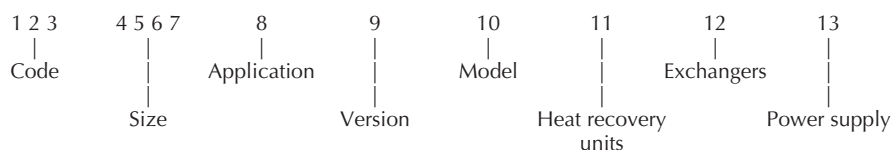


Selection

By combining the various options, each model can be configured exactly to match even the most specific system requirements.

Configuration rules:



Code:

NWB

Size:

0601, 0701, 0801, 0901, 1101, 1401
1202, 1302, 1402, 1602, 1802, 2002, 2202, 2502, 2802

Application:

- ° - Standard with produced water above +4 °C
- Y - Low temperature with produced water down to -6 °C

Version:

- ° - Standard
- L - Silenced

Model:

- ° - Standard
- E - Moto-evaporating unit

Heat recovery units:

- ° - Without heat recovery units
- D - With desuperheaters
- T - With total recovery units

Exchangers:

- ° - To PED standards

Power supply:

- ° - 3~ 400V 50Hz with fuses
- 8 - 3~ 400V 50Hz with thermal-magnetic cut-outs
- 2 - 3~ 230V 50Hz with fuses
- 4 - 3~ 230V 50Hz with thermal-magnetic cut-outs

Warning: standard options are shown by symbol °;

Commercial code example: **NWB1402L8**

This code refers to a heat pump NWB unit, size 1402, silenced version, exchangers to PED standards and electrical panel for compressors with 3~ 400V 50Hz motors protected by thermal-magnetic cut-outs.

Note that as each option is precisely identified, it is not necessary to specify standard options (shown with °) in the commercial code.

Technical data

Mod.		0601	0601 E	0701	0701 E	0801	0801 E	0901	0901 E	1101	1101 E	1401	1401 E
Cooling capacity	kW	158	150	188	178	212	202	238	228	305	293	391	371
Total input power	kW	41.5	43.5	47.5	50	56	59	63	66	74	77.5	99	103.5
Input current	A	72	75	81	85	95	99	104	108	125	131	166	174
Evaporator water flow rate (7 °C)	l/h	27180	25800	32340	30620	36460	34740	40940	39220	52460	50400	67250	63810
Evaporator pressure drop	kPa	37	34	43	39	46	42	46	42	44	40	43	39
Condenser water consumption (30 °C)	l/h	34310	-	40510	-	46100	-	51770	-	65190	-	84280	-
Condenser pressure drop	kPa	55	-	66	-	72	-	73	-	69	-	71	-
Heating capacity	kW	169	-	192	-	222	-	260	-	311	-	419	-
Total input power	kW	56	-	62.5	-	73	-	85.5	-	98.5	-	133.5	-
Input current	A	95	-	103	-	120	-	137	-	162	-	218	-
Condenser water flow rate (50 °C)	l/h	29070	-	33020	-	38180	-	44720	-	53490	-	72070	-
Condenser pressure drop	kPa	43	-	45	-	49	-	55	-	48	-	53	-
Evaporator water consumption (10 °C)	l/h	19440	-	22270	-	25630	-	30010	-	36550	-	49110	-
Evaporator pressure drop	kPa	19	-	21	-	23	-	25	-	21	-	24	-
♪ Sound pressure	dB(A)	57	57	58	58	58,5	58,5	59	59	60,0	60,0	60	60
Evaporator water contents	l	12.8	12.8	14.5	14.5	18.1	18.1	18.1	18.1	20.0	20.0	27.6	27.6
Evaporator water connections*	Ø	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/3"	V/3"	V/3"	V/3"
Condenser water contents	l	12.8	-	14.5	-	18.1	-	18.1	-	20.0	-	27.6	-
Condenser water connections*	Ø	V/2"	-	V/2"	-	V/2"	-	V/2"	-	V/3"	-	V/3"	-
Carter electric heater	W	150	150	150	150	150	150	150	150	150	150	150	150
Partialisation steps	n.	3	2	3	2	3	2	3	2	3	2	3	2
Max. current	A	106	106	118	118	138	138	156	156	187	187	249	249
Peak current	A	339	339	323	323	390	390	457	457	534	534	682	682

Power supply = 3N~ 400V 50 Hz.

