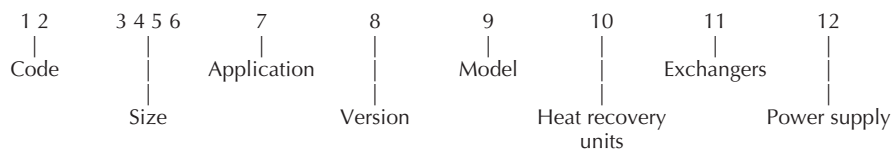




## Selection

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

### Configuration rules:



#### Code:

NW

#### Size:

0601, 0701, 0901, 1101, 1401, 1601  
1202, 1302, 1402, 1602, 1802, 2002, 2202, 2502, 2802, 3002, 3202

#### 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: **NW1402L8**

This code refers to a heat pump NW 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	0901	0901 E	1101	1101 E	1401	1401 E	1601	1601 E
Cooling capacity	kW	157	145	185	172	240	225	310	292	390	362	455	426
Total input power	kW	42	45	49	52	66	70	84	90	103	110	119	129
Input current	A	75	79	87	92	115	120	146	153	183	193	254	267
Evaporator water flow rate (7 °C)	l/h	27000	24940	31820	29580	41280	38700	53320	50220	67080	62260	78260	73270
Evaporator pressure drop	kPa	32.0	27.0	36.0	31.0	43.0	38.0	48.0	42.0	43.0	37.0	39.0	34.0
Condenser water consumption (30 °C)	l/h	34230	-	40250	-	52630	-	67770	-	84800	-	98730	-
Condenser pressure drop	kPa	51.0	-	58.0	-	71.0	-	79.0	-	70.0	-	64.0	-
Heating capacity	kW	172	-	206	-	276	-	360	-	440	-	530	-
Total input power	kW	55	-	65	-	88	-	115	-	136	-	165	-
Input current	A	95	-	110	-	149	-	193	-	233	-	323	-
Condenser water flow rate (50 °C)	l/h	29580	-	35430	-	47470	-	61920	-	75680	-	91160	-
Condenser pressure drop	kPa	38.0	-	45.0	-	58.0	-	66.0	-	56.0	-	55.0	-
Evaporator water consumption (10 °C)	l/h	20120	-	24250	-	32340	-	42140	-	52290	-	62780	-
Evaporator pressure drop	kPa	17.0	-	21.0	-	26.0	-	30.0	-	26.0	-	25.0	-
♪ Sound pressure	dB(A)	53	53	53,5	53,5	55	55	56,0	56,0	56,5	56,5	57,5	57,5
Evaporator water contents	l	12.8	12.8	14.5	14.5	18.1	18.1	20.0	20.0	27.6	27.6	35.2	35.2
Evaporator water connections*	Ø	V/2"	V/2"	V/2"	V/2"	V/2"	V/2"	V/3"	V/3"	V/3"	V/3"	V/3"	V/3"
Condenser water contents	l	12.8	-	14.5	-	18.1	-	20.0	-	27.6	-	35.2	-
Condenser water connections*	Ø	V/2"	-	V/2"	-	V/2"	-	V/3"	-	V/3"	-	V/3"	-
Carter electric heater	W	150	150	150	150	150	150	150	150	150	150	150	150
Refrigerant charge	kg	18.5	0.5	21	0.5	26	0.5	28.5	0.5	40	0.5	51	0.5
Max. current	A	105	105	120	120	160	160	200	200	250	250	360	360
Peak current	A	190	190	250	250	250	250	320	320	300	300	425	425

