DAIKIN

EEDE01-7

Fan Coil Systems

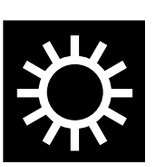
TECHNICAL DATA

DAIKIN
air conditioning systems

7

Cooling only

Heating only



Heat pump

I Fan Coil Units

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FAN COIL UNITS

CEILING SUSPENDED UNIT
CONCEALED CEILING UNIT
LOW WALL UNIT
CONCEALED LOW WALL UNIT

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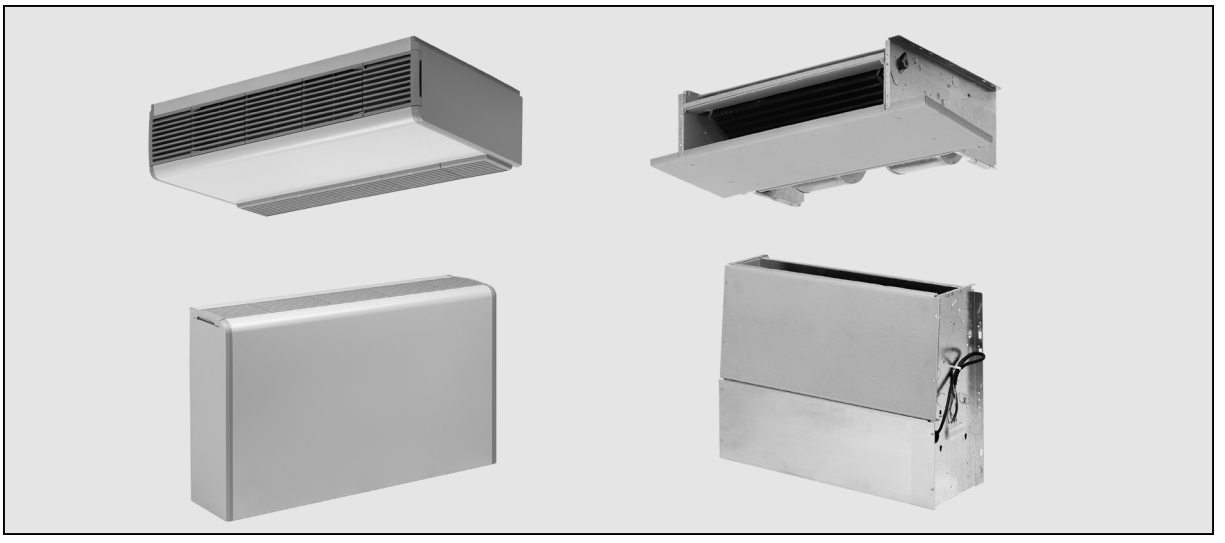
FWH(M)/FWV(M)

1 Features

- **Flexible**
  The units come in different capacities with an exceptionally wide range of accessories which enables them to meet a broad spectrum of individual customer requirements. The units are available in 2 and 4 pipe forms.
- **Quiet operating**
  The units are super silent in operation - a mere 19dB(A) at low fan speed (sound pressure level) - the only moving part being the fan.
- **Safe**
  A built-in thermostat prevents the units from overheating and ensures their safe operation throughout its working life.
- **Energy efficient**
  Substantial saving in electricity costs stem from the units' low power consumption and smooth performance characteristics.
- **Easy to maintain**
  An easy to remove, washable filter reduces unit cleaning and maintenance time to an absolute minimum.



2 Specifications

2-1 2-pipe series

NOMINAL CAPACITY and NOMINAL INPUT							
MODEL				**FW...1BA6V1**	**FW...2BA6V1**	**FW...3BA6V1**	**FW...4BA6V1**
POWER INPUT		high	W	38	66	60	84
		medium	W	26	43	43	56
		low	W	20	27	29	36
COOLING CAPACITY (1)	Total capacity		kW	1.31	1.98	2.90	3.89
	Sensible capacity		kW	1.03	1.51	2.16	2.92
HEATING CAPACITY (2)			kW	1.77	2.55	3.64	4.88

TECHNICAL SPECIFICATIONS							
MODEL				**FW...1BA6V1**	**FW...2BA6V1**	**FW...3BA6V1**	**FW...4BA6V1**
DIMENSIONS			mm	See 6. Dimensional drawings			
WEIGHT	FWV		kg	20.1	20.6	26.1	31.8
	FWVM		kg	14.6	15.1	19.5	23.8
	FWH		kg	20.9	22.1	27.7	33.3
	FWHM		kg	15.3	16.1	20.4	24.8
MATERIAL	FWV/FWH			Plastic + sheet metal			
	FWVM/FWHM			Sheet metal			
COLOUR							
SOUND LEVEL	Sound pressure FWV/FWH/FWHM	high	dBA	33	40	34	38
		medium	dBA	25	32	27	31
		low	dBA	20	23	19	23
	Sound pressure FWVM	high	dBA	36	43	37	42
		medium	dBA	28	35	30	34
		low	dBA	23	26	22	26
	Sound power	high	dB(A)	47	54	48	52
		medium	dB(A)	39	46	41	45
		low	dB(A)	34	37	33	37
CHILLED/HOT WATER FLOW			ℓ/s	0.063	0.095	0.138	0.186
WATER PRESSURE DROP	Cooling		kPa	9.50	10.9	8.35	7.92
	Heating		kPa	8.00	8.46	7.14	6.78
FAN	Type			Centrifugal multi-blade, double suction			
	Air flow rate	high	ℓ/s	71.5	91.6	128.8	177.4
		medium	ℓ/s	52.9	68.7	95.9	133.1
		low	ℓ/s	38.6	50.1	70.1	97.2
	Speed			3 steps: high, medium, low			
	Qty			1	1	2	2
MOTOR	Type			Closed induction, B class insulation, winding thermal cut-out			
HEAT EXCHANGER	Rows x stages x fin pitch		mm	2x1.5x1.8	3x2x1.6	3x3x1.8	3x4x2.1
	Face area		mm^2	0.086	0.086	0.138	0.191
	Water volume		ℓ	0.6	0.9	1.3	1.75
AIR FILTER	FWV, FWVM, FWHM			Class 1 self-extinguishing washable acrilic material			
	FWH			Plastic			
INSULATION MATERIAL				Class 1 self-extinguishing			
VIBRATION ISOLATOR				Rubber ring for fan motor			
PIPING CONNECTIONS	Water inlet/outlet		inch	1/2″	1/2″	1/2″	1/2″
	drain FWV(M)		mm	16	16	16	16
	drain FWH(M)		mm	17	17	17	17

2 Specifications

2-1 2-pipe series

NOMINAL CAPACITY and NOMINAL INPUT						
MODEL				**FW...6BA6V1**	**FW...8BA6V1**	**FW...10BA6V1**
POWER INPUT		high	W	110	180	242
		medium	W	79	128	166
		low	W	54	87	111
COOLING CAPACITY (1)	Total capacity		kW	4.60	6.29	7.84
	Sensible capacity		kW	3.62	4.76	5.96
HEATING CAPACITY (2)			kW	6.35	8.03	10.1

TECHNICAL SPECIFICATIONS						
MODEL				**FW...6BA6V1**	**FW...8BA6V1**	**FW...10BA6V1**
DIMENSIONS			mm	See 6. Dimensional drawings		
WEIGHT	FWV		kg	31.8	40.8	40.8
	FWVM		kg	24.6	31.8	31.8
	FWH		kg	33.3	42.3	43.1
	FWHM		kg	25.1	33.3	33.3
MATERIAL	FWV/FWH			Plastic + sheet metal		
	FWVM/FWHM			Sheet metal		
COLOUR						
SOUND LEVEL	Sound pressure FWV/FWH/FWHM	high	dBA	46	48	53
		medium	dBA	40	42	48
		low	dBA	32	35	40
	Sound pressure FWVM	high	dBA	49	51	56
		medium	dBA	43	45	51
		low	dBA	35	38	43
	Sound power	high	dB(A)	60	62	67
		medium	dB(A)	54	56	62
		low	dB(A)	46	49	54
CHILLED/HOT WATER FLOW			ℓ/s	0.219	0.300	0.374
WATER PRESSURE DROP	Cooling		kPa	12.1	9.90	13.0
	Heating		kPa	10.3	8.60	11.1
FAN	Type			Centrifugal multi-blade, double suction		
	Air flow rate	high	ℓ/s	228.9	300.5	371.9
		medium	ℓ/s	171.7	224.6	278.9
		low	ℓ/s	125.9	164.5	204.6
	Speed			3 steps: high, medium, low		
	Qty			2	2	2
MOTOR	Type			Closed induction, B class insulation, winding thermal cut-out		
HEAT EXCHANGER	Rows x stages x fin pitch		mm	3x4x1.8	3x6x2.1	3x6x1.8
	Face area		mm^2	0.191	0.292	0.292
	Water volume		ℓ	1.75	2.6	2.6
AIR FILTER	FWV, FWVM, FWHM			Class 1 self-extinguishing washable acrilic material		
	FWH			Plastic		
INSULATION MATERIAL				Class 1 self-extinguishing		
VIBRATION ISOLATOR				Rubber ring for fan motor		
PIPING CONNECTIONS	Water inlet/outlet		inch	1/2″	3/4″	3/4″
	drain FWV(M)		mm	16	16	16
	drain FWH(M)		mm	17	17	17

NOTES

1 Cooling capacity is based on room temperature 27°CDB, 19°CWB and entering water temperature 7°C, water temperature rise 5K.

2 Heating capacity is based on room temperature 20°CDB and entering water temperature 50°C, water flow rate as during cooling.

3 Air flow is based on external static pressure 0mmH_2O

4 Sound pressure levels are calculated in the following conditions: unit in free field condition on a reflecting plane, direction factor equal to 2 (FWVM = 4), distance from the unit: 1,5m.

5 The sound power level is an absolute value indicating the ''power'' which a sound source generates.

2 Specifications

2-2 4-pipe series

NOMINAL CAPACITY and NOMINAL INPUT							
MODEL				**FW...1BAF6V1**	**FW...2BAF6V1**	**FW...3BAF6V1**	**FW...4BAF6V1**
POWER INPUT		high	W	38	66	60	84
		medium	W	26	43	43	56
		low	W	20	27	29	36
COOLING CAPACITY (1)	Total capacity		kW	1.29	1.95	2.86	3.83
	Sensible capacity		kW	1.02	1.49	2.13	2.87
HEATING CAPACITY (2)			kW	1.90	2.49	3.68	4.74

TECHNICAL SPECIFICATIONS							
MODEL				**FW...1BAF6V1**	**FW...2BAF6V1**	**FW...3BAF6V1**	**FW...4BAF6V1**
DIMENSIONS			mm	See 6. Dimensional drawings			
WEIGHT	FWV		kg	21.2	21.7	27.4	33.5
	FWVM		kg	15.7	16.2	20.8	25.5
	FWH		kg	22	23.2	29	35
	FWHM		kg	16.4	17.2	21.7	26.5
MATERIAL	FWV/FWH			Plastic + sheet metal			
	FWVM/FWHM			Sheet metal			
COLOUR							
SOUND LEVEL	Sound pressure FWV/FWH/FWHM	high	dBA	33	40	34	38
		medium	dBA	25	32	27	31
		low	dBA	20	23	19	23
	Sound pressure FWVM	high	dBA	36	43	37	42
		medium	dBA	28	35	30	34
		low	dBA	23	26	22	26
	Sound power	high	dB(A)	47	54	48	52
		medium	dB(A)	39	46	41	45
		low	dB(A)	34	37	33	37
CHILLED/HOT WATER FLOW			ℓ/s	0.062	0.093	0.136	0.183
WATER PRESSURE DROP	Cooling		kPa	9.50	10.9	8.35	7.92
	Heating		kPa	3.51	5.45	14.49	7.66
FAN	Type			Centrifugal multi-blade, double suction			
	Air flow rate	high	ℓ/s	70	98.7	126.2	173.9
		medium	ℓ/s	51.9	67.4	93.9	130.4
		low	ℓ/s	37.9	49.0	68.7	95.3
	Speed			3 steps: high, medium, low			
	Qty			1	1	2	2
MOTOR	Type			Closed induction, B class insulation, winding thermal cut-out			
HEAT EXCHANGER	Rows x stages x fin pitch		mm	2x1.5x1.8	3x2x1.6	3x3x1.8	3x4x2.1
	Face area		mm^2	0.086	0.086	0.138	0.191
	Water volume		ℓ	0.6	0.9	1.3	1.75
AIR FILTER	FWV, FWVM, FWHM			Class 1 self-extinguishing washable acrilic material			
	FWH			Plastic			
INSULATION MATERIAL				Class 1 self-extinguishing			
VIBRATION ISOLATOR				Rubber ring for fan motor			
PIPING CONNECTIONS	Chilled water inlet and outlet		inch	1/2″	1/2″	1/2″	1/2″
	Hot water inlet and outlet		inch	1/2″	1/2″	1/2″	1/2″
	drain FWV(M)		mm	16	16	16	16
	drain FWH(M)		mm	17	17	17	17

2 Specifications

2-2 4-pipe series

NOMINAL CAPACITY and NOMINAL INPUT						
MODEL				**FW...6BAF6V1**	**FW...8BAF6V1**	**FW...10BAF6V1**
POWER INPUT		high	W	110	180	242
		medium	W	79	128	166
		low	W	54	87	111
COOLING CAPACITY (1)	Total capacity		kW	4.54	6.20	7.73
	Sensible capacity		kW	3.56	4.69	5.87
HEATING CAPACITY (2)			kW	6.05	8.07	10.2

TECHNICAL SPECIFICATIONS						
MODEL				**FW...6BAF6V1**	**FW...8BAF6V1**	**FW...10BAF6V1**
DIMENSIONS			mm	See 6. Dimensional drawings		
WEIGHT	FWV		kg	33.5	43.1	43.1
	FWVM		kg	26.3	34.1	34.1
	FWH		kg	35	44.6	45.4
	FWHM		kg	26.7	35.6	35.6
MATERIAL	FWV/FWH			Plastic + sheet metal		
	FWVM/FWHM			Sheet metal		
COLOUR						
SOUND LEVEL	Sound pressure FWV/FWH/FWHM	high	dBA	46	48	53
		medium	dBA	40	42	48
		low	dBA	32	35	40
	Sound pressure FWVM	high	dBA	49	51	56
		medium	dBA	43	45	51
		low	dBA	35	38	43
	Sound power	high	dB(A)	60	62	67
		medium	dB(A)	54	56	62
		low	dB(A)	46	49	54
CHILLED/HOT WATER FLOW			ℓ/s	0.216	0.295	0.368
WATER PRESSURE DROP	Cooling		kPa	12.1	9.90	13.0
	Heating		kPa	11.38	22.58	33
FAN	Type			Centrifugal multi-blade, double suction		
	Air flow rate	high	ℓ/s	224.3	294.5	364.5
		medium	ℓ/s	168.3	220.1	273.4
		low	ℓ/s	123.4	161.2	200.4
	Speed			3 steps: high, medium, low		
	Qty			2	2	2
MOTOR	Type			Closed induction, B class insulation, winding thermal cut-out		
HEAT EXCHANGER	Rows x stages x fin pitch		mm	3x4x1.8	3x6x2.1	3x6x1.8
	Face area		mm^2	0.191	0.292	0.292
	Water volume		ℓ	1.75	2.6	2.6
AIR FILTER	FWV, FWVM, FWHM			Class 1 self-extinguishing washable acrilic material		
	FWH			Plastic		
INSULATION MATERIAL				Class 1 self-extinguishing		
VIBRATION ISOLATOR				Rubber ring for fan motor		
PIPING CONNECTIONS	Chilled water inlet and outlet		inch	1/2″	3/4″	3/4″
	Hot water inlet and outlet		inch	1/2″	1/2″	1/2″
	drain FWV(M)		mm	16	16	16
	drain FWH(M)		mm	17	17	17

NOTES

1 Cooling capacity is based on room temperature 27°CDB, 19°CWB and entering water temperature 7°C, water temperature rise 5K.

