550	550	550	550	550	550	550	550	550	550	550	750	750	750	750	750
HEIGHT C	mm	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1400	1400	1400	1400	1400

MODEL		0080	0085	0090	0105	0110	0115	0120	0135	0136	0145	0170	0180	0205	0230	0270
WIDTH A	mm	1650	2050	2050	3050	3050	3050	3050	3050	3050	3050	3050	3050	3050	3050	3050
DEPHT B	mm	750	750	750	750	750	750	750	750	750	750	880	880	880	880	880
HEIGHT C	mm	1400	1400	1400	1400	1400	1600	1600	1600	1600	1600	1700	1700	1700	1700	1700

CONFIGURATION RULES



Commercial code example:
RU VV 0650 S2CMN
This is water to water chiller with 650 kW cooling capacity, standard version, with scroll compressors, refrigerant 407 C, tube heat exchanger in primary circuit, with total recuperators,without hydro block, with remote control and without reactive power compensation.

REVERSIBLE AIR TO AIR CHILLERS

TECHNICAL SPECIFICATIONS

MODEL		0010	0015	0020	0030	0035	0040	0050	0065	0055	0070
COOLING CAPACITY	kW	10,78	15,82	19,46	27,83	34,43	42,37	53,81	64,32	55,66	68,86
HEATING CAPACITY											
NUMBER OF FREON CIRCUITS	No	1	1	1	1	1	1	1	1	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	1	1	1	1	1	1	1	1	2	2
AIR FLOW RATE ON AGGREGATE UNIT	m³/h	3219	6013	7398	10580	13088	16108	20455	24450	21160	26176
AIR FLOW RATE ON EVAPORATOR UNIT	m³/h	3219	6013	7398	10580	13088	16108	20455	24450	21160	26176
MAXIMUM DISTANCE	m	50	50	50	50	50	50	50	50	50	50
MAXIMUM ALTITUDE	m	12	12	12	12	12	12	12	12	12	12
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
NOISE LEVEL	db	65	65	65	65	65	65	65	66	66	66
TOTAL INPUT POWER	kW	3,32	4,66	6,03	8,55	10,55	13	16,03	19,11	17,1	21,12
WEIGHT	kg	166	169	327	398	459	512	564	645	670	705

MODEL		0085	0105	0130	0060	0067	0080	0100	0125	0160	0190
COOLING CAPACITY	kW	84,74	107,62	128,64	58,38	67,32	83,49	103,29	127,11	161,43	192,96
HEATING CAPACITY											
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	2	2	2	3	3	3	3	3	3	3
AIR FLOW RATE ON AGGREGATE UNIT	m³/h	32216	40910	48900	12630	20102	32604	40338	49641	63000	75357
AIR FLOW RATE ON EVAPORATOR UNIT	m³/h	32216	40910	48900	12630	20102	32604	40338	49641	63000	75357
MAXIMUM DISTANCE	m	50	50	50	50	50	50	50	50	50	50
MAXIMUM ALTITUDE	m	12	12	12	12	12	12	12	12	12	12
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
NOISE LEVEL	db	66	67	67	66	66	66	67	67	67	67
TOTAL INPUT POWER	kW	26	32,06	38,22	18,09	22,32	25,65	31,8	39	48,09	57,33
WEIGHT	kg	890	1075	1137	897	916	1118	1215	1290	1870	2656

MODEL		0063	0071	0075	0095	0110	0140	0170	0215	0260
COOLING CAPACITY	kW	63,28	71,52	77,84	96,08	111,3	137,72	169,5	215,2	257,3
HEATING CAPACITY										
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	4	4	4	4	4	4	4	4	4
AIR FLOW RATE ON AGGREGATE UNIT	m³/h	18896	21356	23241	28689	33233	41115	50600	64260	76315
AIR FLOW RATE ON EVAPORATOR UNIT	m³/h	18896	21356	23241	28689	33233	41115	50600	64260	76315
MAXIMUM DISTANCE	m	50	50	50	50	50	50	50	50	50
MAXIMUM ALTITUDE	m	12	12	12	12	12	12	12	12	12
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
NOISE LEVEL	db	66	66	66	66	67	67	67	68	68
TOTAL INPUT POWER	kW	18,64	21,44	24,12	29,76	34,2	42,24	52	64,24	76,44
WEIGHT	kg	1072	1195	1240	1383	1406	1436	2179	3072	3237