**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 (NW 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: 380 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	2002	2002 E
Cooling capacity	kW	314	290	342	317	370	344	425	397	480	450	550	517
Total input power	kW	84	90	91	97	98	104	115	122	132	140	150	160
Input current	A	150	158	162	171	174	184	202	212	230	240	261	273
Evaporator water flow rate (7 °C)	l/h	54010	49880	58820	54520	63640	59170	73100	68280	82560	77400	94600	88920
Evaporator pressure drop	kPa	32.0	27.0	34.0	29.0	36.0	31.0	40.0	34.0	43.0	28.0	46.0	40.0
Condenser water consumption (30 °C)	l/h	68460	-	74480	-	80500	-	92880	-	105260	-	120400	-
Condenser pressure drop	kPa	51.0	-	54.0	-	58.0	-	65.0	-	71.0	-	76.0	-
Heating capacity	kW	344	-	378	-	412	-	482	-	552	-	636	-
Total input power	kW	110	-	120	-	130	-	153	-	176	-	203	-
Input current	A	190	-	205	-	220	-	259	-	298	-	342	-
Condenser water flow rate (50 °C)	l/h	59170	-	65020	-	70860	-	82900	-	94940	-	109390	-
Condenser pressure drop	kPa	38.0	-	42.0	-	45.0	-	52.0	-	58.0	-	62.0	-
Evaporator water consumption (10 °C)	l/h	40250	-	44380	-	48500	-	56590	-	64670	-	74480	-
Evaporator pressure drop	kPa	17.0	-	19.0	-	21.0	-	24.0	-	26.0	-	28.0	-
♪ Sound pressure	dB(A)	55,5	55,5	56	56	56	56	57,0	57,0	57,5	57,5	58	58
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	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	20.0	20.0
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"	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"	V/3"	V/3"
Condenser water contents ( l )	circ. 1	12.8	-	12.8	-	14.5	-	14.5	-	18.1	-	18.1	-
	circ. 2	12.8	-	14.5	-	14.5	-	18.1	-	18.1	-	20.0	-
Condenser water connections* (Ø)	circ. 1	V/2"	-	V/2"	-	V/2"	-	V/2"	-	V/2"	-	G2"	-
	circ. 2	V/2"	-	V/2"	-	V/2"	-	V/2"	-	V/2"	-	DN80	-
Carter electric heater	W	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150
Refrigerant charge	kg	2x18.5	2x0.5	18.5+21	0.5+0.5	2x21	2x0.5	21+26	0.5+0.5	2x26	2x0.5	26+28.5	0.5+0.5
Max. current	A	210	210	225	225	240	240	280	280	320	320	360	360
Peak current	A	285	270	345	330	360	340	360	340	400	370	470	440

Mod.		2202	2202 E	2502	2502 E	2802	2802 E	3002	3002 E	3202	3202 E
Cooling capacity	kW	620	584	700	654	780	724	845	788	910	852
Total input power	kW	168	180	187	200	206	220	222	240	238	259
Input current	A	292	306	329	346	366	386	437	460	508	534
Evaporator water flow rate (7 °C)	l/h	106640	100450	120400	112490	134160	124530	145340	135540	156520	146540
Evaporator pressure drop	kPa	48.0	42.0	45.0	39.0	43.0	37.0	41.0	36.0	40.0	34.0
Condenser water consumption (30 °C)	l/h	135540	-	152560	-	169590	-	183520	-	197460	-
Condenser pressure drop	kPa	79.0	-	74.0	-	70.0	-	66.0	-	64.0	-
Heating capacity	kW	720	-	800	-	880	-	970	-	1060	-
Total input power	kW	230	-	251	-	272	-	301	-	330	-
Input current	A	386	-	426	-	466	-	556	-	646	-
Condenser water flow rate (50 °C)	l/h	123840	-	137600	-	151360	-	166840	-	182320	-
Condenser pressure drop	kPa	66.0	-	60.0	-	56.0	-	55.0	-	55.0	-
Evaporator water consumption (10 °C)	l/h	84280	-	94430	-	104580	-	115070	-	125560	-
Evaporator pressure drop	kPa	30.0	-	28.0	-	26.0	-	26.0	-	25.0	-
♪ Sound pressure	dB(A)	58,5	58,5	59	59	59	59	59,5	59,5	60	60
Evaporator water contents ( l )	circ. 1	20.0	20.0	20.0	20.0	27.6	27.6	27.6	27.6	35.2	35.2
	circ. 2	20.0	20.0	27.6	27.6	27.6	27.6	35.2	35.2	35.2	35.2
Evaporator water connections* (Ø)	circ. 1	V/3"	V/3"	V/3"	V/3"	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"	V/3"	V/3"
Condenser water contents ( l )	circ. 1	20.0	-	20.0	-	27.6	-	27.6	-	35.2	-
	circ. 2	20.0	-	27.6	-	27.6	-	35.2	-	35.2	-
Condenser water connections* (Ø)	circ. 1	DN80	-	DN80	-	DN80	-	DN80	-	DN80	-
	circ. 2	DN80	-	DN80	-	DN80	-	DN80	-	DN80	-
Carter electric heater	W	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150	2x150
Refrigerant charge	kg	2x28.5	2x0.5	28.5+40	0.5+0.5	2x40	2x0.5	40+51	0.5+0.5	2x51	2x0.5
Max. current	A	400	400	450	450	500	500	610	610	720	720
Peak current	A	515	475	495	455	535	495	660	620	750	690

