

NSG

Air-water chiller

Cooling capacity 228 ÷ 1580 kW

- **Microchannel coils**
- **High efficiency also at partial loads**
- **Night mode**



DESCRIPTION

Air-cooled outdoor chiller designed to meet air conditioning needs in residential/commercial complexes or industrial applications. Outdoor units with high-efficiency screw compressors axial fans, microchannel external coils and plant side shell and tube heat exchanger. In the unit with desuperheater, it is also possible to produce free-hot water.

The base the structure and the panels are made of steel treated with polyester paint RAL 9003.

VERSIONS

- ° Standard
- A** High efficiency
- E** Silenced high efficiency
- L** Standard silenced
- N** Silenced very high efficiency
- U** Very high efficiency

FEATURES

HFO R1234ze refrigerant gas

HFO R1234ze is a mixture featuring:

with thermodynamic properties that guarantee and sometimes improve efficiencies achieved with HFC refrigerants.

Bi-tri circuit unit

Unit with 2/3 refrigerant circuits designed to provide maximum efficiency at full load, ensuring high efficiency at partial loads also and ensuring continuity in case one of the circuits stops.

Aluminium microchannel coils

The microchannel condensing aluminum coils ensure high levels of efficiency, reduced quantities of refrigerant and lower unit weight. The treatment "O" available as configurator it ensures high resistance to corrosion even in the most aggressive environments.

Electronic expansion valve

The possibility to use electronic expansion valve, offers significant benefits, especially when the chiller is working with partial loads, increasing the energy efficiency of the unit.

Integrated hydronic kit

CONTROL

Microprocessor adjustment, with keyboard and LCD display, for easy consultation and intervention on the unit via a menu available in several languages.

- The presence of a programmable timer allows functioning time periods and a possible second set-point to be set.
- The temperature control takes place with the integral proportional logic, based on the water output temperature.
- **Night Mode:** it is possible to set a silenced operation profile. Perfect for night operation since it guarantees greater acoustic comfort in the evenings, and a high efficiency in the time of greater load. **Night Mode for standard versions is mandatory DCPX accessory (standard on all low noise versions) or "J" inverter fan**

ACCESSORIES

AER485P1 x n° 2: RS-485 interface for supervision systems with MODBUS protocol.

AER485P1 x n° 3: RS-485 interface for supervision systems with MODBUS protocol.

AERNET: The device allows the control, the management and the remote monitoring of a Chiller with a PC, smartphone or tablet using Cloud connection. AERNET works as Master while every unit connected is configured as Slave (max. 6 unit); also, with a simple click is possible to save a log file with all the connected unit datas in the personal terminal for post analysis.

AERSET: It makes it possible to automatically compensate for the operation setting of the unit to which it is connected, based on a 0-10V MODBUS input signal. Mandatory accessory MODU-485BL.

C-TOUCH: 7", touch screen keyboard, which allows to navigate intuitively among the various screens, allowing to modify the operating

parameters and graphically view the progress of some variables in real time.

MULTICHILLER_EVO: Control, switch-on and switch-off system of the single chillers where multiple units are installed in parallel, always ensuring constant flow rate to the evaporators.

PRV3: Allows you to control the chiller at a distance.

DCPX: Device for condensation temperature control, with continuous speed modulation of fans by using a pressure transducer.

AVX: Spring anti-vibration supports.

FACTORY FITTED ACCESSORIES

RIF: Power factor correction. Connected in parallel to the motor allowing about 10% reduction of input current.

GP: Anti-intrusion grid kit

KRS: Electric heater for the plate heat exchanger

ACCESSORIES COMPATIBILITY

Accessories

Model	Ver	1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
AER485P1 x n° 2 (1)	°A,E,N,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	L			*	*	*	*	*	*	*	*	*	*	*	*
AERNET	°A,E,L,N,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*
AERSET	A,E,L,N,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*
C-TOUCH	A,E,L,N,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MULTICHILLER_EVO	°A,E,L,N,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PRV3	°A,E,L,N,U	*	*	*	*	*	*	*	*	*	*	*	*	*	*

Model	Ver	4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
AER485P1 x n° 2 (1)	°A,E,L,N,U	*	*	*	*	*	*	*						
	°A,L								*	*	*	*	*	*
AER485P1 x n° 3 (1)	E,U								*	*	*	*		
	N								*					
AERNET	°A,L	*	*	*	*	*	*	*	*	*	*	*	*	*
	E,U	*	*	*	*	*	*	*	*	*	*	*	*	*
AERSET	N	*	*	*	*	*	*	*	*	*	*	*	*	*
	A,L	*	*	*	*	*	*	*	*	*	*	*	*	*
C-TOUCH	E,U	*	*	*	*	*	*	*	*	*	*	*	*	*
	N	*	*	*	*	*	*	*	*	*	*	*	*	*
MULTICHILLER_EVO	°A,L	*	*	*	*	*	*	*	*	*	*	*	*	*
	E,U	*	*	*	*	*	*	*	*	*	*	*	*	*
PRV3	N	*	*	*	*	*	*	*	*	*	*	*	*	*
	°A,L	*	*	*	*	*	*	*	*	*	*	*	*	*

(1) x Indicates the quantity of accessories to match.