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OPTIONS AND ACCESSORIES

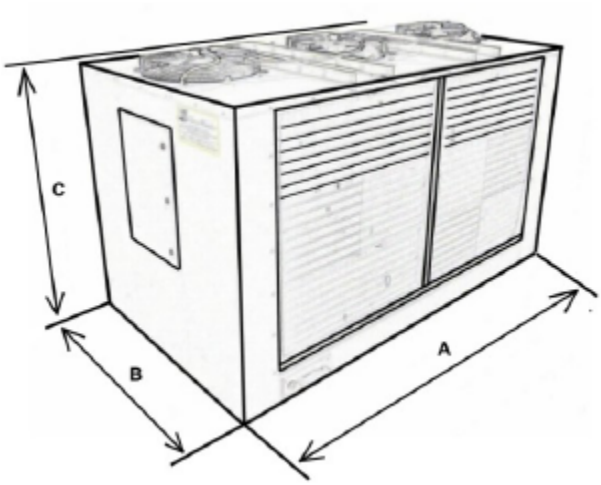
MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0070	0071	0075	0080	0085	0095	0100	0105	0110	0125	0130	0140
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0160	0170	0190	0215	0260
LOW NOISE VERSION	T	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•

X STANDARD
• ACCESSORIES

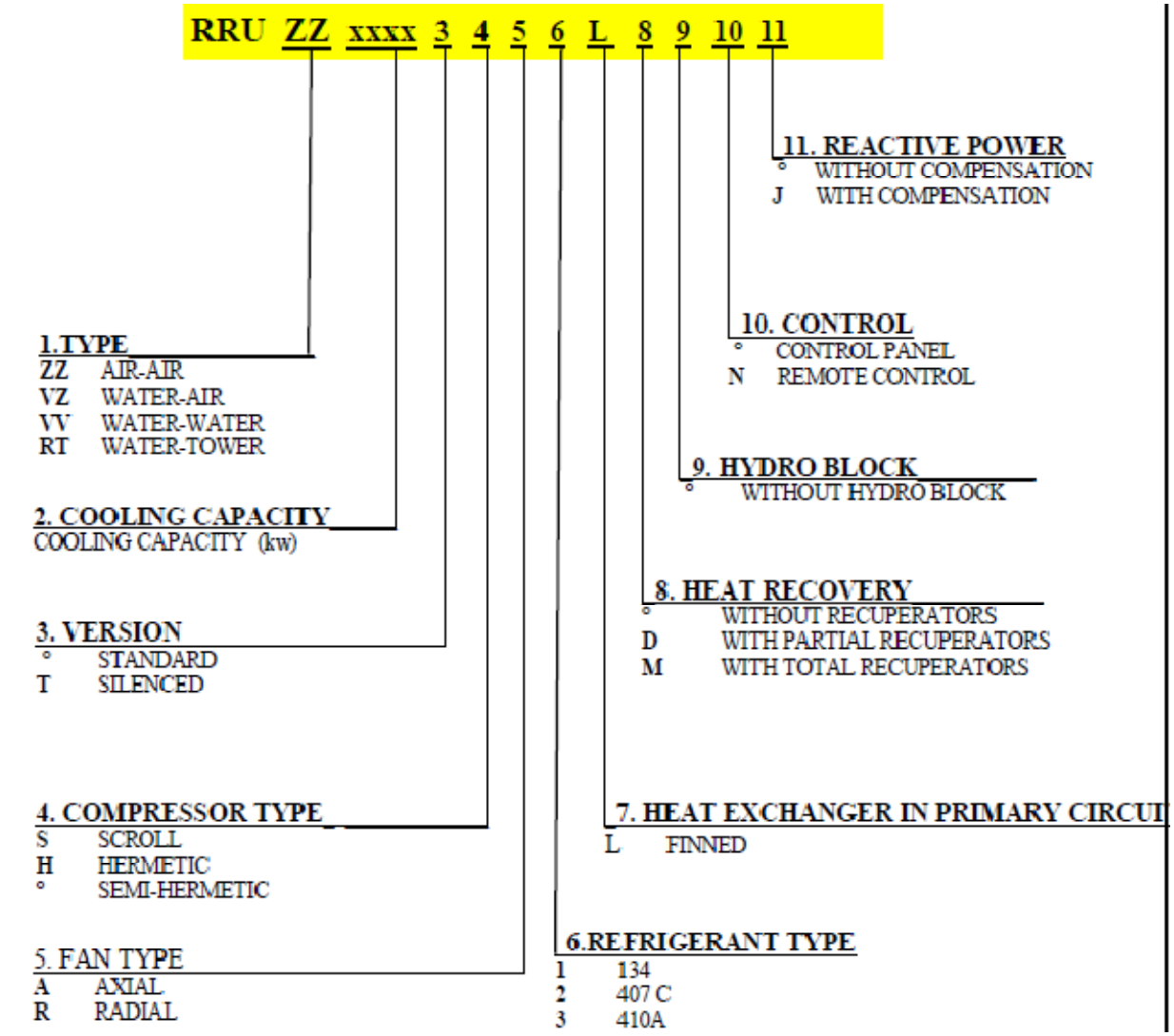
DIMENSIONS



MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067	0070	0071	0075
WIDTH A	mm	1400	1400	1400	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
DEPHT B	mm	800	800	800	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
HEIGHT C	mm	1000	1000	1000	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

MODEL		0080	0085	0095	0100	0105	0110	0125	0130	0140	0160	0170	0190	0215	0260
WIDTH A	mm	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
DEPHT B	mm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
HEIGHT C	mm	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300

CONFIGURATION RULES



Commercial code example:
RRU ZZ 0650TA2LMN
This is reversible air to air chiller with 650 kW cooling capacity, silenced version, with semi-hermetic compressors,axial fans, refrigerant 407 C, finned heat exchanger in primary circuit, with total recuperators,without hydro block, with remote control and without reactive power compensation.