2 Heating capacity is based on room temperature 20°CDB and entering water temperature 50°C, water flow rate as during cooling.

3 Air flow is based on external static pressure 0mmH_2O

4 Sound pressure levels are calculated in the following conditions: unit in free field condition on a reflecting plane, direction factor equal to 2 (FWVM = 4), distance from the unit: 1,5m.

5 The sound power level is an absolute value indicating the ''power'' which a sound source generates.

3 Capacity tables

3-1 Cooling capacities - 2-pipe series

Unit size FW.....1																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	205	718	718	279	978	841	397	1391	983	517	1811	1186	578	2024	1319	775	2714	1494	919	3217	1605
	4	134	624	624	167	778	778	256	1194	898	350	1634	1111	398	1856	1248	553	2581	1439	662	3087	1551
	5	99	577	577	119	695	695	163	951	797	245	1429	1026	285	1662	1168	413	2410	1369	504	2943	1493
	6	77	537	537	94	655	655	110	771	771	169	1183	928	205	1437	1078	317	2220	1294	395	2766	1425
	7	61	496	496	75	615	615	90	732	732	115	939	835	142	1162	974	246	2006	1213	315	2571	1351
	8	49	454	454	62	574	574	74	692	692	93	867	867	105	983	909	189	1762	1124	253	2355	1273
7	**3**	164	573	573	206	722	722	305	1068	845	429	1500	1055	491	1718	1191	692	2419	1372	836	2925	1486
	4	107	498	498	136	633	633	179	834	750	279	1301	975	328	1530	1115	487	2271	1314	598	2786	1433
	5	79	458	458	99	576	576	119	693	693	182	1061	881	225	1310	1030	357	2084	1242	450	2624	1371
	6	60	417	417	77	536	536	93	654	654	118	828	828	149	1039	929	268	1872	1163	348	2431	1300
	7	46	375	375	61	496	496	75	614	614	97	789	789	111	905	905	200	1628	1077	272	2216	1224
	8	35	329	329	49	454	454	62	573	573	80	750	750	93	865	865	143	1335	976	212	1973	1141
10	**3**	103	359	359	144	504	504	187	653	653	279	974	848	345	1205	990	554	1936	1187	700	2445	1305
	4	68	319	319	94	438	438	121	566	566	170	793	793	208	970	904	376	1752	1120	492	2293	1251
	5	48	277	277	68	398	398	89	515	515	121	706	706	147	858	858	263	1529	1042	360	2094	1181
	6	33	231	231	51	356	356	68	476	476	93	652	652	110	768	768	181	1264	953	267	1866	1105
	7	21	175	175	38	312	312	53	435	435	75	612	612	90	729	729	113	917	842	197	1602	1020
	8	-	-	-	28	262	262	42	392	392	62	572	572	74	690	690	93	863	863	138	1281	921
13	**3**	-	-	-	86	299	299	124	433	433	189	658	658	229	800	800	396	1383	993	548	1911	1120
	4	-	-	-	55	258	258	81	377	377	124	577	577	156	727	727	246	1145	814	369	1717	1057
	5	-	-	-	37	214	214	58	337	337	88	514	514	110	642	642	149	867	867	253	1473	980
	6	-	-	-	23	161	161	42	294	294	68	475	475	85	592	592	112	784	784	169	1177	890
	7	-	-	-	-	-	-	30	246	246	53	434	434	68	553	553	89	726	726	104	847	847
	8	-	-	-	-	-	-	20	188	188	42	391	391	55	512	512	74	688	688	86	802	802
16	**3**	-	-	-	-	-	-	68	239	239	126	441	441	169	589	589	230	801	801	371	1295	925
	4	-	-	-	-	-	-	42	196	196	81	377	377	110	509	509	158	733	733	221	1027	846
	5	-	-	-	-	-	-	25	146	146	58	336	336	78	455	455	113	653	653	138	802	802
	6	-	-	-	-	-	-	-	-	-	42	294	294	60	415	415	85	590	590	103	720	720
	7	-	-	-	-	-	-	-	-	-	30	246	246	46	373	373	68	551	551	82	666	666
	8	-	-	-	-	-	-	-	-	-	20	188	188	35	328	328	55	511	511	68	628	628

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....2																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	298	1042	1042	415	1452	1228	577	2021	1426	742	2598	1711	824	2884	1895	1096	3836	2142	1293	4528	2300
	4	199	931	931	252	1177	1102	382	1784	1320	512	2387	1617	577	2691	1809	789	3681	2074	938	4374	2235
	5	145	846	846	175	1023	1023	256	1493	1194	367	2141	1511	421	2459	1709	598	3486	1990	722	4214	2165
	6	113	791	791	137	960	960	162	1135	1047	264	1846	1388	313	2187	1596	466	3258	1896	572	4005	2080
	7	90	735	735	111	906	906	131	1073	1073	181	1473	1240	228	1861	1466	368	3000	1793	462	3772	1986
	8	73	676	676	91	850	850	109	1019	1019	136	1265	1161	159	1479	1321	290	2705	1678	377	3513	1885
7	**3**	240	840	840	298	1044	1044	451	1578	1231	621	2172	1524	707	2471	1715	981	3431	1968	1180	4126	2129
	4	156	729	729	201	939	939	278	1295	1112	415	1933	1424	482	2247	1621	700	3262	1898	850	3964	2063
	5	116	674	674	145	844	844	178	1034	1034	282	1642	1307	340	1980	1513	522	3040	1808	649	3782	1989
	6	88	618	618	113	789	789	137	958	958	181	1268	1162	237	1655	1387	398	2785	1709	508	3552	1900
	7	69	559	559	90	734	734	111	903	903	141	1154	1154	163	1333	1333	305	2490	1597	404	3292	1802
	8	53	494	494	72	675	675	91	848	848	118	1101	1101	136	1267	1267	230	2140	1472	322	2997	1695
10	**3**	151	526	526	212	742	742	271	946	946	415	1451	1232	506	1768	1430	793	2768	1702	994	3470	1870
	4	101	471	471	138	642	642	181	843	843	248	1153	1153	318	1483	1322	549	2556	1622	706	3288	1802
	5	71	413	413	101	587	587	130	756	756	180	1050	105	216	1257	1257	393	2286	1523	526	3060	1718
	6	50	347	347	76	529	529	100	702	702	137	954	954	165	1150	1150	281	1962	1410	399	2784	1620
	7	33	266	266	57	467	467	79	645	645	111	901	901	131	1067	1067	191	1557	1274	444	3614	2164
	8	-	-	-	43	396	396	63	585	585	91	846	846	109	1014	1014	135	1260	1260	223	2077	1386
13	**3**	-	-	-	126	439	439	184	643	643	272	950	950	328	1145	1145	578	2016	1429	784	2738	1604
	4	-	-	-	82	383	383	119	554	554	184	854	854	228	1059	1059	371	1727	1330	540	2512	1528
	5	-	-	-	55	321	321	86	499	499	130	754	754	165	957	957	234	1357	1209	381	2215	1431
	6	-	-	-	35	245	245	63	439	439	100	700	700	124	868	868	167	1165	1165	266	1853	1316
	7	-	-	-	-	-	-	46	371	371	79	644	644	100	814	814	131	1062	1062	170	1384	1176
	8	-	-	-	-	-	-	31	286	286	63	584	584	82	759	759	109	1010	1010	126	1173	1173
16	**3**	-	-	-	-	-	-	101	352	352	186	650	650	245	853	853	328	1143	1143	545	1899	1331
	4	-	-	-	-	-	-	63	293	293	119	553	553	163	758	758	229	1062	1062	338	1570	1231
	5	-	-	-	-	-	-	38	222	222	86	498	498	115	668	668	167	969	969	202	1170	1170
	6	-	-	-	-	-	-	-	-	-	63	438	438	88	613	613	124	864	864	154	1073	1073
	7	-	-	-	-	-	-	-	-	-	46	371	371	68	555	555	100	811	811	120	975	975
	8	-	-	-	-	-	-	-	-	-	31	286	286	53	492	492	81	756	756	99	923	923

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....3																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	430	1505	1505	607	2124	1755	843	2952	2045	1081	3783	2453	1199	4196	2716	1588	5559	3074	1871	6547	3304
	4	283	1320	1320	362	1687	1554	559	2610	1890	748	3491	2321	842	3929	2595	1148	5357	2983	1361	6351	3217
	5	206	1203	1203	247	1443	1443	368	2146	1689	537	3131	2164	617	3598	2450	872	5085	2866	1051	6133	3121
	6	161	1125	1125	195	1365	1365	227	1589	1459	381	2664	1969	456	3189	2279	681	4767	2729	836	5845	3001
	7	128	1044	1044	158	1287	1287	187	1526	1526	242	1973	1695	323	2640	2057	538	4391	2576	676	5519	2866
	8	103	959	959	129	1207	1207	155	1448	1448	189	1767	1616	222	2069	1839	422	3937	2398	551	5142	2717
7	**3**	346	1209	1209	432	1510	1510	661	2312	1760	907	3172	2182	1030	3603	2452	1424	4983	2821	1709	5977	3055
	4	222	1037	1037	287	1338	1338	404	1882	1579	608	2834	2038	706	3291	2320	1020	4754	2726	1236	5766	2967
	5	165	959	959	206	1201	1201	250	1455	1455	410	2390	1858	497	2900	2160	764	4447	2600	947	5156	2865
	6	126	878	878	160	1122	1122	195	1362	1362	237	1659	1576	340	2374	1955	584	4083	2455	744	5196	2739
	7	97	792	792	128	1042	1042	157	1284	1284	201	1641	1641	230	1877	1877	446	3640	2285	592	4827	2597
	8	75	700	700	103	958	958	129	1204	1204	168	1564	1564	193	1801	1801	329	3064	3064	471	4389	4389
10	**3**	214	749	749	305	1066	1066	392	1368	1368	611	2132	1756	742	2593	2039	1155	4035	2436	1443	5042	2678
	4	144	669	669	143	913	913	257	1198	1198	357	1664	1664	467	2177	1880	804	3743	2324	1031	4803	2587
	5	101	585	585	108	834	834	185	1076	1076	257	1493	1493	311	1808	1808	577	3360	2182	770	4484	2468
	6	70	491	491	81	751	751	143	997	997	194	1357	1357	232	1621	1621	412	2873	2010	586	4092	2329
	7	46	375	375	60	662	662	112	915	915	157	1280	1280	186	1518	1518	265	2159	1768	444	3614	2164
	8	-	-	-	179	560	560	89	829	829	129	1201	1201	155	1442	1442	193	1793	1793	321	2989	1959
13	**3**	-	-	-	117	624	624	264	920	920	394	1374	1374	475	1658	1658	847	2956	2038	1145	3995	2294
	4	-	-	-	78	544	544	169	788	788	263	1222	1222	329	1529	1529	547	2546	1897	792	3686	2188
	5	-	-	-	50	455	455	122	709	709	184	1072	1072	234	1359	1359	340	1974	1709	562	3265	2048
	6	-	-	-	-	345	345	89	623	623	143	995	995	177	1234	1234	238	1657	1657	390	2721	1875
	7	-	-	-	-	-	-	65	525	525	112	914	914	142	1157	1157	186	1511	1511	227	1850	1613
	8	-	-	-	-	-	-	43	404	404	89	827	827	116	1077	1077	154	1435	1435	179	1668	1668
16	**3**	-	-	-	-	-	-	143	500	500	268	933	933	354	1235	1235	475	1654	1654	801	2792	1897
	4	-	-	-	-	-	-	90	416	416	169	786	786	233	1082	1082	331	1536	1536	500	2323	1753
	5	-	-	-	-	-	-	54	313	313	122	707	707	163	949	949	238	1384	1384	291	1687	1687
	6	-	-	-	-	-	-	-	-	-	89	621	621	125	870	870	176	1228	1228	219	1525	1525
	7	-	-	-	-	-	-	-	-	-	65	525	525	97	787	787	142	1152	1152	171	1387	1387
	8	-	-	-	-	-	-	-	-	-	44	404	404	75	696	696	116	1073	1073	141	1311	1311