Performance values refer to the following conditions:

Cooling:

- processed water temperature 7 °C
- condenser water inlet temperature 30 °C
- Δt = 5 °C

Cooling (NWB E):

- processed water temperature 7 °C
- condensation temperature 45 °C
- evaporator water inlet temperature 12 °C
- Δt = 5 °C

Heating:

- processed water temperature 50 °C
- evaporator water inlet temperature 10 °C
- Δt = 5 °C

- power supply: 400 V.

♪ Sound pressure measured in free field conditions at distance of 10 m with direction factor = 2.

In accordance with ISO 3744 regulations

*: V = Victaulic connection

Technical data

Mod.		1202	1202 E	1302	1302 E	1402	1402 E	1602	1602 E	1802	1802 E
Cooling capacity	kW	316	300	346	328	376	356	424	404	476	456
Total input power	kW	83	90	89	94	95	100	112	118	126	132
Input current	A	144	151	153	162	162	172	190	199	207	216
Evaporator water flow rate (7 °C)	l/h	54350	51600	59510	56420	64670	61230	72930	69490	81870	78430
Evaporator pressure drop	kPa	37	34	40	36	43	39	46	42	46	42
Condenser water consumption (30 °C)	l/h	68630	-	74820	-	81010	-	92190	-	103540	-
Condenser pressure drop	kPa	55	-	61	-	66	-	72	-	73	-
Heating capacity	kW	338	-	361	-	384	-	444	-	520	-
Total input power	kW	112	-	119	-	126	-	146	-	172	-
Input current	A	190	-	197	-	205	-	240	-	274	-
Condenser water flow rate (50 °C)	l/h	58140	-	62090	-	66050	-	76370	-	89440	-
Condenser pressure drop	kPa	43	-	44	-	45	-	49	-	55	-
Evaporator water consumption (10 °C)	l/h	38870	-	41620	-	44380	-	51260	-	59860	-
Evaporator pressure drop	kPa	19	-	20	-	21	-	23	-	25	-
♪ Sound pressure	dB(A)	59,5	59,5	60	60	60,5	60,5	61,0	61,0	61,5	61,5
Evaporator water contents (l)	circ. 1	12.8	12.8	12.8	12.8	14.5	14.5	14.5	14.5	18.1	18.1
	circ. 2	12.8	12.8	14.5	14.5	14.5	14.5	18.1	18.1	18.1	18.1
Evaporator water connections* (Ø)	circ. 1	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"
	circ. 2	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"
Condenser water contents (l)	circ. 1	12.8	-	12.8	-	14.5	-	14.5	-	18.1	-
	circ. 2	12.8	-	14.5	-	14.5	-	18.1	-	18.1	-
Condenser water connections* (Ø)	circ. 1	V/2"	-	V/2"	-	V/2"	-	V/2"	-	V/2"	-
	circ. 2	V/2"	-	V/2"	-	V/2"	-	V/2"	-	V/2"	-
Carter electric heater	W	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150
Partialisation steps	n.	6	4	6	4	6	4	6	4	6	4
Max. current	A	211	211	223	223	235	235	276	276	312	312
Peak current	A	383	383	367	367	375	375	449	449	516	516

Mod.		2002	2002 E	2202	2202 E	2502	2502 E	2802	2802 E
Cooling capacity	kW	543	521	610	586	696	664	782	742
Total input power	kW	137	147	148	158	173	183	198	210
Input current	A	229	240	250	264	291	304	333	347
Evaporator water flow rate (7 °C)	l/h	93400	89610	104920	100790	119710	114210	134500	127620
Evaporator pressure drop	kPa	43	39	44	40	44	40	43	39
Condenser water consumption (30 °C)	l/h	116960	-	130380	-	149470	-	168560	-
Condenser pressure drop	kPa	63	-	69	-	70	-	71	-
Heating capacity	kW	571	-	622	-	730	-	838	-
Total input power	kW	185	-	198	-	233	-	268	-
Input current	A	299	-	324	-	380	-	437	-
Condenser water flow rate (50 °C)	l/h	98210	-	106980	-	125560	-	144140	-
Condenser pressure drop	kPa	50	-	48	-	51	-	53	-
Evaporator water consumption (10 °C)	l/h	66390	-	72930	-	85480	-	98040	-
Evaporator pressure drop	kPa	21	-	21	-	23	-	24	-
♪ Sound pressure	dB(A)	62	62	63	63	63	63	63	63
Evaporator water contents (l)	circ. 1	18.1	18.1	20.0	20.0	20.0	20.0	27.6	27.6
	circ. 2	20.0	20.0	20.0	20.0	27.6	27.6	27.6	27.6
Evaporator water connections* (Ø)	circ. 1	V/2	V/2	V/3"	V/3"	V/3"	V/3"	V/3"	V/3"
	circ. 2	V/3	V/3	V/3"	V/3"	V/3"	V/3"	V/3"	V/3"
Condenser water contents (l)	circ. 1	18.1	-	20.0	-	20.0	-	27.6	-
	circ. 2	20.0	-	20.0	-	27.6	-	27.6	-
Condenser water connections* (Ø)	circ. 1	G2"	-	DN80	-	DN80	-	DN80	-
	circ. 2	DN80	-	DN80	-	DN80	-	DN80	-
Carter electric heater	W	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150
Partialisation steps	n.	6	4	6	4	6	4	6	4
Max. current	A	343	343	374	374	436	436	497	497
Peak current	A	593	593	613	613	761	761	778	778