REVERSIBLE AIR TO WATER CHILLERS

TECHNICAL SPECIFICATIONS

MODEL		0010	0015	0020	0030	0035	0040	0050	0065	0055	0070
COOLING CAPACITY	kW	10,78	15,82	19,46	27,83	34,43	42,37	53,81	64,32	55,66	68,86
HEATING CAPACITY	kW	11,45	16,74	20,91	29,81	36,7	45,48	56,97	68,36	59,62	73,4
NUMBER OF FREON CIRCUITS	No	1	1	1	1	1	1	1	1	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	1	1	1	1	1	1	1	1	2	2
FANS NUMBER	No	1	1	1	1	2	2	2	2	2	3
WATER FLOW RATE	l/h	1969	2879	3596	5962	6312	7822	9799	13670	11924	12624
AIR FLOW RATE	m³/h	4098	6013	7398	10580	13088	16108	20455	24450	21160	26176
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
EVAPORATOR PRESSURE DROP	bar	0,35	0,35	0,35	0,35	0,35	0,35	0,36	0,36	0,36	0,36
NOISE LEVEL	db	65	65	65	65	65	65	66	66	66	66
TOTAL INPUT POWER	kW	3,32	4,66	6,03	8,55	10,56	13	16,03	19,11	17,1	21,12
WEIGHT	kg	178	187	349	430	499	561	626	719	734	785

MODEL		0085	0105	0130	0060	0067	0080	0100	0125	0160	0190
COOLING CAPACITY	kW	84,74	107,62	128,64	58,38	67,32	83,49	103,29	127,11	161,43	192,96
HEATING CAPACITY	kW	90,96	113,94	136,72	62,73	77,37	89,43	110,1	136,44	170,9	205
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	2	2	2	3	3	3	3	3	3	3
FANS NUMBER	No	3	3	4							
WATER FLOW RATE	l/h	15644	19598	27340	10788	13307	17886	18936	23466	29397	41010
AIR FLOW RATE	m³/h	32216	40910	48900	12630	20102	32604	40338	49641	63000	75357
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
EVAPORATOR PRESSURE DROP	bar	0,36	0,37	0,38	0,36	0,36	0,37	0,37	0,37	0,38	0,39
NOISE LEVEL	db	66	67	68	65	66	66	67	67	68	68
TOTAL INPUT POWER	kW	26	32,06	38,22	18,09	22,32	25,65	31,8	39	48,09	57,33
WEIGHT	kg	988	1200	1287	964	994	1312	1318	1438	2058	2880

MODEL		0063	0071	0075	0095	0110	0140	0170	0215	0260	0165
COOLING CAPACITY	kW	63,28	71,52	77,84	96,08	111,3	137,72	169,5	215,2	257,3	162,5
HEATING CAPACITY	kW	66,96	75,36	83,64	103,16	119,24	146,8	181,9	227,9	273,4	158,25
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1
NUMBER OF COMPRESSORS/CIRCUITS	No	4	4	4	4	4	4	4	4	4	1
FANS NUMBER	No										
WATER FLOW RATE	l/h	11516	12961	14384	17743	23848	25248	31288	39196	54680	27950
AIR FLOW RATE	m³/h	18896	21356	23241	28689	33233	41115	50600	64260	76315	48524
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
EVAPORATOR PRESSURE DROP	bar	0,36	0,36	0,36	0,36	0,37	0,38	0,38	0,39	0,40	0,38
NOISE LEVEL	db	65	66	66	66	66	67	67	68	68	67
TOTAL INPUT POWER	kW	18,64	21,44	24,12	29,76	34,2	42,24	52	64,24	76,44	
WEIGHT	kg	1145	1278	1330	1495	1535	1596	2376	3323	3537	1630

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MODEL		0325	0490	0650	0810	0975	1140	1300
COOLING CAPACITY	kW	325	487,5	650	812,5	975	1137,5	1300
HEATING CAPACITY	kW	316,5	474,75	633	791,25	949	1107,2	1265
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	2	3	4	5	6	7	8
FANS NUMBER	No							
WATER FLOW RATE	l/h	55900	83850	111800	139750	167700	195650	223600
AIR FLOW RATE	m³/h	97048	145572	194096	242620	291144	339668	388192
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C
EVAPORATOR PRESSURE DROP	bar	0,40	0,40	0,41	0,41	0,42	0,43	0,44
NOISE LEVEL	db	68	68	68	68	68	68	68
TOTAL INPUT POWER	kW							
WEIGHT	kg	4043						