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....4																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		l/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	576	2018	2018	816	2857	2373	1137	3981	2766	1459	5108	3319	1619	5664	3674	2146	7510	4154	2528	8851	4461
	4	370	1727	1727	469	2190	2075	751	3506	2553	1009	4706	3140	1136	5300	3512	1550	7232	4032	1839	8580	4343
	5	269	1568	1568	323	1886	1886	484	2823	2258	721	4204	2922	830	4844	3312	1177	6865	3873	1421	8285	4216
	6	209	1460	1460	254	1779	1779	299	2093	2093	504	3522	2639	609	4263	3070	918	6425	3687	1128	7891	4053
	7	165	1350	1350	205	1672	1672	244	1988	1988	308	2511	2242	418	3411	2732	723	5900	3476	912	7443	3869
	8	133	1237	1237	168	1562	1562	202	1881	1881	252	2352	2352	282	2629	2438	563	5251	3224	742	6916	3664
7	**3**	461	1612	1612	579	2026	2026	890	3115	2382	1224	4281	2954	1391	4865	3321	1924	6730	3815	2309	8076	4129
	4	290	1353	1353	378	1764	1764	536	2500	2125	818	3814	2758	952	4436	3142	1378	6424	3687	1670	7787	4009
	5	214	1245	1245	268	1564	1564	324	1886	1886	546	3182	2501	668	3890	2920	1030	6002	3516	1278	7452	3872
	6	162	1135	1135	209	1458	1458	254	1774	1774	324	2265	2265	444	3106	2615	786	5497	3318	1003	7015	3701
	7	125	1021	1021	165	1348	1348	205	1668	1668	262	2140	2140	301	2453	2453	598	4871	3082	797	6503	3507
	8	96	897	897	133	1236	1236	167	1559	1559	218	2035	2035	252	2349	2349	429	4001	2769	632	5888	3283
10	**3**	279	976	976	405	1416	1416	525	1836	1836	822	2872	2380	1001	3498	2765	1559	5450	3298	1950	6810	3624
	4	186	868	868	255	1189	1189	338	1573	1573	478	2228	2228	627	2919	2545	1085	5053	3148	1392	6484	3501
	5	130	754	754	186	1081	1081	241	1401	1401	337	1962	1962	414	2410	2410	778	4525	2955	1040	6052	3342
	6	90	629	629	139	969	969	185	1293	1293	253	1769	1769	301	2103	2103	550	3838	2307	790	5515	3151
	7	58	476	476	104	850	850	145	1183	1183	204	1663	1663	243	1979	1979	321	2617	2308	595	4846	2923
	8	-	-	-	77	715	715	115	1067	1067	167	1557	1557	201	1874	1874	251	2338	2338	421	3918	2623
13	**3**	-	-	-	233	812	812	348	1216	1216	529	1846	1846	640	2232	2232	1144	3991	2765	1546	5392	3109
	4	-	-	-	151	703	703	220	1025	1025	348	1617	1617	440	2046	2046	737	3429	2573	1070	4977	2967
	5	-	-	-	100	583	583	158	917	917	240	1396	1396	306	1782	1782	449	2609	2304	757	4401	2776
	6	-	-	-	63	439	439	115	802	802	185	1290	1290	230	1607	1607	313	2181	2181	521	3636	2533
	7	-	-	-	-	-	-	83	672	672	145	1181	1181	185	1502	1502	242	1970	1970	287	2335	2335
	8	-	-	-		-	-	55	513	513	115	1065	1065	150	1393	1393	201	1866	1866	234	2174	2174
16	**3**	-	-	-	-	-	-	186	649	649	356	1241	1241	475	1657	1657	640	2229	2229	1082	3770	2576
	4	-	-	-	-	-	-	115	535	535	220	1022	1022	306	1423	1423	443	2060	2060	673	3129	2379
	5	-	-	-	-	-	-	69	399	399	158	915	915	213	1234	1234	315	1830	1830	389	2256	2256
	6	-	-	-	-	-	-	-	-	-	115	800	800	162	1127	1127	230	1600	1600	288	2003	2003
	7	-	-	-	-	-	-	-	-	-	83	672	672	125	1016	1016	184	1496	1496	222	1807	1807
	8	-	-	-	-	-	-	-	-	-	56	513	513	96	894	894	150	1389	1389	183	1703	1703

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....6																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	684	2393	2393	963	3372	2934	1344	4705	3389	1721	6026	4046	1911	6691	4482	2547	8919	5039	3011	10536	5395
	4	446	2081	2081	557	2601	2601	887	4141	3141	1192	5562	3845	1344	6275	4302	1831	8546	4881	2180	10172	5241
	5	301	1755	1755	384	2237	2237	582	3393	2824	852	4970	3594	982	5724	4071	1395	8135	4713	1679	9792	5086
	6	232	1624	1624	284	1989	1989	338	2367	2367	603	4218	3289	723	5058	3800	1086	7600	4496	1337	9354	4912
	7	183	1493	1493	228	1859	1859	272	222	222	347	2829	2829	512	4177	3456	855	6982	4255	1079	8808	4698
	8	146	1358	1358	185	1728	1728	224	2092	2092	283	2635	2635	321	2994	2994	670	6248	3979	878	8785	4465
7	**3**	548	1915	1915	687	2403	2403	1051	3673	2942	1447	5061	3632	1638	5733	4074	2279	7971	4645	2745	9600	5009
	4	326	1518	1518	453	2114	2114	638	2976	2654	965	4501	3402	1123	5240	3873	1624	7574	4486	1975	9210	4855
	5	238	1386	1386	301	1752	1752	394	2293	2293	650	3785	3119	790	4600	3620	1218	7099	4299	1511	8803	4698
	6	179	1254	1254	232	1622	1622	284	1985	1985	394	2752	2752	537	3757	3298	929	6495	4071	1187	8298	4507
	7	137	1119	1119	183	1491	1491	228	1856	1856	294	2400	2400	358	2921	2921	708	5775	3807	942	7685	4283
	8	105	976	976	146	1357	1357	185	1726	1726	244	2272	2272	282	2632	2632	521	4856	3484	748	6972	4033
10	**3**	320	1118	1118	483	1686	1686	623	2177	2177	969	3384	3384	1182	4127	3438	1839	6423	4044	2309	8065	4422
	4	207	962	962	286	1330	1330	406	1890	1890	568	2647	2647	741	3448	3185	1282	5970	3877	1639	7633	4266
	5	142	828	828	206	1200	1200	269	1566	1566	405	2360	2360	493	2870	2870	917	5337	3651	1229	7152	4095
	6	98	683	683	153	1067	1067	206	1436	1436	284	1981	1981	366	2554	2554	652	4553	3381	932	6507	3873
	7	63	511	511	114	928	928	160	1305	1305	228	1853	1853	272	2215	2215	420	3421	3008	704	5734	3618
	8	-	-	-	83	773	773	126	1168	1168	185	1724	1724	224	2087	2087	282	2624	2624	509	4740	3301
13	**3**	-	-	-	260	906	906	416	1452	1452	628	2190	2190	760	2653	2653	1344	4688	3426	1821	6352	3821
	4	-	-	-	167	775	775	246	1144	1144	415	1932	1932	522	2430	2430	868	4037	3208	1260	5862	3658
	5	-	-	-	109	636	636	174	1013	1013	269	1562	1562	369	2145	2145	538	3125	2914	891	5183	3439
	6	-	-	-	68	472	472	126	878	878	206	1434	1434	258	1798	1798	376	2621	2621	618	4311	3169
	7	-	-	-	-	-	-	90	729	729	160	1303	1303	205	1670	1670	273	2224	2224	361	2935	2765
	8	-	-	-	-	-	-	59	549	549	126	1167	1167	166	1540	1540	224	2082	2082	262	2438	2438
16	**3**	-	-	-	-	-	-	207	721	721	424	1477	1477	564	1966	1966	761	2651	2651	1266	4414	3201
	4	-	-	-	-	-	-	126	586	586	246	1142	1142	367	1705	1705	526	2445	2445	792	3680	2981
	5	-	-	-	-	-	-	74	431	431	174	1013	1013	237	1378	1378	377	2190	2190	462	2685	2685
	6	-	-	-	-	-	-	-	-	-	126	877	877	179	1249	1249	261	1817	1817	346	2412	2412
	7	-	-	-	-	-	-	-	-	-	90	729	729	137	1116	1116	205	1665	1665	249	2023	2023
	8	-	-	-	-	-	-	-	-	-	59	550	550	105	975	975	165	1537	1537	204	1897	1897

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....8																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	932	3262	3262	1320	4620	3867	1843	6450	4501	2365	8275	5394	2622	9177	5969	3484	12195	6741	4112	14388	7234
	4	593	2765	2765	755	3525	3525	1215	5669	4153	1634	7625	5106	1842	8596	5713	2512	11722	6535	2985	13924	7035
	5	414	2415	2415	500	2915	2915	779	4541	3673	1166	6799	4753	1344	7842	5390	1910	11142	6289	2304	13442	6830
	6	320	2236	2236	391	2737	2737	462	3233	3233	811	5674	4292	985	6888	4999	1488	10413	5990	1831	12809	6574
	7	252	2058	2058	314	2560	2560	375	3057	3057	458	3739	3547	669	5461	4438	1170	9550	5649	1479	12063	6280
	8	201	1875	1875	255	2382	2382	309	2882	2882	389	3624	3624	441	4114	4114	910	8482	5241	939	8754	4686
7	**3**	743	2598	2598	937	3279	3279	1440	5040	3883	1984	6941	4813	2253	7879	5407	3121	10917	6197	3751	13123	6701
	4	448	2087	2087	608	2834	2834	864	4031	3463	1323	6172	4493	1541	7186	5120	2232	10405	5989	2708	12624	6501
	5	328	1909	1909	414	2410	2410	517	3011	3011	881	5134	4078	1079	6290	4760	1670	9731	5719	2076	12097	6292
	6	247	1730	1730	319	2233	2233	391	2731	2731	517	3617	3617	715	4996	4265	1274	8900	5399	1627	11374	6014
	7	190	1545	1545	252	2057	2057	313	2556	2556	405	3299	3299	465	3791	3791	966	7874	5017	1292	10531	5701
	8	145	1349	1349	201	1874	1874	255	2380	2380	335	3126	3126	388	3618	3618	690	6433	4507	1022	9524	5338
10	**3**	431	1505	1505	653	2282	2282	850	2968	2968	1330	4646	3889	1622	5665	4517	2526	8819	5369	3162	11049	5891
	4	285	1326	1326	393	1830	1830	541	2521	2521	773	3602	3602	1013	4717	4160	1759	8191	5133	2254	10491	5687
	5	196	1143	1143	284	1653	1653	370	2153	2153	542	3152	3152	668	3890	3890	1258	7325	4818	1686	9813	5441
	6	135	945	945	211	1472	1472	283	1978	1978	390	2725	2725	481	3362	3362	887	6200	4426	1279	8929	5132
	7	87	707	707	157	1282	1282	221	1799	1799	313	2551	2551	374	3047	3047	493	4019	3713	962	7836	4765
	8	-	-	-	115	1070	1070	173	1613	1613	255	2376	2376	309	2873	2873	387	3606	3606	677	6305	4274
13	**3**	-	-	-	358	1248	1248	560	1955	1955	856	2988	2988	1038	3621	3621	1853	6468	4518	2501	8729	5064
	4	-	-	-	230	1070	1070	338	1575	1575	559	2601	2601	711	3307	3307	1192	5546	4206	1734	8067	4841
	5	-	-	-	151	879	879	240	1397	1397	370	2149	2149	491	2857	2857	724	4209	3773	1225	7123	4532
	6	-	-	-	94	653	653	174	1212	1212	283	1975	1975	355	2473	2473	502	3502	3502	843	5876	4143
	7	-	-	-	-	-	-	124	1008	1008	221	1798	1798	283	2299	2299	373	3037	3037	460	3739	3739
	8	-	-	-	-	-	-	82	761	761	173	1612	1612	228	2123	2123	308	2866	2866	360	3351	3351
16	**3**	-	-	-	-	-	-	285	992	992	574	2001	2001	769	2682	2682	1038	3619	3619	1750	6100	4211
	4	-	-	-	-	-	-	174	809	809	338	1571	1571	492	2285	2285	717	3332	3332	1089	5060	3896
	5	-	-	-	-	-	-	103	596	596	240	1395	1395	327	1896	1896	507	2945	2945	628	3645	3645
	6	-	-	-	-	-	-	-	-	-	174	1211	1211	247	1722	1722	354	2465	2465	461	3215	3215
	7	-	-	-	-	-	-	-	-	-	124	1008	1008	190	1541	1541	282	2292	2292	342	2781	2781
	8	-	-	-	-	-	-	-	-	-	82	762	762	145	1347	1347	228	2117	2117	281	2612	2612