Power supply = 3 ~ 400V 50 Hz.

Performance values refer to the following conditions:

■ Cooling:

- processed water temperature 7 °C
- condenser water inlet temperature 30 °C
- Δt = 5 °C

■ Cooling (NWB E):

- processed water temperature 7 °C
- condensation temperature 45 °C
- evaporator water inlet temperature 12 °C
- Δt = 5 °C

■ Heating:

- processed water temperature 50 °C
- evaporator water inlet temperature 10 °C
- Δt = 5 °C

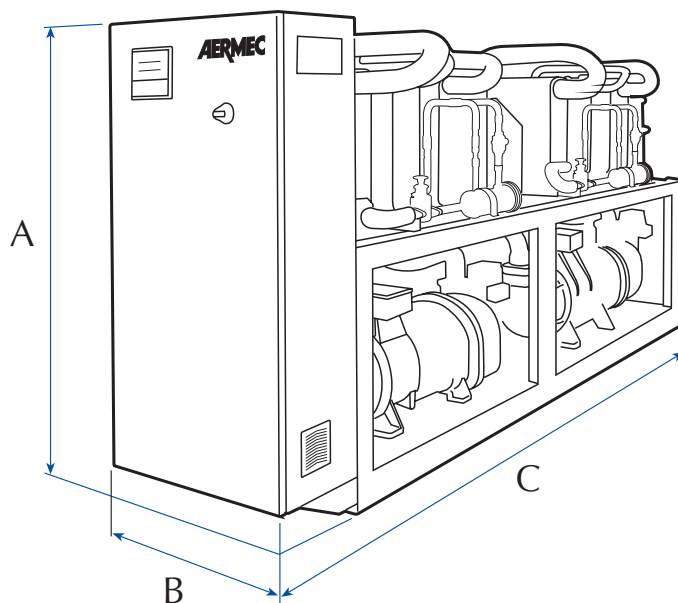
- power supply: 400 V.

♪ Sound pressure measured in free field conditions at distance of 10 m with direction factor = 2.

In accordance with ISO 3744 regulations

*: V = Victaulic connection

Dimensions (mm)



Mod.		0601	0601 E	0701	0701 E	0801	0801 E	0901	0901 E	1101	1101 E	1401	1401 E
Height	A	1785	1785	1785	1785	1785	1785	1785	1785	1895	1905	1895	1905
	A (NWB L)	1790	1790	1790	1790	1790	1790	1790	1790	1910	1910	1910	1910
Width	B	800	800	800	800	800	800	800	800	800	800	800	800
Depth	C	1506	1506	1506	1506	1506	1506	2006	2006	2306	2306	2306	2306
Weight	kg	810	750	933	868	957	872	1140	1060	1410	1320	1541	1421

Mod.		1202	1202 E	1302	1302 E	1402	1402 E	1602	1602 E	1802	1802 E
Height	A	1785	1785	1785	1785	1785	1785	1785	1785	1785	1785
	A (NWB L)	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
Width	B	800	800	800	800	800	800	800	800	800	800
Depth	C	3306	3306	3306	3306	3306	3306	4306	3306	4306	4306
Weight	kg	1585	1465	1703	1578	1826	1691	1874	1699	2245	2080

Mod.		2002	2002 E	2202	2202 E	2502	2502 E	2802	2802 E
Height	A	1895	1905	1895	1905	1895	1905	1895	1905
	A (NWB L)	1910	1910	1910	1910	1910	1910	1910	1910
Width	B	800	800	800	800	800	800	800	800
Depth	C	4306	4306	4306	4306	4606	4606	4606	4606
Weight	kg	2495	2325	2736	2555	2876	2666	3007	2767