OPTIONS AND ACCESSORIES

MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

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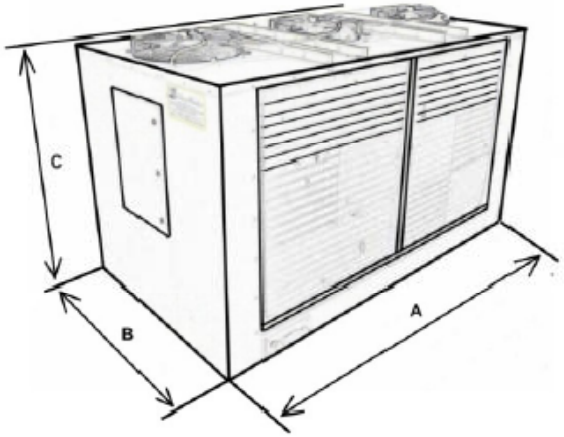
MODEL		0070	0071	0075	0080	0085	0095	0100	0105	0110	0125	0130	0140
LOW NOISE VERSION	T	•	•	•	•	•	•	•	•	•	•	•	•
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
AXIAL FANS	A	X	X	X	X	X	X	X	X	X	X	X	X
RADIAL FANS	R	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
WITH HYDRO BLOCK	B	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

X STANDARD
● ACCESSORIES

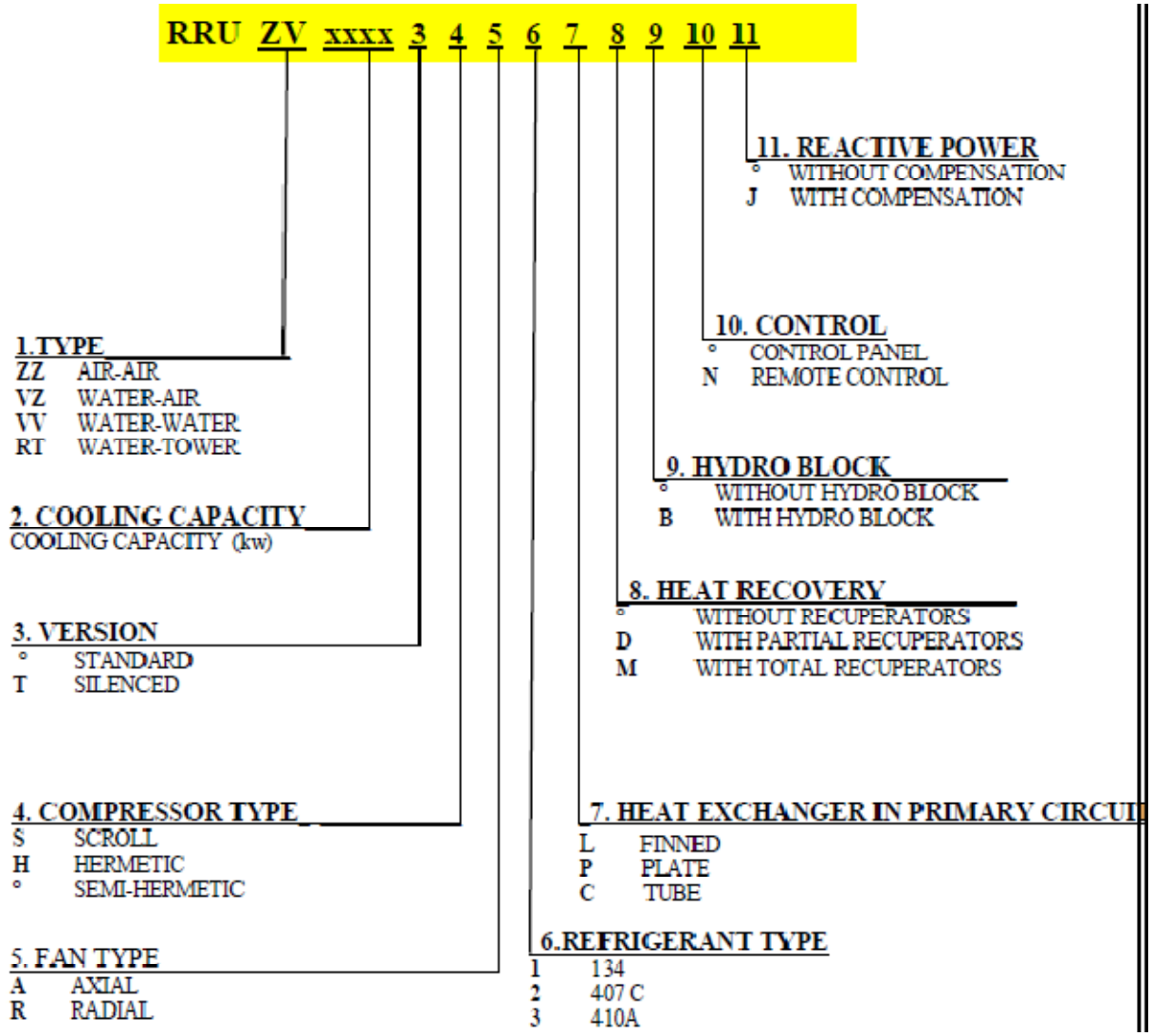
DIMENSIONS



MODEL		0010	0015	0020	0030	0035	0040	0050	0055	0060	0063	0065	0067	0070	0071	0075
WIDTH A	mm	1400	1400	1400	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
DEPHT B	mm	800	800	800	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
HEIGHT C	mm	1000	1000	1000	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