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....10																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	1155	4042	4042	1635	5723	4826	2269	7946	5589	2885	10103	6653	3202	11209	7368	4262	14919	8311	5032	17620	8912
	4	758	3538	3538	984	4588	4309	1508	7039	5187	2016	9405	6348	2268	10580	7094	3067	14314	8051	3649	17020	8663
	5	479	2796	2796	655	3818	3818	1001	5836	4674	1450	8452	5942	1665	9705	6721	2346	13675	7785	2813	16401	8406
	6	368	2575	2575	452	3165	3165	580	4059	4059	1035	7242	5443	1234	8634	6276	1838	12861	7449	2251	15751	8141
	7	289	2359	2359	361	2948	2948	433	3533	3533	645	5262	4669	885	7223	5719	1454	11867	7055	1826	14903	7804
	8	229	2137	2137	293	2732	2732	356	3318	3318	450	4194	4194	543	5067	5067	1145	10685	6600	939	8754	939
7	**3**	928	3245	3245	1160	4056	4056	1780	6229	4838	2428	8492	5957	2748	9610	6681	3815	13344	7646	4590	16055	8262
	4	559	2604	2604	770	3590	3590	1095	5104	4371	1639	7639	5605	1902	8870	6372	2723	12695	7383	3308	15423	8009
	5	377	2199	2199	479	2792	2792	670	3905	3905	1113	6485	5141	1345	7840	5960	2058	11998	7104	2532	14760	7747
	6	283	1982	1982	368	2575	2575	452	3161	3161	670	4681	4681	927	6483	5436	1577	11027	6731	2006	14027	7467
	7	216	1760	1760	289	2358	2358	361	2945	2945	469	3823	3823	611	4985	4985	1210	9868	6299	1599	13043	7101
	8	164	1526	1526	229	2137	2137	293	2729	2729	387	3609	3609	450	4191	4191	901	8391	5772	1277	11892	6690
10	**3**	549	1918	1918	819	2860	2860	1052	3677	3677	1645	5748	4854	1999	6985	5627	3082	10765	6632	3865	13502	7272
	4	327	1524	1524	459	2138	2138	690	3213	3213	960	4473	4473	1265	5891	5216	2155	10034	6360	2748	12795	7014
	5	224	1303	1303	327	1901	1901	428	2490	2490	689	4008	4008	835	4858	4858	1558	9072	6011	2069	12044	6743
	6	153	1067	1067	241	1682	1682	326	2275	2275	469	3274	3274	623	4350	4350	1118	7805	5569	1583	11053	6398
	7	97	789	789	178	1454	1454	253	2058	2058	361	2941	2941	433	3526	3526	738	6008	4970	1204	9806	5977
	8	-	-	-	129	1204	1204	197	1834	1834	293	2727	2727	356	3312	3312	476	4428	4428	883	8211	5464
13	**3**	-	-	-	413	1441	1441	707	2465	2465	1058	3693	3693	1279	4464	4464	2256	7872	5592	3051	10649	6259
	4	-	-	-	263	1224	1224	391	1818	1818	705	3279	3279	883	4108	4108	1478	6876	5255	2116	9845	5989
	5	-	-	-	171	996	996	275	1602	1602	448	2607	2607	628	3648	3648	930	5405	4777	1517	8822	5656
	6	-	-	-	94	731	731	198	1379	1379	326	2272	2272	411	2864	2864	638	4452	4452	1062	7412	5214
	7	-	-	-	-	-	-	140	1137	1137	253	2056	2056	325	2647	2647	469	3819	3819	647	5268	4575
	8	-	-	-	-	-	-	91	849	849	197	1833	1833	262	2431	2431	355	3305	3305	444	4124	4124
16	**3**	-	-	-	-	-	-	328	1142	1142	719	2505	2505	952	3319	3319	1279	4456	4456	218	7414	7414
	4	-	-	-	-	-	-	198	921	921	392	1821	1821	624	2897	2897	889	4129	4129	1353	6287	4874
	5	-	-	-	-	-	-	115	669	669	276	1600	1600	377	2189	2189	640	3719	3719	782	4539	4539
	6	-	-	-	-	-	-	-	-	-	198	1378	1378	284	1976	1976	448	3121	3121	588	4098	4098
	7	-	-	-	-	-	-	-	-	-	140	1137	1137	216	1757	1757	325	2640	2640	425	3457	3457
	8	-	-	-	-	-	-	-	-	-	92	850	850	164	1526	1526	261	2428	2428	281	2612	2612

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....1																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	202	708	708	275	964	829	392	1371	969	510	1785	1169	570	1995	1301	764	2675	1473	905	3171	1582
	4	132	615	615	164	767	767	252	1177	885	345	1611	1095	392	1829	1230	545	2544	1418	652	3044	1529
	5	98	571	571	118	688	688	161	938	785	242	1409	1011	281	1638	1151	408	2376	1350	497	2899	1472
	6	76	532	532	93	648	648	107	749	710	167	1166	914	202	1416	1062	313	2188	1276	390	2726	1404
	7	60	492	492	75	609	609	89	724	724	114	932	825	140	1145	959	242	1978	1195	310	2535	1332
	8	48	450	450	61	569	569	73	685	685	89	832	788	105	976	897	186	1736	1107	249	2322	1254
7	**3**	161	565	565	203	711	711	301	1053	833	423	1479	1040	484	1694	1173	682	2384	1353	824	2882	1465
	4	106	493	493	134	624	624	176	822	739	275	1283	960	323	1509	1099	480	2238	1295	589	2747	1413
	5	78	453	453	98	570	570	118	686	686	180	1046	868	222	1292	1015	353	2054	1224	444	2586	1352
	6	59	413	413	76	531	531	93	647	647	117	820	820	146	1024	914	264	1845	1147	343	2397	1281
	7	46	371	371	60	491	491	74	607	607	96	780	780	110	895	895	197	1605	1060	268	2185	1206
	8	35	326	326	48	449	449	61	568	568	80	742	742	92	857	857	141	1315	961	209	1945	1124
10	**3**	102	355	355	142	496	496	184	644	644	275	961	835	340	1188	975	546	1910	1170	690	2410	1287
	4	68	316	316	93	433	433	120	558	558	168	781	781	206	957	890	371	1727	1104	485	2261	1233
	5	47	274	274	68	394	394	88	510	510	119	695	695	145	846	846	259	1508	1026	355	2064	1164
	6	33	229	229	51	353	353	67	471	471	92	645	645	109	760	760	178	1246	939	263	1840	1089
	7	21	173	173	38	309	309	53	431	431	74	606	606	89	722	722	111	902	828	194	1579	1005
	8	-	-	-	28	260	260	42	388	388	61	567	567	73	683	683	92	853	853	136	1262	907
13	**3**	-	-	-	85	296	296	123	427	427	186	648	648	226	789	789	391	1363	978	540	1885	1104
	4	-	-	-	55	256	256	80	374	374	122	568	568	154	717	717	243	1129	900	364	1693	1041
	5	-	-	-	37	212	212	57	334	334	88	509	509	109	632	632	147	854	854	250	1452	965
	6	-	-	-	23	160	160	42	292	292	67	470	470	84	586	586	111	772	772	166	1161	877
	7	-	-	-	-	-	-	30	245	245	53	430	430	67	547	547	88	719	719	103	835	835
	8	-	-	-	-	-	-	20	187	187	42	388	388	55	507	507	73	681	681	85	794	794
16	**3**	-	-	-	-	-	-	68	236	236	125	434	434	167	581	581	226	789	789	366	1277	911
	4	-	-	-	-	-	-	42	195	195	80	373	373	108	501	501	155	722	722	218	1013	833
	5	-	-	-	-	-	-	25	145	145	57	333	333	77	450	450	111	644	644	136	791	791
	6	-	-	-	-	-	-	-	-	-	42	291	291	59	411	411	84	584	584	102	710	710
	7	-	-	-	-	-	-	-	-	-	30	244	244	46	370	370	67	546	546	81	660	660
	8	-	-	-	-	-	-	-	-	-	20	187	187	35	325	325	54	506	506	67	621	621

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....2																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	292	1024	1024	408	1427	1206	568	1986	1401	729	2554	1681	810	2835	1863	1077	3771	2105	1271	4450	2261
	4	196	915	915	246	1148	1081	376	1754	1297	503	2347	1589	567	2645	1778	776	3619	2039	922	4301	2197
	5	143	835	835	172	1005	1005	252	1467	1173	361	2104	1484	415	2417	1679	588	3425	1956	710	4140	2129
	6	112	782	782	135	948	948	161	1124	1031	259	1814	1363	307	2150	1568	458	3203	1863	563	3937	2043
	7	89	726	726	110	894	894	130	1060	1060	177	1446	1217	224	1829	1440	362	2949	1761	454	3709	1952
	8	72	669	669	90	840	840	108	1007	1007	134	1254	1144	157	1466	1301	285	2659	1648	370	3453	1852
7	**3**	236	826	826	293	1026	1026	444	1551	1209	610	2135	1497	694	2429	1684	965	3373	1934	1160	4056	2093
	4	154	720	720	198	923	923	273	1273	1092	408	1900	1399	474	2209	1592	688	3207	1864	836	3897	2028
	5	114	666	666	143	832	832	174	1017	1017	277	1614	1283	334	1947	1486	513	2989	1776	638	3716	1955
	6	87	611	611	112	780	780	135	945	945	178	1244	1140	233	1627	1361	392	2738	1679	499	3491	1867
	7	68	553	553	89	725	725	109	892	892	140	1139	1139	161	1309	1309	300	2448	1569	397	3237	1771
	8	52	489	489	72	668	668	90	838	838	117	1087	1087	134	1250	1250	226	2103	1445	316	2946	1665
10	**3**	149	519	519	209	730	730	266	930	930	408	1427	1210	498	1738	1404	779	2723	1672	977	3412	1837
	4	100	465	465	136	633	633	178	829	829	243	1133	1133	313	1458	1298	540	2512	1593	695	3235	1770
	5	70	408	408	100	580	580	128	747	747	177	1032	1032	212	1236	1236	386	2247	1496	517	3008	1687
	6	49	344	344	75	523	523	99	693	693	135	942	942	162	1130	1130	276	1929	1384	392	2737	1592
	7	32	263	263	57	462	462	78	638	638	109	889	889	129	1054	1054	188	1529	1250	297	2420	1485
	8	-	-	-	42	392	392	62	578	578	90	836	836	108	1002	1002	134	1244	1244	219	2041	1361
13	**3**	-	-	-	124	433	433	181	632	632	267	933	933	322	1125	1125	568	1982	1403	772	2692	1576
	4	-	-	-	81	378	378	118	548	548	180	839	839	224	1041	1041	365	1698	1306	531	2470	1501
	5	-	-	-	55	317	317	85	493	493	128	744	744	162	941	941	230	1334	1187	375	2178	1405
	6	-	-	-	35	242	242	62	434	434	99	691	691	123	857	857	164	1144	1144	261	1822	1293
	7	-	-	-	-	-	-	45	367	367	78	636	636	99	804	804	129	1049	1049	167	1358	1153
	8	-	-	-	-	-	-	31	284	284	62	577	577	81	750	750	107	997	997	125	1158	1158
16	**3**	-	-	-	-	-	-	100	348	348	183	638	638	241	838	838	322	1123	1123	536	1867	1307
	4	-	-	-	-	-	-	62	290	290	117	546	546	160	744	744	225	1044	1044	332	1544	1209
	5	-	-	-	-	-	-	38	220	220	85	492	492	114	659	659	164	952	952	198	1150	1150
	6	-	-	-	-	-	-	-	-	-	62	433	433	87	606	606	122	853	853	151	1055	1055
	7	-	-	-	-	-	-	-	-	-	45	367	367	68	549	549	99	801	801	119	963	963
	8	-	-	-	-	-	-	-	-	-	31	284	284	52	486	486	80	747	747	98	912	912

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....3																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	423	1482	1482	598	2093	1727	830	2907	2013	1064	3724	2415	1181	4132	2674	1564	5472	3027	1841	6446	3253
	4	278	1298	1298	353	1645	1526	551	2570	1861	737	3437	2285	829	3869	2554	1130	5275	2938	1340	6254	3168
	5	204	1190	1190	245	1426	1426	362	2111	1661	529	3083	2130	607	3544	2412	859	5008	2821	1035	6035	3074
	6	159	1113	1113	193	1350	1350	225	1576	1440	375	2621	1936	449	3140	2241	671	4693	2688	823	5757	2954
	7	127	1033	1033	156	1274	1274	185	1510	1510	240	1957	1672	318	2594	2022	530	4323	2536	666	5434	2823
	8	102	950	950	128	1195	1195	154	1434	1434	188	1754	1595	220	2053	1815	416	3875	2359	543	5063	2675
7	**3**	340	1190	1190	425	1487	1487	651	2278	1732	893	3124	2147	1014	3547	2414	1402	4907	2777	1682	5883	3008
	4	220	1026	1026	282	1317	1317	397	1852	1553	598	2791	2006	695	3240	2284	1004	4682	2682	1218	5677	2922
	5	163	949	949	204	1187	1187	246	1431	1431	404	2353	1827	490	2855	2126	752	4380	2559	932	5430	2820
	6	124	869	869	159	1110	1110	193	1347	1347	235	1646	1554	334	2334	1921	575	4021	2416	732	5118	2696
	7	96	785	785	126	1032	1032	156	1270	1270	199	1623	1623	228	1856	1856	440	3583	2249	583	4754	2556
	8	74	693	693	102	949	949	128	1193	1193	166	1548	1548	191	1782	1782	323	3012	2041	464	4321	2396
10	**3**	212	740	740	300	1049	1049	386	1348	1348	601	2101	1727	731	2554	2006	1138	3975	2398	1421	4965	2636
	4	142	663	663	194	903	903	253	1179	1179	352	1639	1639	460	2143	1849	792	3686	2287	1016	4731	2547
	5	100	580	580	142	825	825	183	1064	1064	252	1469	1469	306	1780	1780	569	3309	2147	759	4415	2430
	6	70	487	487	107	744	744	141	987	987	192	1342	1342	228	1593	1593	405	2828	1976	577	4031	2291
	7	46	373	373	81	656	656	111	907	907	156	1267	1267	184	1502	1502	260	2115	1736	437	3559	2129
	8	-	-	-	60	555	555	88	821	821	128	1189	1189	153	1427	1427	191	1773	1773	316	2940	1926
13	**3**	-	-	-	177	617	617	259	905	905	388	1353	1353	468	1632	1632	834	2911	2005	1128	3934	2258
	4	-	-	-	116	538	538	168	780	780	258	1202	1202	324	1505	1505	539	2507	1866	780	3631	2153
	5	-	-	-	77	450	450	121	702	702	182	1060	1060	230	1337	1337	334	1942	1679	553	3217	2015
	6	-	-	-	49	342	342	88	617	617	141	984	984	175	1221	1221	234	1630	1630	384	2679	1844
	7	-	-	-	-	-	-	64	521	521	111	905	905	141	1145	1145	184	1494	1494	222	1803	1581
	8	-	-	-	-	-	-	43	401	401	88	820	820	115	1066	1066	153	1420	1420	178	1650	1650
16	**3**	-	-	-	-	-	-	142	495	495	264	919	919	349	1216	1216	467	1629	1629	789	2750	1866
	4	-	-	-	-	-	-	89	412	412	167	777	777	229	1063	1063	325	1511	1511	493	2289	1724
	5	-	-	-	-	-	-	54	311	311	120	700	700	162	939	939	235	1362	1362	286	1661	1661
	6	-	-	-	-	-	-	-	-	-	88	616	616	124	862	862	174	1215	1215	215	1500	1500
	7	-	-	-	-	-	-	-	-	-	64	520	520	96	780	780	140	1140	1140	169	1371	1371
	8	-	-	-	-	-	-	-	-	-	43	401	401	74	690	690	114	1062	1062	140	1298	1298