**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 (NW 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

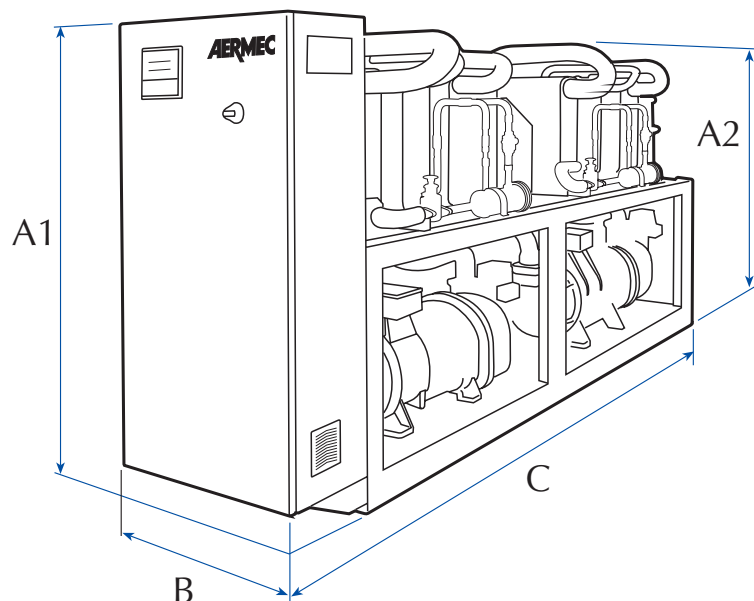
- power supply: 380 V.

♪ 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	0901	0901 E	1101	1101 E	1401	1401 E	1601	1601 E
Height	A1	1735	1735	1735	1735	1735	1735	1725	1725	1725	1725	1725	1725
	A2 (NW)	1735	1735	1735	1735	1735	1735	1825	1825	1825	1825	1825	1825
	A2 (NW L)	1735	1735	1735	1735	1735	1735	1925	1925	1925	1925	1925	1925
Width	B	800	800	800	800	800	800	800	800	800	800	800	800
Depth	C	1506	1506	1506	1506	2006	2006	2306	2306	2306	2306	2306	2306
Weight	kg	850	790	890	825	1100	1020	1185	1095	1490	1370	1610	1460

Mod.		1202	1202 E	1302	1302 E	1402	1402 E	1602	1602 E	1802	1802 E	2002	2002 E
Height	A1	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725
	A2 (NW)	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1825	1825
	A2 (NW L)	1725	1725	1725	1725	1725	1725	1725	1725	1725	1725	1925	1925
Width	B	800	800	800	800	800	800	800	800	800	800	800	800
Depth	C	3306	3306	3306	3306	3306	3306	3806	3806	4306	4306	4306	4306
Weight	kg	1665	1545	1700	1575	1740	1605	1955	1805	2165	2000	2230	2060

Mod.		2202	2202 E	2502	2502 E	2802	2802 E	3002	3002 E	3202	3202 E
Height	A1	1725	1725	1925	1925	1925	1925	1925	1925	1925	1925
	A2 (NW)	1825	1825	1925	1925	1925	1925	1925	1925	1925	1925
	A2 (NW L)	1925	1925	1925	1925	1925	1925	1925	1925	1925	1925
Width	B	800	800	800	800	800	800	800	800	800	800
Depth	C	4306	4306	4606	4606	4606	4606	4606	4606	4606	4606
Weight	kg	2285	2105	2600	2390	2905	2665	3025	2755	3145	2845