MODEL		0080	0085	0095	0100	0105	0110	0125	0130	0140	0160	0170	0190	0215	0260
WIDTH A	mm	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
DEPHT B	mm	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
HEIGHT C	mm	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300	2300

CONFIGURATION RULES



Commercial code example:
RRU ZV 0650SA2CMN
This is reversible air to water chiller with 650 kW cooling capacity, standard type, with scroll compressors, akxial fans, refrigerant 407 C, tube heat exchanger in primary circuit, with total recuperators,without hydro block, with remote control and without reactive power compensation.

REVERSIBLE WATER TO WATER CHILLERS

TECHNICAL SPECIFICATIONS

MODEL		0020	0025	0030	0035	0045	0057	0068	0028	0040	0050
COOLING CAPACITY	kW	20,76	25,60	29,66	36,73	45,02	57,19	58,15	28,46	41,52	51,2
HEATING CAPACITY	kW	24,2	29,87	34,54	42,61	52,66	66,28	79,34	32,92	48,4	59,74
NUMBER OF FREON CIRCUITS	No	1	1	1	1	1	1	1	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	1	1	1	1	1	1	1	2	2	2
WATER FLOW RATE IN PRIMARY CIRCUIT EXCHANGER	l/h	4152	5138	5941	7329	9057	11400	13646	5662	8325	10276
WATER FLOW RATE IN SECONDARY CIRCUIT EXCHANGER	l/h	4300	5418	6268	7766	9527	12031	14357	6000	8600	10836
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROP ON PRIMARY CIRCUIT EXCHANGER	bar	0,35	0,35	0,35	0,35	0,36	0,36	0,36	0,35	0,36	0,35
PRESSURE DROP ON SECONDARY CIRCUIT EXCHANGER	bar	0,35	0,35	0,35	0,35	0,35	0,36	0,36	0,35	0,35	0,35
TOTAL INPUT POWER	kW	7,11	8,78	10,01	12,51	15,34	18,92	22,55	9,56	14,22	17,56
WEIGHT	kg	168	224	236	256	312	355	419	217	322	393

MODEL		0060	0070	0090	0115	0136	0043	0062	0075	0080	0110
COOLING CAPACITY	kW	59,32	73,46	90,04	114,38	136,3	42,69	62,28	76,8	88,98	110,19
HEATING CAPACITY	kW	69,08	85,22	105,32	132,56	158,68	49,38	72,60	89,61	103,62	127,83
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	2	2	2	2	2	3	3	3	3	3
WATER FLOW RATE IN PRIMARY CIRCUIT EXCHANGER	l/h	11881	14658	18114	22800	27292	8493	12486	15414	17823	21987
WATER FLOW RATE IN SECONDARY CIRCUIT EXCHANGER	l/h	12536	15532	19054	24062	28714	9000	12900	16254	18804	23298
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROP ON PRIMARY CIRCUIT EXCHANGER	bar	0,36	0,36	0,37	0,38	0,38	0,36	0,36	0,37	0,37	0,37
PRESSURE DROP ON SECONDARY CIRCUIT EXCHANGER	bar	0,36	0,36	0,36	0,37	0,37	0,35	0,36	0,36	0,36	0,37
TOTAL INPUT POWER	kW	20,18	25,01	30,68	37,76	45,10	14,34	21,35	26,34	30,27	37,52
WEIGHT	kg	449	489	542	680	820	367	413	471	583	710

MODEL		0135	0170	0205	0056	0085	0105	0120	0145	0180	0230	0270
COOLING CAPACITY	kW	135,06	171,57	204,45	56,92	83,04	102,4	118,64	146,92	180	228,76	272,6
HEATING CAPACITY	kW	160,0	198,6	238,0								
NUMBER OF FREON CIRCUITS	No	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NUMBER OF COMPRESSORS/CIRCUITS	No	3	3	3	4	4	4	4	4	4	4	4
WATER FLOW RATE IN PRIMARY CIRCUIT EXCHANGER	l/h	27171	34200	40938	12000	17200	21672	25072	31064	38108	48124	57428
WATER FLOW RATE IN SECONDARY CIRCUIT EXCHANGER	l/h	28581	36093	43071	9790	14280	17612	20404	25264	30972	39348	46888
REFRIGERANT		R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C	R407C
PRESSURE DROP ON PRIMARY CIRCUIT EXCHANGER	bar	0,38	0,39	0,40	0,36	0,37	0,37	0,38	0,38	0,39	0,41	0,43
PRESSURE DROP ON SECONDARY CIRCUIT EXCHANGER	bar	0,37	0,38	0,39	0,36	0,36	0,37	0,37	0,38	0,38	0,39	0,41
TOTAL INPUT POWER	kW	46,02	56,75	67,65	19,12	28,46	35,12	40,36	50,03	61,36	75,66	90,20
WEIGHT	kg	930	1079	1256	692	786	853	924	1057	1204	1554	1792