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....4																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	568	1987	1987	804	2814	2336	1120	3921	2723	1437	5030	3268	1594	5581	3618	2113	7395	4091	2489	8716	4394
	4	364	1697	1697	461	2151	2040	740	3453	2512	993	4636	3090	1119	5222	3456	1527	7125	3971	1811	8450	4279
	5	266	1551	1551	320	1865	1865	476	2774	2221	710	4140	2875	818	4771	3260	1159	6762	3813	1399	8156	4153
	6	207	1446	1446	252	1760	1760	296	2071	2071	495	3462	2593	599	4196	3020	904	6328	3631	1111	7772	3991
	7	164	1338	1338	203	1655	1655	241	1966	1966	305	2493	2213	409	3341	2681	712	5810	3421	898	7328	3811
	8	131	1226	1226	166	1548	1548	200	1862	1862	238	2224	2112	280	2610	2406	554	5166	3170	731	6810	3608
7	**3**	454	1586	1586	570	1994	1994	877	3068	2345	1206	4216	2908	1370	4791	3269	1895	6628	3756	2273	7955	4066
	4	287	1338	1338	372	1735	1735	527	2460	2089	806	3757	2714	937	4370	3092	1357	6325	3630	1645	7671	3949
	5	212	1233	1233	266	1547	1547	319	1859	1859	537	3130	2460	658	3831	2873	1015	5911	3462	1259	7337	3814
	6	161	1124	1124	206	1442	1442	251	1756	1756	318	2222	2222	436	3049	2569	775	5414	3266	988	6907	3645
	7	124	1012	1012	164	1335	1335	202	1650	1650	260	2118	2118	297	2425	2425	588	4795	3031	785	6404	3453
	8	95	890	890	131	1224	1224	166	1545	1545	216	2015	2015	249	2323	2323	422	3927	2720	622	5796	3231
10	**3**	276	965	965	399	1394	1394	517	1808	1808	810	2829	2342	987	3445	2721	1537	5368	3248	1920	6707	3568
	4	184	859	859	253	1177	1177	332	1546	1546	471	2193	2193	617	2874	2503	1069	4977	3099	1372	6391	3447
	5	128	748	748	184	1070	1070	238	1386	1386	331	1929	1929	407	2371	2371	766	4457	2908	1024	5963	3289
	6	89	624	624	138	961	961	183	1281	1281	251	1750	1750	296	2064	2064	541	3777	2667	778	5432	3101
	7	58	473	473	103	842	842	144	1172	1172	202	1646	1646	240	1957	1957	308	2508	2247	586	4771	2875
	8	-	-	-	76	710	710	114	1057	1057	166	1541	1541	199	1855	1855	249	2314	2314	413	3845	2575
13	**3**	-	-	-	230	804	804	343	1196	1196	521	1818	1818	630	2198	2198	1127	3933	2721	1523	5316	3060
	4	-	-	-	150	696	696	218	1015	1015	342	1590	1590	433	2013	2013	726	3378	2531	1054	4903	2920
	5	-	-	-	99	578	578	156	908	908	238	1382	1382	301	1750	1750	441	2564	2265	746	4335	2732
	6	-	-	-	63	436	436	114	795	795	183	1278	1278	228	1590	1590	307	2142	2142	513	3579	2492
	7	-	-	-	-	-	-	82	667	667	144	1170	1170	183	1487	1487	240	1949	1949	282	2293	2293
	8	-	-	-	-	-	-	55	510	510	114	1056	1056	148	1380	1380	199	1847	1847	231	2152	2152
16	**3**	-	-	-	-	-	-	184	643	643	350	1221	1221	468	1632	1632	630	2195	2195	1066	3714	2534
	4	-	-	-	-	-	-	114	531	531	218	1012	1012	301	1398	1398	436	2027	2027	663	3083	2340
	5	-	-	-	-	-	-	68	397	397	156	906	906	210	1222	1222	310	1800	1800	382	2220	2220
	6	-	-	-	-	-	-	-	-	-	114	793	793	160	1117	1117	227	1583	1583	283	1968	1968
	7	-	-	-	-	-	-	-	-	-	82	667	667	124	1006	1006	182	1481	1481	220	1787	1787
	8	-	-	-	-	-	-	-	-	-	55	510	510	95	886	886	148	1375	1375	182	1686	1686

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....6																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	674	2360	2360	950	3325	2889	1326	4641	3338	1698	5945	3987	1886	6598	4417	2512	8791	4967	2968	10389	5317
	4	439	2049	2049	550	2564	2564	875	4084	3094	1175	5486	3787	1326	6187	4238	1807	8428	4813	2150	10031	5167
	5	298	1739	1739	377	2201	2201	573	3343	2780	840	4902	3539	968	5644	4010	1375	8024	4642	1657	9657	5016
	6	230	1609	1609	282	1970	1970	333	2328	2328	594	4156	3236	713	4987	3742	1071	7495	4430	1318	9224	4841
	7	181	1480	1480	226	1843	1843	270	2200	2200	340	2776	2776	504	4110	3399	844	6884	4192	1064	8683	4632
	8	145	1348	1348	184	1714	1714	222	2074	2074	280	2609	2609	318	2965	2965	660	6158	3917	866	8070	4401
7	**3**	540	1888	1888	677	2369	2369	1036	3623	2897	1427	4994	3578	1617	5655	4014	2247	7863	4577	2706	9464	4937
	4	322	1503	1503	447	2083	2083	629	2934	2612	952	4439	3351	1108	5167	3814	1603	7472	4421	1948	9084	4786
	5	236	1374	1374	298	1736	1736	387	2258	2258	640	3730	3068	779	4536	3564	1201	6999	4236	1490	8686	4631
	6	178	1244	1244	230	1607	1607	281	1967	1967	387	2707	2707	529	3699	3244	916	6405	4010	1170	8182	4441
	7	136	1111	1111	181	1478	1478	226	1840	1840	292	2377	2377	353	2875	2875	698	5694	3747	929	7579	4220
	8	104	969	969	145	1347	1347	184	1712	1712	241	2250	2250	280	2607	2607	513	4780	3426	737	6874	3970
10	**3**	314	1098	1098	476	1663	1663	615	2148	2148	955	3338	2917	1165	4070	3384	1814	6336	3984	2276	7956	4357
	4	205	954	954	283	1317	1317	400	1862	1862	560	2609	2609	730	3401	3133	1264	5888	3818	1617	7533	4203
	5	141	821	821	204	1189	1189	266	1550	1550	399	2324	2324	486	2829	2829	904	5265	3594	1212	7054	4033
	6	97	678	678	152	1059	1059	204	1424	1424	281	1963	1963	360	2516	2516	643	4488	3327	919	6417	3815
	7	62	508	508	113	921	921	159	1294	1294	225	1836	1836	269	2195	2195	412	3357	2954	694	5654	3561
	8	-	-	-	83	768	768	125	1159	1159	184	1710	1710	222	2069	2069	279	2598	2598	501	4667	3247
13	**3**	-	-	-	257	898	898	410	1432	1432	619	2159	2159	749	2615	2615	1326	4627	3374	1796	6266	3764
	4	-	-	-	165	769	769	244	1133	1133	409	1903	1903	515	2397	2397	856	3982	3158	1244	5787	3603
	5	-	-	-	109	631	631	173	1005	1005	266	1547	1547	364	2113	2113	529	3079	2866	880	5112	3387
	6	-	-	-	67	469	469	125	871	871	204	1422	1422	255	1781	1781	370	2581	2581	609	4250	3119
	7	-	-	-	-	-	-	89	724	724	159	1292	1292	203	1655	1655	269	2187	2187	352	2866	2712
	8	-	-	-	-	-	-	59	546	546	125	1159	1159	164	1528	1528	222	2062	2062	260	2414	2414
16	**3**	-	-	-	-	-	-	205	714	714	418	1456	1456	556	1939	1939	750	2614	2614	1250	4357	3152
	4	-	-	-	-	-	-	125	582	582	243	1131	1131	362	1680	1680	519	2411	2411	782	3630	2933
	5	-	-	-	-	-	-	74	428	428	173	1004	1004	235	1366	1366	372	2158	2158	456	2645	2645
	6	-	-	-	-	-	-	-	-	-	125	870	870	178	1238	1238	256	1781	1781	341	2374	2374
	7	-	-	-	-	-	-	-	-	-	89	724	724	136	1108	1108	203	1650	1650	247	2004	2004
	8	-	-	-	-	-	-	-	-	-	59	547	547	104	968	968	164	1524	1524	202	1880	1880

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....8																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	918	3215	3215	1301	4554	3809	1817	6359	4434	2332	8161	5317	2585	9049	5883	3434	12019	6645	4051	14182	7130
	4	583	2718	2718	744	3470	3470	1197	5587	4091	1610	7517	5030	1816	8472	5630	2476	11558	6442	2942	13725	6937
	5	410	2391	2391	495	2886	2886	765	4464	3613	1149	6700	4683	1325	7728	5311	1882	10983	6198	2272	13251	6736
	6	317	2217	2217	387	2710	2710	457	3200	3200	798	5581	4223	969	6784	4920	1467	10262	5904	1804	12625	6480
	7	250	2040	2040	311	2538	2538	371	3028	3028	455	3714	3502	655	5350	4359	1154	9411	5566	1457	11892	6187
	8	199	1859	1859	253	2362	2362	306	2855	2855	385	3588	3588	437	4072	4072	896	8351	5159	1184	11037	5861
7	**3**	732	2559	2559	923	3229	3229	1421	4968	3825	1956	6842	4741	2221	7771	5328	3077	10761	6108	3698	12932	6606
	4	443	2067	2067	598	2787	2787	851	3969	3409	1305	6083	4427	1520	7082	5044	2201	10262	5904	2670	12446	6409
	5	325	1891	1891	410	2387	2387	507	2954	2954	867	5055	4014	1063	6198	4687	1646	9593	5634	2045	11924	6200
	6	245	1714	1714	317	2214	2214	387	2705	2705	508	3550	3550	702	4906	4192	1255	8772	5319	1604	11210	5927
	7	188	1533	1533	250	2038	2038	311	2532	2532	401	3267	3267	460	3753	3753	951	7756	4940	1273	10380	5617
	8	144	1339	1339	199	1858	1858	253	2359	2359	332	3097	3097	384	3583	3583	678	6316	4430	1007	9384	5257
10	**3**	426	1489	1489	643	2247	2247	837	2926	2926	1311	4580	3830	1599	5586	4449	2490	8696	5291	3117	10891	5806
	4	282	1314	1314	389	1813	1813	532	2479	2479	762	3549	3549	998	4648	4096	1734	8074	5056	2222	10347	5605
	5	195	1134	1134	281	1638	1638	366	2133	2133	532	3097	3097	658	3830	3830	1240	7221	4745	1662	9673	5361
	6	134	938	938	209	1460	1460	281	1961	1961	386	2699	2699	472	3295	3295	875	6107	4358	1261	8801	5057
	7	86	703	703	156	1272	1272	219	1785	1785	310	2528	2528	370	3017	3017	481	3921	3921	948	7720	4692
	8	-	-	-	114	1063	1063	172	1600	1600	253	2355	2355	306	2848	2848	384	3571	3571	665	6192	4202
13	**3**	-	-	-	354	1236	1236	552	1925	1925	844	2944	2944	1022	3568	3568	1828	6377	4451	2467	8608	4990
	4	-	-	-	228	1061	1061	335	1560	1560	550	2560	2560	700	3256	3256	1176	5468	4142	1710	7952	4769
	5	-	-	-	150	872	872	238	1385	1385	366	2129	2129	483	2806	2806	711	4137	3710	1207	7022	4464
	6	-	-	-	93	649	649	172	1202	1202	281	1958	1958	351	2449	2449	494	3444	3444	829	5786	4076
	7	-	-	-	-	-	-	123	1001	1001	219	1782	1782	280	2279	2279	370	3008	3008	452	3674	3674
	8	-	-	-	-	-	-	81	757	757	172	1599	1599	226	2105	2105	305	2837	2837	357	3320	3320
16	**3**	-	-	-	-	-	-	282	984	984	565	1969	1969	758	2642	2642	1023	3566	3566	1727	6019	4149
	4	-	-	-	-	-	-	173	803	803	335	1557	1557	484	2248	2248	707	3284	3284	1073	4989	3836
	5	-	-	-	-	-	-	102	592	592	238	1383	1383	324	1879	1879	499	2899	2899	619	3592	3592
	6	-	-	-	-	-	-	-	-	-	172	1202	1202	245	1707	1707	350	2440	2440	454	3160	3160
	7	-	-	-	-	-	-	-	-	-	123	1001	1001	188	1528	1528	279	2271	2271	339	2755	2755
	8	-	-	-	-	-	-	-	-	-	82	757	757	144	1338	1338	226	2100	2100	279	2587	2587