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OPTIONS AND ACCESSORIES

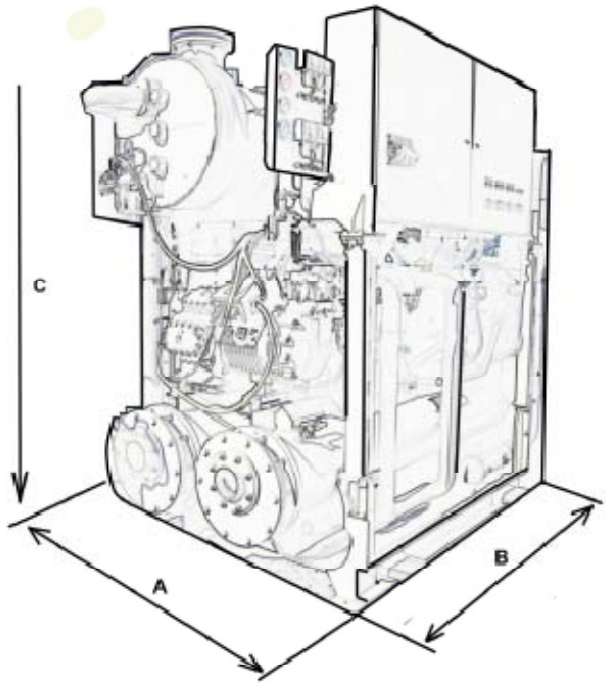
MODEL		0020	0025	0028	0030	0035	0040	0043	0045	0050	0056	0057	0060
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0062	0068	0070	0075	0080	0085	0090	0105	0110	0115	0120	0135
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•	•	•	•	•	•

MODEL		0136	0145	0170	0180	0205	0230	0270
HERMETIC COMPRESSOR	H	•	•	•	•	•	•	•
SEMI-HERMETIC COMPRESSOR		•	•	•	•	•	•	•
REFRIGERANT R134A	1	•	•	•	•	•	•	•
REFRIGERANT R407C	2	X	X	X	X	X	X	X
REFRIGERANT R410A	3	•	•	•	•	•	•	•
PLATE HEAT EXCHANGER IN PRIMARY CIRCUIT	P	•	•	•	•	•	•	•
FINNED HEAT EXCHANGER IN PRIMARY CIRCUIT	L	•	•	•	•	•	•	•
TUBE HEAT EXCHANGER IN PRIMARY CIRCUIT	C	X	X	X	X	X	X	X
WITH PARTIAL RECUPERATORS	D	•	•	•	•	•	•	•
WITH TOTAL RECUPERATORS	M	•	•	•	•	•	•	•
REMOTE CONTROL PANEL	N	•	•	•	•	•	•	•
WITH REACTIVE POWER COMPENSATOR	J	•	•	•	•	•	•	•

X STANDARD
• ACCESSORIES

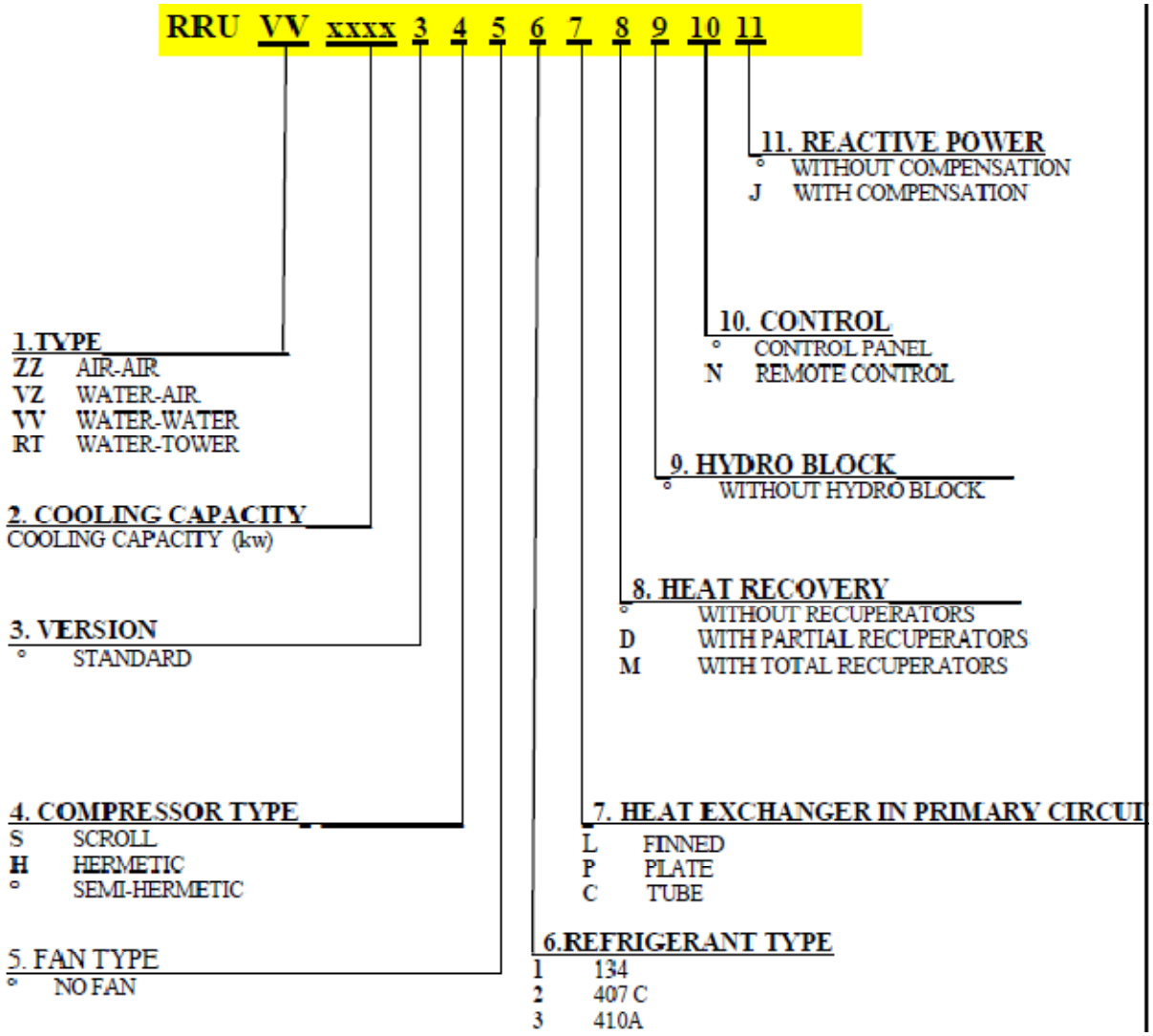
DIMENSIONS



MODEL		0020	0025	0028	0030	0035	0040	0043	0045	0050	0056	0057	0060	0062	0068	0070	0075
WIDTH A	mm	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650	1650
DEPHT B	mm	550	550	550	550	550	550	550	550	550	550	550	750	750	750	750	750
HEIGHT C	mm	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1250	1400	1400	1400	1400	1400

MODEL		0080	0085	0090	0105	0110	0115	0120	0135	0136	0145	0170	0180	0205	0230	0270
WIDTH A	mm	1650	2050	2050	3050	3050	3050	3050	3050	3050	3050	3050	3050	3050	3050	3050
DEPHT B	mm	750	750	750	750	750	750	750	750	750	750	880	880	880	880	880
HEIGHT C	mm	1400	1400	1400	1400	1400	1600	1600	1600	1600	1600	1700	1700	1700	1700	1700

CONFIGURATION RULES



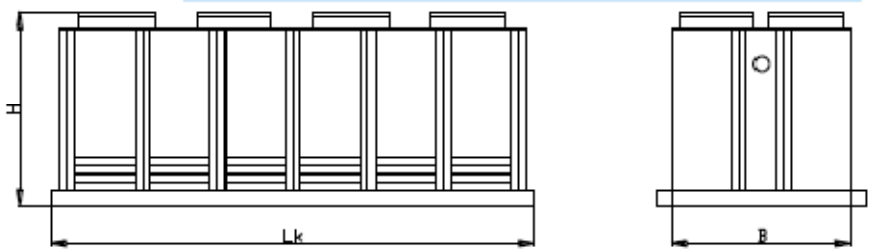
Commercial code example:
RRU VV 0650 S2CMN
This is reversible water to water chiller with 650 kW cooling capacity, standard type, with scroll compressors, refrigerant 407 C, tube heat exchanger in primary circuit, with total recuperators,without hydro block, with remote control and without reactive power compensation.

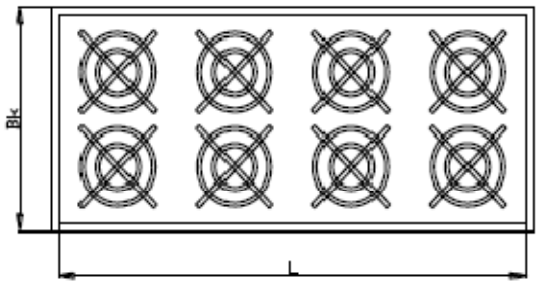
COOLING TOWERS

TECHNICAL SPECIFICATIONS

MODEL		NC 25	NC 50	NC 100	NC 150	NC 200
COOLING CAPACITY	kW	250	500	1000	1500	2000
FANS NUMBER	No	1	2	4	6	8
WATER FLOW RATE	m³/h	21	42	84	126	168
AIR FLOW RATE	m³/h	27000	54000	108000	162000	216000
MAXIMUM INPUT POWER	kW	2,2	4,4	8,8	13,2	17,6
NETTO WEIGHT	kg	645	1075	1850	2625	3400
WATER TANK WEIGHT	kg	95	180	315	410	520
OPERATING WEIGHT	kg	1250	2100	3650	5100	6600