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

Unit size FW.....10																							
EWT °C	WTR K	Entering air temperature °CDB (WB)																					
		18 (12)			20 (14)			22 (16)			25 (18)			27 (19)			30 (22)			32 (24)		
		WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC	WF	TC	SC
		ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/H	W	W	ℓ/h	W	W	ℓ/h	W	W	ℓ/h	W	W
5	**3**	1138	3984	3984	1612	5644	4753	2239	7834	5509	2846	9963	6559	3157	11056	7261	4201	14708	8192	4959	17365	8786
	4	747	3485	3485	961	4482	4238	1488	6939	5112	1987	9274	6255	2237	10440	6992	3025	14117	7937	3597	16781	8541
	5	475	2771	2771	644	3756	3756	986	5748	4601	1429	8334	5853	1640	9571	6619	2314	13493	7675	2774	16177	8288
	6	365	2555	2555	449	3138	3138	569	3983	3983	1020	7134	5357	1216	8510	6183	1812	12680	7342	2221	15541	8028
	7	287	2339	2339	358	2923	2923	429	3503	3503	629	5127	4575	871	7108	5627	1433	11700	6950	1800	14692	7692
	8	227	2121	2121	291	2709	2709	353	3292	3292	446	4155	4155	533	4966	4966	1130	10530	6503	1470	13706	7313
7	**3**	914	3196	3196	1142	3996	3996	1756	6142	4766	2395	8379	5871	2711	9480	6583	3761	13157	7535	4525	15825	8144
	4	549	2558	2558	759	3537	3537	1078	5030	4302	1615	7534	5520	1875	8746	6277	2686	12523	7278	3261	15210	7895
	5	374	2181	2181	475	2766	2766	660	3844	3844	1097	6391	5062	1326	7729	5870	2029	11830	7000	2498	14557	7640
	6	281	1966	1966	365	2551	2551	448	3134	3134	659	4609	4609	913	6384	5351	1555	10874	6630	1978	13830	7359
	7	214	1747	1747	287	2337	2337	358	2920	2920	465	3789	3789	601	4902	4902	1192	9727	6203	1577	12858	6998
	8	163	1515	1515	228	2122	2122	291	2708	2708	384	3576	3576	445	4151	4151	886	8260	5679	1258	11724	6588
10	**3**	539	1883	1883	806	2817	2817	1037	3624	3624	1623	5668	4780	1972	6888	5542	3039	10617	6535	3810	13312	7166
	4	325	1511	1511	451	2099	2099	680	3166	3166	946	4407	4407	1248	5808	5136	2126	9903	6268	2711	12622	6913
	5	222	1293	1293	324	1885	1885	424	2469	2469	678	3947	3947	823	4788	4788	1537	8945	5922	2042	11886	6646
	6	152	1060	1060	239	1669	1669	323	2255	2255	459	3204	3204	613	4282	4282	1102	7694	5483	1560	10900	6301
	7	96	785	785	177	1443	1443	251	2042	2042	358	2916	2916	429	3495	3495	725	5902	4886	1187	9668	5888
	8	-	-	-	128	1196	1196	196	1821	1821	291	2706	2706	353	3283	3283	466	4339	4339	869	8084	5376
13	**3**	-	-	-	410	1429	1429	697	2431	2431	1043	3641	3641	1260	4398	4398	2226	7768	5509	3010	10504	6166
	4	-	-	-	261	1214	1214	387	1802	1802	694	3230	3230	870	4048	4048	1458	6781	5175	2088	9716	5901
	5	-	-	-	170	989	989	273	1588	1588	439	2550	2550	618	3593	3593	916	5325	4701	1497	8699	5572
	6	-	-	-	104	727	727	196	1369	1369	323	2253	2253	406	2833	2833	629	4384	4384	1048	7307	5134
	7	-	-	-	-	-	-	139	1129	1129	251	2040	2040	322	2624	2624	460	3743	3743	635	5162	4494
	8	-	-	-	-	-	-	91	844	844	196	1821	1821	260	2412	2412	353	3277	3277	434	4039	4039
16	**3**	-	-	-	-	-	-	325	1133	1133	708	2468	2468	938	3270	3270	1260	4392	4392	2100	7319	5137
	4	-	-	-	-	-	-	197	914	914	387	1799	1799	614	2855	2855	876	4068	4068	1335	6201	4798
	5	-	-	-	-	-	-	115	665	665	273	1588	1588	374	2170	2170	631	3662	3662	770	4472	4472
	6	-	-	-	-	-	-	-	-	-	196	1368	1368	281	1960	1960	440	3062	3062	579	4034	4034
	7	-	-	-	-	-	-	-	-	-	139	1130	1130	215	1744	1744	322	2618	2618	417	3388	3388
	8	-	-	-	-	-	-	-	-	-	91	845	845	163	1516	1516	259	2408	2408	321	2983	2983

SYMBOLS

EWT: Entering water temperature
WTR: Water temperature rise
WF: Water flow
TC: Total capacity
SC: Sensible capacity

Notes

1 Cooling capacity is based on high speed operation and 230V

2 Cooling capacity is based on external static pressure 0 mmH_2O

3 Capacity tables

3-3 Heating capacities - 2-pipe and 4-pipe series

2-pipe series								4-pipe series					
Unit size FW.....1													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	lh	W
40	**8**	119	1097	102	944	86	789	63	580	2	476	41	381
	9	99	1025	84	869	68	707	49	507	41	420	34	355
	10	82	948	68	785	57	660	40	460	34	395	29	329
	11	68	862	58	740	49	619	34	434	29	369	24	304
	12	59	819	50	698	42	576	30	409	25	343	20	278
45	**8**	161	1480	145	1331	128	1182	92	851	82	752	71	652
	9	137	1419	122	1269	108	1118	76	789	66	688	57	586
	10	118	1355	104	1202	91	1047	63	724	54	621	45	514
	11	101	1286	89	1130	77	971	52	655	43	547	37	468
	12	88	1212	76	1052	64	888	42	579	37	507	32	442
50	**8**	202	1852	185	1704	169	1557	191	1110	110	1012	99	914
	9	174	1797	159	1649	145	1501	102	1055	92	956	83	858
	10	151	1740	138	1591	125	1441	87	998	78	898	69	798
	11	133	1681	121	1529	109	1378	74	938	66	837	58	735
	12	117	1618	106	1465	95	1311	63	875	56	772	48	667
60	**8**	280	2565	264	2419	248	2273	175	1600	164	1506	154	1411
	9	245	2523	231	2377	217	2231	151	1559	142	1464	133	1370
	10	217	2481	204	2334	191	2186	133	1516	124	1418	115	1320
	11	193	2434	181	2284	170	2136	116	1466	109	1368	101	1269
	12	173	2383	162	2233	152	2083	103	1414	96	1315	89	1217
70	**8**	359	3267	342	3119	326	2971	228	2076	217	1980	207	1884
	9	315	3228	300	3079	286	2932	199	2036	189	1940	180	1845
	10	280	3188	267	3039	254	2892	175	1996	167	1900	158	1805
	11	251	3148	239	2998	227	2851	156	1956	148	1860	141	1765
	12	227	3106	216	2958	205	2810	140	1916	133	1820	126	1725
80	**8**	437	3966	420	3815	404	3664	281	2550	270	2453	260	2356
	9	385	3929	370	3778	355	3627	246	2511	236	2414	227	2317
	10	343	3891	329	3740	316	3590	218	2473	209	2375	201	2279
	11	309	3851	296	3700	284	3552	195	2434	187	2337	179	2241
	12	280	3812	269	3662	258	3512	176	2395	169	2298	162	2202

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

3 Capacity tables

3-3 Heating capacities - 2-pipe and 4-pipe series

2-pipe series								4-pipe series					
Unit size FW.....2													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	l/h	W
40	**8**	176	1620	152	1405	129	1188	84	775	69	639	54	500
	9	147	1531	126	1311	105	1085	66	683	52	541	41	422
	10	124	1434	105	1206	85	984	50	581	41	469	34	389
	11	105	1327	87	1102	73	926	41	516	34	436	28	358
	12	88	1221	75	1044	62	865	35	484	29	405	24	326
45	**8**	234	2153	211	1943	188	1734	123	1128	108	998	94	867
	9	201	2078	180	1866	160	1653	101	1049	89	917	76	783
	10	173	1998	155	1783	136	1566	84	966	72	831	60	694
	11	151	1912	134	1693	116	1471	69	879	58	740	47	595
	12	132	1820	115	1596	??	??	57	785	46	639	38	524
50	**8**	291	2670	268	2462	245	2254	160	1467	146	1340	132	1211
	9	252	2604	231	2395	211	2185	135	1397	123	1267	110	1138
	10	221	2534	202	2323	184	2111	115	1323	104	1192	92	1061
	11	195	2461	178	2247	161	2033	99	1246	88	1114	78	980
	12	173	2383	157	2166	141	1950	85	1166	75	1032	65	895
60	**8**	400	3661	377	3455	355	3249	229	2096	215	1972	202	1847
	9	351	3612	331	3404	311	3198	198	2041	186	1916	174	1792
	10	311	3559	293	3352	275	3145	173	1984	163	1860	152	1737
	11	278	3506	262	3296	245	3086	153	1929	143	1805	133	1680
	12	251	3445	235	3232	220	3022	136	1872	127	1742	117	1612
70	**8**	509	4644	486	4431	463	4222	299	2724	285	2597	271	2471
	9	448	4597	428	4385	407	4176	260	2670	248	2544	236	2418
	10	399	4548	381	4337	362	4127	229	2616	218	2490	207	2364
	11	359	4500	342	4288	325	4079	204	2562	194	2436	184	2311
	12	325	4450	310	4237	294	4030	183	2508	174	2382	165	2257
80	**8**	619	5622	595	5405	572	5192	369	3349	355	3220	341	3093
	9	546	5577	525	5361	504	5146	323	3297	310	3169	298	3041
	10	487	5531	468	5316	449	5102	286	3244	275	3117	263	2989
	11	439	5483	422	5268	405	5055	256	3192	245	3065	235	2938
	12	399	5436	383	5223	368	5010	230	3140	221	3013	212	2886

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

2-pipe series								4-pipe series					
Unit size FW.....3													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	l/h	W
40	**8**	249	2300	216	1990	181	1670	141	1301	121	1113	100	921
	9	208	2165	177	1839	144	1494	116	1204	97	1011	78	809
	10	174	2008	144	1658	119	1371	95	1099	78	896	59	675
	11	143	1821	121	1535	102	1289	77	982	60	761	42	536
	12	123	1700	105	1453	87	1203	61	846	44	606	35	490
45	**8**	333	3064	300	2766	268	2466	192	1772	173	1597	154	1414
	9	285	2957	256	2654	227	2348	164	1697	146	1512	128	1325
	10	247	2840	220	2529	192	2214	140	1609	123	1421	107	1230
	11	214	2712	189	2392	163	2062	120	1515	104	1323	89	1128
	12	186	2569	162	2235	??	??	102	1416	88	1219	73	1014
50	**8**	413	3798	381	3503	349	3208	241	2217	222	2041	203	1865
	9	358	3707	330	3409	301	3111	208	2148	191	1972	174	1797
	10	314	3608	288	3307	261	3006	181	2079	166	1903	150	1723
	11	277	3503	253	3198	229	2891	159	2009	144	1823	129	1636
	12	246	3390	223	3079	200	2766	139	1923	126	1735	112	1545
60	**8**	569	5204	536	4911	505	4619	339	3103	320	2925	300	2747
	9	499	5137	470	4843	442	4551	295	3038	278	2860	260	2682
	10	443	5066	417	4771	391	4477	260	2973	244	2794	229	2617
	11	396	4992	373	4691	349	4392	231	2906	217	2729	203	2551
	12	357	4904	335	4602	313	4302	207	2840	194	2662	181	2485
70	**8**	723	6589	690	6291	657	5993	437	3987	417	3806	398	3626
	9	636	6527	607	6228	578	5928	383	3923	365	3743	347	3563
	10	567	6461	541	6161	515	5863	339	3861	323	3680	307	3501
	11	510	6393	486	6097	462	5800	303	3797	288	3617	274	3438
	12	462	6327	440	6030	419	5733	273	3734	260	3554	247	3375
80	**8**	878	7969	844	7664	811	7359	536	4867	516	4684	496	4501
	9	774	7907	744	7602	715	7298	470	4806	453	4623	435	4442
	10	691	7845	665	7541	638	7237	418	4745	402	4562	386	4380
	11	623	7785	599	7481	575	7177	375	4684	360	4501	346	4319
	12	567	7722	544	7418	522	7115	339	4622	326	4440	312	4259

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

2-pipe series								4-pipe series					
Unit size FW.....4													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	l/h	W
40	**8**	332	3062	286	2640	238	2199	158	1456	126	1165	86	793
	9	276	2868	233	2417	185	1917	118	1222	84	875	71	734
	10	228	2633	184	2122	153	1769	83	957	71	816	59	676
	11	183	2325	156	1981	131	1659	71	898	60	757	49	619
	12	159	2195	135	1872	112	1545	61	839	51	700	41	562
45	**8**	445	4098	401	3696	358	3293	235	2159	207	1908	179	1651
	9	381	3950	342	3539	302	3125	193	2002	168	1742	142	1470
	10	329	3785	292	3364	255	2933	159	1828	135	1549	108	1241
	11	284	3603	250	3165	214	2707	128	1624	103	1300	77	970
	12	246	3395	212	2930	175	2418	98	1352	76	1053	66	911
50	**8**	554	5086	510	4691	467	4294	306	2809	279	2565	252	2320
	9	480	4961	441	4561	402	4160	259	2676	235	2428	211	2178
	10	420	4824	385	4420	349	4013	221	2534	199	2281	176	2025
	11	370	4679	337	4268	305	3853	188	2382	168	2122	147	1856
	12	328	4521	297	4101	266	3676	161	2217	141	1945	120	1660
60	**8**	762	6973	719	6582	677	6191	436	3993	411	3758	385	3524
	9	668	6882	630	6489	592	6098	378	3894	355	3659	333	3426
	10	593	6785	559	6391	524	5999	331	3794	311	3560	291	3327
	11	531	6685	499	6281	467	5881	293	3694	275	3460	255	3217
	12	478	6566	448	6161	419	5756	261	3584	243	3337	225	3089
70	**8**	969	8837	925	8439	882	8038	567	5170	541	4931	515	4694
	9	853	8747	814	8348	775	7949	495	5073	471	4836	449	4599
	10	760	8661	725	8258	690	7863	437	4977	416	4740	395	4504
	11	683	8568	651	8169	620	7772	389	4881	370	4644	352	4408
	12	619	8478	590	8077	561	7680	350	4785	332	4548	315	4313
80	**8**	1178	10689	1133	10282	1088	9876	699	6342	672	6101	646	5861
	9	1038	10606	999	10196	959	9791	612	4249	588	6008	565	5768
	10	927	10521	891	10116	856	9706	542	6157	521	5915	500	5676
	11	836	10437	803	10028	770	9627	485	6063	466	5823	447	5583
	12	759	10350	730	9941	700	9536	438	5969	421	5730	403	5491

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

2-pipe series								4-pipe series					
Unit size FW.....6													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	l/h	W
40	**8**	445	4110	386	3563	325	3002	208	1918	170	1571	128	1184
	9	374	3879	319	3309	261	2707	161	1668	122	1263	81	837
	10	313	3615	261	3005	201	2315	115	1331	81	930	66	767
	11	260	3303	206	2609	160	2029	81	1023	68	860	55	699
	12	210	2902	165	2291	136	1881	69	953	57	792	46	632
45	**8**	592	5455	535	4929	478	4399	303	2794	269	2475	234	2153
	9	509	5271	457	4737	405	4196	251	2604	220	2277	187	1941
	10	441	5071	393	4524	345	3970	208	2398	179	2056	147	1697
	11	383	4853	339	4290	293	3713	171	2168	142	1801	109	1377
	12	334	4611	291	4027	247	3413	137	1900	105	1457	75	1038
50	**8**	732	6727	676	6216	621	5707	389	3578	357	3282	325	2987
	9	638	6590	587	6065	536	5540	333	3442	303	3138	273	2821
	10	559	6425	513	5893	466	5360	285	3279	257	2959	229	2636
	11	494	6243	451	5704	409	5163	245	3094	219	2767	193	2435
	12	439	6051	399	5504	359	4951	210	2897	186	2561	160	2214
60	**8**	1005	9199	948	8680	892	8162	557	5095	524	4794	491	4494
	9	881	9076	831	8555	781	8041	482	4964	453	4664	424	4365
	10	782	8950	737	8430	691	7915	422	4833	396	4533	370	4234
	11	701	8820	659	8300	618	7784	373	4701	350	4402	326	4104
	12	632	8686	594	8169	557	7650	333	4569	311	4270	289	3973
70	**8**	1278	11652	1220	11120	1163	10597	725	6607	691	6301	658	5997
	9	1125	11538	1073	11009	1022	10483	632	6480	602	6175	573	5872
	10	1002	11419	956	10893	910	10364	557	6353	531	6050	504	5746
	11	901	11300	859	10775	817	10248	497	6227	473	5923	448	5621
	12	817	11183	778	10652	740	10126	446	6100	424	5797	402	5495
80	**8**	1553	14097	1493	13557	1434	13017	894	8113	860	7803	826	7496
	9	1369	13988	1317	13443	1264	12910	782	7991	752	7682	722	7375
	10	1223	13875	1175	13337	1128	12805	693	7868	666	7560	639	7253
	11	1102	13764	1059	13227	1016	12689	620	7745	596	7437	571	7131
	12	1002	13655	962	13112	923	12579	559	7622	537	7316	515	7009

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

2-pipe series								4-pipe series					
Unit size FW.....8													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	l/h	W
40	**8**	548	5055	472	4356	393	3625	313	2892	269	2479	223	2056
	9	455	4729	384	3982	303	3144	259	2684	217	2256	174	1807
	10	376	4336	302	3478	239	2756	213	2453	173	2000	129	1487
	11	300	3807	243	3087	203	2576	173	2191	132	1678	83	1054
	12	247	3420	210	2907	173	2390	135	1866	86	1193	69	959
45	**8**	735	6766	663	6102	590	5436	424	3901	382	3518	340	3136
	9	629	6518	564	5842	498	5157	362	3750	324	3355	284	2946
	10	542	6246	482	5551	420	4838	310	3572	274	3160	238	2742
	11	469	5942	412	5219	352	4459	266	3372	233	2951	199	2519
	12	405	5597	349	4825	287	3967	228	3158	197	2723	164	2267
50	**8**	915	8403	843	7746	772	7094	530	4872	488	4487	447	4104
	9	792	8191	728	7531	664	6869	457	4725	420	4341	383	3957
	10	693	7966	635	7298	576	6627	398	4577	365	4193	331	3810
	11	611	7724	557	7044	503	6359	350	4428	320	4043	288	3634
	12	541	7461	491	6766	440	6063	309	4266	279	3855	249	3440
60	**8**	1258	11508	1186	10863	1116	10214	744	6806	701	6417	659	6029
	9	1102	11351	1039	10709	976	10058	647	6666	610	6277	572	5891
	10	978	11187	921	10537	864	9895	570	6526	536	6137	502	5750
	11	875	11023	824	10370	771	9710	507	6384	476	5996	446	5609
	12	789	10838	740	10172	692	9506	454	6242	426	5853	398	5467
70	**8**	1601	14587	1529	13926	1456	13275	958	8733	915	8339	872	7948
	9	1408	14444	1344	13781	1279	13127	838	8599	800	8205	762	7812
	10	1254	14290	1196	13630	1138	12974	742	8463	708	8070	674	7679
	11	1127	14131	1047	13474	1022	12819	664	8328	633	7935	601	7543
	12	1021	13976	973	13316	925	12662	599	8190	570	7799	541	7407
80	**8**	1946	17658	1871	16989	1798	16314	1174	10655	1130	10256	1086	9861
	9	1715	17521	1650	16839	1584	16172	1031	10523	991	10126	952	9730
	10	1530	17373	1471	16699	1413	16032	915	10394	880	9996	846	9599
	11	1379	17228	1326	16554	1272	15888	822	10261	790	9864	758	9467
	12	1253	17078	1204	16405	1155	15738	744	10128	714	9731	685	9338

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

2-pipe series								4-pipe series					
Unit size FW.....10													
EWT °C	WTD K	Entering air temperature °CDB											
		18		20		22		18		20		22	
		WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP	WF	CAP
		l/h	W	l/h	W	l/h	W	l/h	W	l/h	W	l/h	W
40	**8**	700	6464	607	5598	510	4708	399	3681	344	3177	287	2649
	9	587	6092	499	5187	407	4225	331	3442	280	2909	227	2358
	10	491	5663	406	4687	307	3543	275	3168	227	2613	175	2016
	11	406	5148	316	4003	238	3025	226	2866	179	2269	121	1532
	12	322	4455	247	3417	202	2796	182	2519	131	1810	78	1079
45	**8**	933	8591	843	7757	752	6923	534	4916	481	4431	429	3948
	9	801	8298	719	7452	637	6598	456	4722	409	4237	362	3753
	10	693	7975	618	7112	541	6234	393	4526	351	4040	305	3518
	11	602	7624	532	6734	459	5817	341	4317	299	3789	257	3251
	12	523	7235	456	6306	385	5326	294	4058	254	3517	214	2958
50	**8**	1152	10591	1065	9785	978	8982	669	6147	616	5660	563	5174
	9	1003	10369	924	9557	844	8726	576	5959	529	5472	482	4986
	10	880	10116	807	9274	734	8436	502	5768	460	5281	417	4796
	11	777	9828	710	8974	642	8121	441	5577	403	5089	364	4603
	12	690	9516	627	8651	564	7779	390	5382	355	4894	319	4403
60	**8**	1584	14499	1495	13683	1406	12867	940	8600	886	8107	832	7616
	9	1389	14297	1309	13478	1230	12667	818	8420	770	7927	722	7436
	10	1231	14096	1160	13273	1089	12461	720	8239	677	7747	634	7257
	11	1102	13885	1038	13063	973	12249	640	8058	601	7565	562	7076
	12	995	13669	935	12850	876	12033	573	7874	537	7383	502	6893
70	**8**	2017	18381	1925	17551	1835	16714	1212	11045	1157	10545	1102	10048
	9	1774	18191	1693	17359	1612	16532	1060	10872	1011	10372	963	9876
	10	1580	18002	1506	17173	1434	16342	938	10697	895	10199	851	9702
	11	1420	17805	1353	16979	1288	16150	839	10522	799	10025	760	9528
	12	1287	17613	1226	16777	1166	15949	756	10347	720	9850	683	9355
80	**8**	2451	22248	2357	21400	2264	20553	1485	13483	1430	12976	1374	12472
	9	2161	22074	2078	21219	1995	20382	1303	13315	1254	12807	1205	12304
	10	1929	21886	1854	21041	1779	20196	1158	13145	1114	12640	1069	12138
	11	1738	21710	1670	20857	1602	20020	1039	12974	998	10472	958	11971
	12	1579	21519	1517	20674	1455	19830	940	12805	903	12302	866	11801

SYMBOLS

EWT: Entering water temperature
WTD: Water temperature drop
WF: Water flow
CAP: Heating capacity

Notes

1 Heating capacity is based in high speed operation and 230V

2 Heating capacity is based on external static pressure 0 mmH_2O

4 Water pressure drop

4-1 Cooling - 2 pipe

Water flow l/h	Water pressure drop						
	FW...1	FW...2	FW...3	FW...4	FW...6	FW...8	FW...10
	kPa	kPa	kPa	kPa	kPa	kPa	kPa
50	0.67	0.38	0.14	0.08	0.09	0.04	0.04
100	2.29	1.28	0.50	0.28	0.32	0.15	0.13
200	7.76	4.35	1.68	0.96	1.08	0.51	0.45
300	15.84	8.87	3.44	1.96	2.21	1.04	0.93
400	26.25	14.71	5.70	3.24	3.67	1.73	1.54
500	38.85	21.78	8.44	4.80	5.43	2.57	2.29
600	53.51	29.99	11.63	6.62	7.49	3.53	3.15
800	88.64	49.70	19.29	10.98	12.42	5.86	5.22
1000	131.09	73.52	28.55	16.25	18.38	8.67	7.73
1500	-	149.68	58.16	33.12	37.48	17.69	15.77
2000	-	-	96.32	54.87	62.12	29.33	26.15
2500	-	-	-	81.15	91.89	43.40	38.70
3000	-	-	-	111.71	126.51	59.76	53.30
4000	-	-	-	-	-	98.99	88.30
5000	-	-	-	-	-	146.39	130.60

NOTES

1 Water inlet temperature: 7°C

2 Air inlet temperature: 27°CDB/19°CWB

3 Low fan speed

4 Water pressure drop

4-2 Heating - 2-pipe and 4-pipe

Water flow l/h	Water pressure drop (2-pipe series)						
	FW...1	FW...2	FW...3	FW...4	FW...6	FW...8	FW...10
	kPa	kPa	kPa	kPa	kPa	kPa	kPa
50	0.59	0.30	0.13	0.08	0.09	0.04	0.04
100	1.97	1.00	0.44	0.25	0.29	0.14	0.12
200	6.58	3.34	1.45	0.83	0.95	0.46	0.40
300	13.32	6.77	2.93	1.68	1.91	0.92	0.81
400	22.01	11.18	4.83	2.77	3.15	1.52	1.34
500	32.48	16.49	7.12	4.08	4.63	2.23	1.97
600	44.66	22.67	9.79	5.60	6.36	3.07	2.70
800	73.82	37.47	16.17	9.25	10.49	5.05	4.45
1000	109.02	55.33	23.87	13.66	15.47	7.45	6.56
1500	-	-	48.46	27.72	31.38	15.10	13.29
2000	-	-	80.11	45.81	51.85	24.95	21.94
2500	-	-	-	67.66	76.55	36.84	32.38
3000	-	-	-	-	105.27	50.65	44.52
4000	-	-	-	-	-	83.73	73.58
5000	-	-	-	-	-	-	108.67

NOTES

1 Air inlet temperature: 20°CDB
2 Water inlet temperature 50°C
3 Low fan speed

Water flow l/h	Water pressure drop (4-pipe series)						
	FW...1	FW...2	FW...3	FW...4	FW...6	FW...8	FW...10
	kPa	kPa	kPa	kPa	kPa	kPa	kPa
50	0.45	0.43	0.60	0.20	0.20	0.24	0.23
100	1.48	1.44	1.97	0.67	0.65	0.79	0.77
200	4.94	4.79	6.54	2.23	2.17	2.62	2.56
300	10.01	9.69	13.23	4.51	4.39	5.27	5.15
400	16.52	15.99	21.82	7.43	7.23	8.67	8.47
500	24.39	23.60	32.19	10.96	10.65	12.77	12.47
600	33.53	32.43	44.23	15.05	14.62	17.53	17.10
800	55.41	53.59	73.06	24.85	24.13	28.90	28.18
1000	81.84	79.13	107.85	36.67	35.60	42.62	41.54
1500	-	-	-	74.43	72.23	86.41	84.16

NOTES

1 Air inlet temperature: 20°CDB
2 Water inlet temperature 70°C
3 Low fan speed

External static - correction factors															
External static pressure	Unit														
		FW...1		FW...2		FW...3		FW...4		FW...6		FW...8		FW...10	
Pa	Fan speed	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2	F1	F2
10	high	0.68	0.76	0.72	0.77	0.78	0.83	0.83	0.87	0.87	0.90	0.90	0.93	0.93	0.95
	medium	0.62	0.71	0.67	0.72	0.73	0.76	0.78	0.84	0.82	0.86	0.86	0.90	0.89	0.92
20	high	0.56	0.66	0.61	0.67	0.68	0.75	0.74	0.80	0.79	0.84	0.83	0.88	0.87	0.90
	medium	-	-	0.55	0.61	0.62	0.65	0.69	0.76	0.74	0.78	0.78	0.83	0.82	0.86
30	high	-	-	0.50	0.57	0.58	0.66	0.65	0.72	0.71	0.78	0.76	0.83	0.80	0.85
	medium	-	-	-	-	0.51	0.55	0.59	0.67	0.65	0.70	0.71	0.77	0.75	0.80
40	high	-	-	-	-	-	-	0.56	0.67	0.63	0.71	0.69	0.77	0.74	0.80
	medium	-	-	-	-	-	-	-	-	0.56	0.62	0.63	0.70	0.68	0.74
50	high	-	-	-	-	-	-	-	-	0.55	0.64	0.62	0.71	0.67	0.75
	medium	-	-	-	-	-	-	-	-	-	-	0.55	0.63	0.61	0.68
60	high	-	-	-	-	-	-	-	-	-	-	0.55	0.65	0.61	0.69
	medium	-	-	-	-	-	-	-	-	-	-	-	-	0.53	0.61
70	high	-	-	-	-	-	-	-	-	-	-	-	-	0.54	0.63
	medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTES