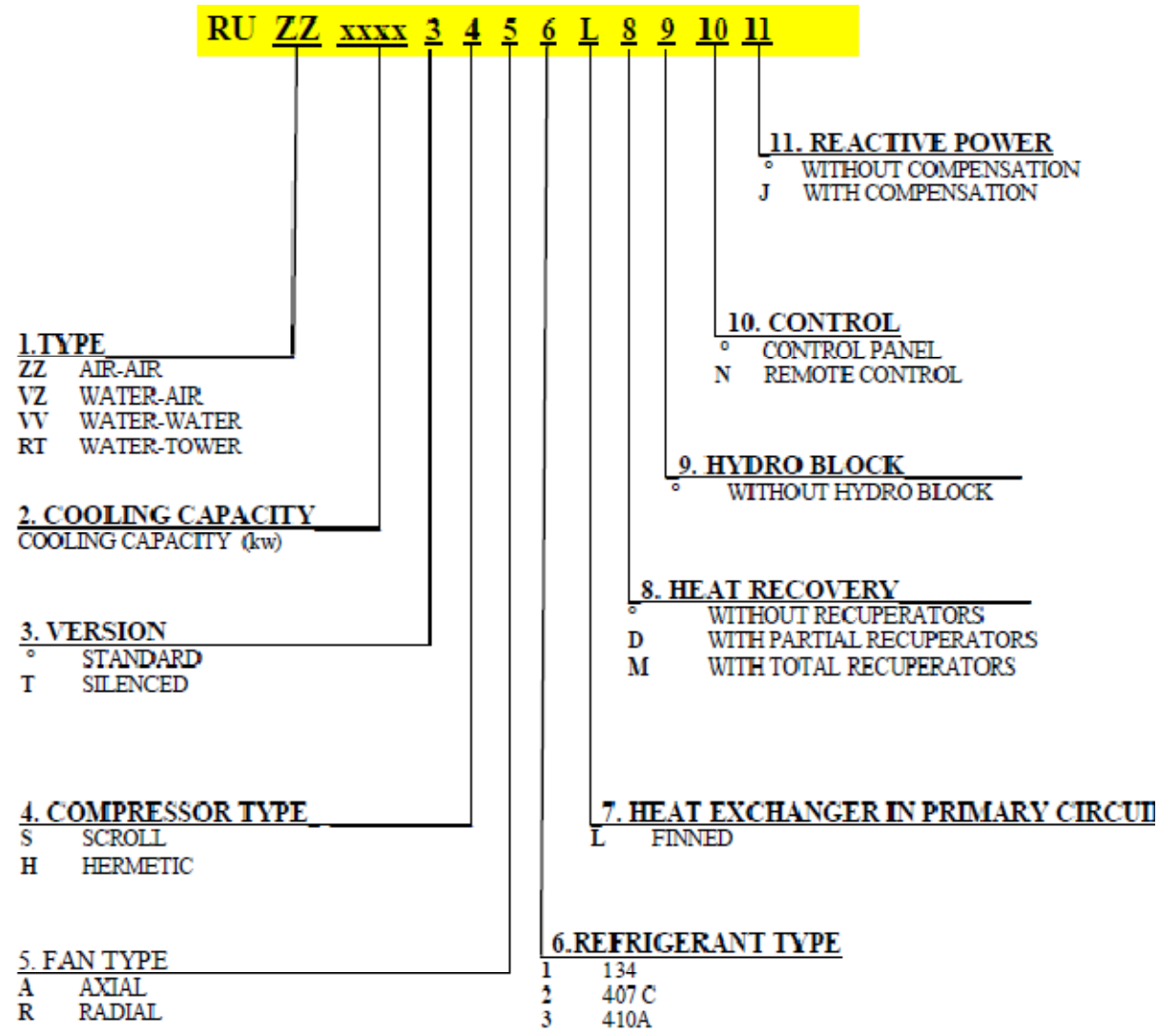
DIMENSIONS





MODEL		NC 25	NC 50	NC 100	NC 150	NC 200
H	mm	2730	2730	2730	2730	2730
L	mm	1192	1600	3108	4618	6126
B	mm	1210	2448	2448	2448	2448
Lk	mm	1400	1820	3330	4850	6350
Bk	mm	1400	2660	2660	2660	2660

CONFIGURATION RULES



Commercial code example:
RU ZZ 0650A2LMN
This is air to air chiller with 650 kW cooling capacities, low noise type with semi hermetic compressor, axial fans, refrigerant R407 C, fined heat exchanger in primary circuit, with total recuperators, without hydro block, with remote control and without reactive power compensation.