Water inlet temperature 7°C

Notes

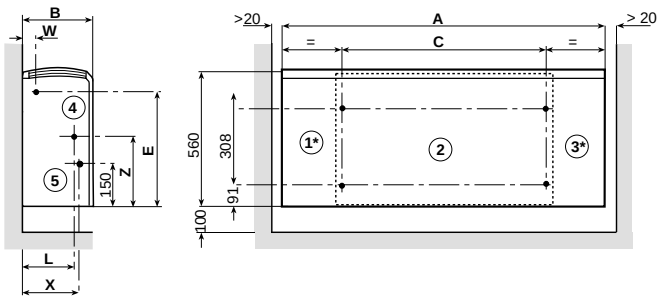
F1 = Air flow corrections factor

F2 = Capacity correction factor

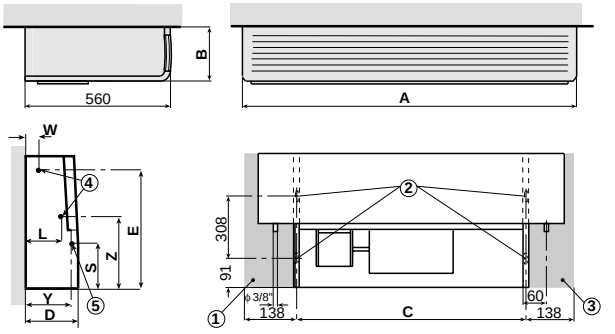
	Capacity correction to change in air flow rate													
	FW...1		FW...2		FW...3		FW...4		FW...6		FW...8		FW...10	
	medium	low	medium	low	medium	low	medium	low	medium	low	medium	low	medium	low
Total cooling capacity	0.81	0.65	0.79	0.56	0.84	0.63	0.77	0.58	0.82	0.65	0.82	0.63	0.81	0.58
Sensible cooling capacity	0.79	0.62	0.77	0.53	0.83	0.61	0.75	0.56	0.81	0.62	0.80	0.60	0.80	0.55
Heating capacity - 2 pipe	0.79	0.62	0.78	0.53	0.83	0.59	0.76	0.56	0.81	0.62	0.81	0.60	0.80	0.55
Heating capacity - 4 pipe	0.91	0.82	0.89	0.82	0.8	0.73	0.83	0.74	0.86	0.73	0.88	0.75	0.84	0.73

6 Dimensional drawings

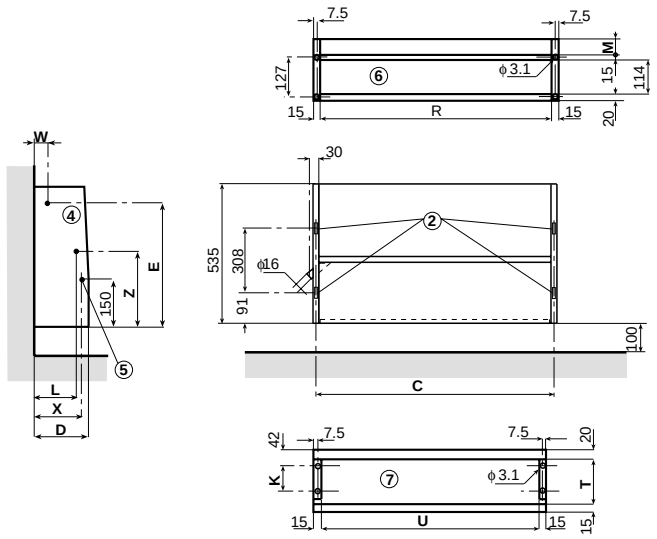
FWV



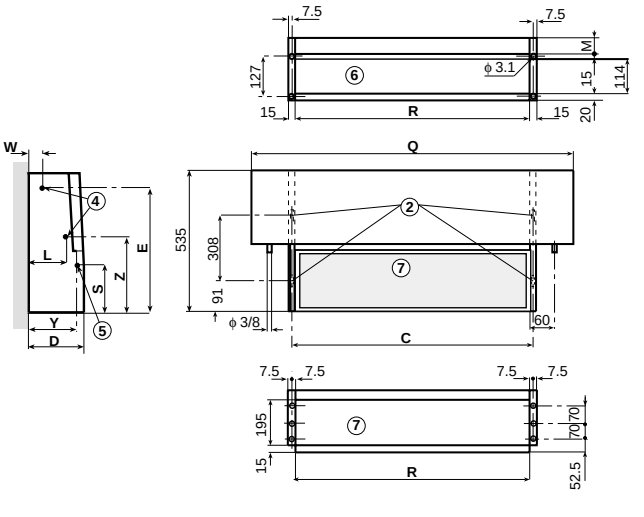
FWH



FWVM



FWHM



FW	A	B	C	D	E	K	I	L	M	N	P	Q	R	S	T	U	W	X	Y	Z	°
1-2	775	228	498	223	458	80	54	163	44	39	150	706	464	196	188	436	51	198	212	263	1/2"
3	985	228	708	223	458	80	54	163	44	39	150	916	674	196	188	646	51	198	212	263	1/2"
4-6	1195	228	918	223	458	80	54	163	44	39	150	1126	884	196	188	856	51	198	212	263	1/2"
8-10	1405	253	1128	248	497	105	66	185	56	51	175	1336	1094	205	213	1066	48	220	237	259	3/4"

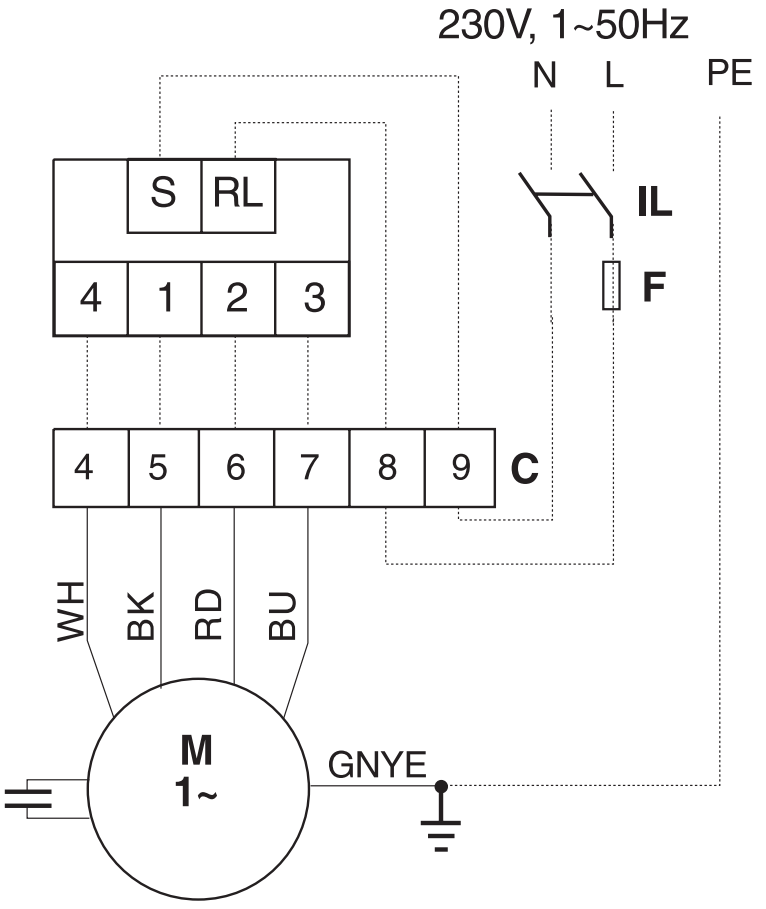
Notes

1 Clear space for hydraulic connections*
2 Slots for wall / ceiling mounting 9x20mm
3 Clear space for electric connections
4 Hydraulic connections
5 Condensate drainage
6 Air outlet for concealed models
7 Air suction for concealed models

* Indications applicable to fan coils with hydraulic connections on the left side; in case of right side connections the indications for ''clear space'' are reversed.

7 Wiring diagrams

FWV, FWVM, FWH, FWHM



* This wiring example is for option YFSRCA6 - YFSCA6. For other options, refer to the appropriate manual.

	SYMBOLS
BK	Black = maximum speed
BU	Blue = medium speed
GNYE	Yellow/Green = earth connection
RD	Red = minimum speed
WH	White = common
----	Field wiring
F	Protection fuse (field supply)
IL	Main switch (field supply)
M	Fan motor
PE	Earth connection

8 Control systems

Reference	Description	Applicable units			
		FWV	FWVM	FWH	FWHM
YICA6	**Built-in individual cool/heat control** This control allows for automatic ambient temperature regulation during both heating and cooling operation active on the fan-drive assembly. It consists of a panel incorporating the speed switch, the heating/cooling selector and an electromechanical type thermostat with bulb sensor (field ef regulation 0-40°C).	X			
YHOCA6	**Built-in heating only control** This control allows for automatic ambient temperature regulation during both heating and cooling operation active on the fan-drive assembly. It is an electromechanical thermostat with liquid expansion sensing bulb (field of regulation 0-40°C).	X			
YIECA6	**Built-in individual electronic cool/heat control** This electronic control enables room temperature control in both cooling and heating mode, operating on the fan motor (ON/OFF button). The timer starts and stops the fan at regular intervals to enable the sensor to detect the correct room temperature.	X			
YCECA6	**Built-in centralised electronic cool/heat control** This electronic control enables room temperature control by way of the fan-drive assembly. The timer starts and stops the fan at regular intervals to enable the sensor to detect the correct room temperature.	X			
YFSCA6	**Built-in fan speed control** This electromechanical control allows the starting of the fan coil and the speed selection.	X			

Reference	Description	Applicable units			
		FWV	FWVM	FWH	FWHM
YIRCA6	**Remote individual electromechanical cool/heat control** This control enables the user to automatically regulate room temperature during both heating and cooling modes, operating on the motor driven fan (ON/OFF function).	X	X	X	X
YCRCA6	**Remote centralised electromechanical cool/heat control** This control enables the user to automatically regulate room temperature. This model is arranged for a centralised cool/heat switching.	X	X	X	X
YFSRCA6	**Remote fan speed control** This electromechanical control allows the starting of the fan coil and the speed selection.	X	X	X	X

NOTES

All built-in control systems are available as accessory (= to be ordered separately) and as option (= factory mounted).
All remote control systems are only available as accessory (= to be ordered separately).

9 Accessories & options

Reference	Description	Applicable units			
		FWH	FWHM	FWV	FWVM
Y2MV°A6HOC (when using YHOCA6)	4-way valve (**) This valve allows the ambient temperature to be regulated by interrupting the water flow inside the heat exchanger coil. The first digit (2 or 4) indicates the system (2-pipe or 4-pipe).			X	
Y2,4MV°A6IEC (when using YIECA6)				X	
Y2,4MV°A6CEC (when using YCECA6)				X	
Y2,4MV°A6IRC (when using YIRCA6)		X	X	X	X
YSFV°A6	**Supporting feet (*)** Supplied as pair, the supporting feet consist of 2 spacers which musr be fixed to the bearing structure and of 2 outside covers to be fixed to the cabinet. They are generally used to hide the hydraulic pipes or when it is impossible to mount the fan coil on the wall.			X	
YSFVM°A6	**Supporting brackets (*)** Made of painted sheet steel, they are usually supplied with the FWV(M)-unit when it is impossible to fix it to the wall.			X	X
YDPA6	**Auxiliary drain pan (**)** This pan collects drips on non insulated parts such as 4-way valve and the regulating valve in vertically installed fan coil units.			X	X
YRPV°°A6 YRPH°°A6	**Rear panel (*)** This accessory can be supplied to those customers who need to install the fan coil in a place where the rear section is in view.	X		X	
YSRH)°°A6	**Additional single-row heat exchanger (**)** The single-row heat exchanger is made of copper pipes and aluminium fins. It is used as a part of a 4-pipe installation and connected to the heating system circuit. It is provided with purge valves on the system connection. It cannot be mounted together with the electric heater kit.	X	X	X	X
YFA°°A6	**Manual fresh air intake (*)** This accessory is supplied to users requiring an external air intake. The quantity of fresh air filtered and heated or cooled by the fan coil unit is regulated by manually adjusting the deflector located inside it.	X	X	X	X
YMFA°°A6LIB (left motor, individual built-in control)	**Motorised fresh air intake (*)** This accessory is supplied to end-users who need an external source of air. The quantity of fresh air, filtered and heated, is regulated from 0-100% by a servomotor (IP40), controlled by a position transducer which may be remote or fitted to the fan coil.			X	
YMFA°°A6LCB (left motor, centralised built-in control)				X	
YMFA°°A6LIR (left motor, individual remote control)		X	X	X	X
YMFA°°A6LCR (left motor, centralised remote control)		X	X	X	X
YMFA°°A6RIB (right motor, individual built-in control)				X	
YMFA°°A6RCB (right motor, centralised built-in control)				X	
YMFA°°A6RIR (right motor, individual remote control)		X	X	X	X
YMFA°°A6RCR (right motor, centralised remote control)		X	X	X	X
YFSTA6	**Fan stop thermostat (**)** The fan stop thermostat is a thermostat with automatic resetting. It automatically stops the motor driven fan when the temperature of the water inside the heat exchanger falls below the pre-set value (40°C). Its use is therefore restricted to the heating mode. The thermostat cannot be used together with the remote electromechanical cool/heat control and the 4-way valve.	X	X	X	X
YAD°°A6	**Air discharge grille (**)** This grille is provided with a double row of adjustable anodised aluminium fins, complete with galvanised metal sheet counterframe.		X		X
YAIF°°A6	**Air intake grille with filter (**)** This grille is provided with fixed fins, manufactured in anodised aluminium and is complete with washable acrylic fibre filter and galvanised metal sheet counterframe.		X		X
YAI°°A6	**Air intake grille (**)** This grille is provided with fixed anodised aluminium fins and a zinc plated metal sheet counterframe.		X		X
YEH°°°A6IRC	**Electric heater kit (**)** This kit is supplied to supplement conventional hot water heating.	X	X	X	X
YEHV°°°A6IRC		X	X	X	X
Y2MVEH°°°A6IRC	**Electric heater kit + 4-way valve** (**)**	X	X	X	X
Y2MVEHV°°°A6IRC		X	X	X	X

NOTES

°6 for option combined with size 1,2,3 or 6 unit
°10 for option combined with size 8 or 10 unit
°°2 for option combined with size 1 or 2 unit
°°3 for option combined with size 3 unit
°°6 for option combined with size 4 or 6 unit
°°10 for option combined with size 8 or 10 unit
°°°1 for option combined with size 1 unit
°°°2 for option combined with size 2 unit
°°°3 for option combined with size 3 unit
°°°6 for option combined with size 4 or 6 unit
°°°10 for option combined with size 8 or 10 unit

* only available as accessory (= to be ordered separately)
** available as accessory (= to be ordered separately) and as option (= factory mounted)