Condensation control temperature

Ver	1402	1602	1802	2002	2202	2352	2502	2652	2802	3002
Fans:°										
°	DCPX100	DCPX100	DCPX100	DCPX101	DCPX101	DCPX101	DCPX101	DCPX111	DCPX111	DCPX112
A	DCPX101	DCPX101	DCPX101	DCPX101	DCPX102	DCPX102	DCPX102	DCPX103	DCPX103	DCPX103
E,L	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard
U	DCPX101	DCPX101	DCPX102	DCPX102	DCPX102	DCPX103	DCPX103	DCPX104	DCPX104	DCPX104

Ver	3202	3402	3602	3902	4202	4502	4802	5202	5602	6002
Fans:°										
°	DCPX112	DCPX112	DCPX112	DCPX113	DCPX113	DCPX114	DCPX114	DCPX115	DCPX115	DCPX115
A	DCPX103	DCPX104	DCPX104	DCPX105	DCPX105	DCPX106	DCPX106	DCPX116	DCPX117	DCPX118
E,L	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard	As standard
U	DCPX104	DCPX105	DCPX105	DCPX106	DCPX107	DCPX107	DCPX108	DCPX109	DCPX120	DCPX121

Ver	6402	6503	6703	6903	7203	8403	9603
Fans:°							
°	DCPX116	DCPX135+DCPX113	DCPX135+DCPX113	DCPX125+DCPX114	DCPX114+DCPX136	DCPX114+DCPX136	DCPX114+DCPX136
A	DCPX118	DCPX105+DCPX126	DCPX105+DCPX126	DCPX106+DCPX126	DCPX106+DCPX126	DCPX107+DCPX126	DCPX118+DCPX137
E	As standard	As standard	As standard	As standard	As standard	-	-
L	As standard	As standard	As standard	As standard	As standard	As standard	As standard
U	DCPX122	DCPX106+DCPX127	DCPX107+DCPX127	DCPX107+DCPX127	DCPX108+DCPX127	-	-

The accessory cannot be fitted on the configurations indicated with -

Antivibration

Ver	1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Integrated hydronic kit: 00														
°	AVX962	AVX962	AVX962	AVX963	AVX963	AVX963	AVX963	AVX968	AVX968	AVX966	AVX966	AVX966	AVX966	AVX965
A,L	AVX963	AVX963	AVX963	AVX963	AVX964	AVX964	AVX966	AVX965	AVX965	AVX970	AVX965	AVX967	AVX967	AVX969
E,U	AVX963	AVX963	AVX964	AVX966	AVX966	AVX965	AVX965	AVX967	AVX967	AVX967	AVX967	AVX969	AVX969	AVX971
N	AVX964	AVX964	AVX987	AVX965	AVX965	AVX967	AVX967	AVX969	AVX969	AVX969	AVX969	AVX971	AVX961	AVX972

Ver	4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603	
Integrated hydronic kit: 00														
°	AVX965	AVX967	AVX967	AVX969	AVX969	AVX969	AVX971	AVX978	AVX978	AVX983	AVX984	AVX984	AVX984	
A,L	AVX969	AVX971	AVX971	AVX971	AVX961	AVX972	AVX972	AVX979	AVX979	AVX980	AVX980	AVX986	AVX981	
E,U	AVX961	AVX961	AVX972	AVX972	AVX976	AVX973	AVX974	AVX980	AVX982	AVX982	AVX985	-	-	
N	AVX972	AVX973	AVX974	AVX975	AVX977	AVX977	AVX977	AVX981	-	-	-	-	-	

The accessory cannot be fitted on the configurations indicated with -

Heater exchangers

Ver	1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
°	KRS22	KRS22	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23
A,L	KRS22	KRS22	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS24	KRS24	KRS24
E,N,U	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS23	KRS24	KRS24	KRS24

A grey background indicates the accessories assembled in the factory

Ver	4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
°	KRS23	KRS23	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24
A,L	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS24	KRS23+KRS24	KRS23+KRS24	KRS23+KRS24	KRS23+KRS24	KRS23+KRS24	KRS23+KRS24
E,U	KRS24	KRS24	KRS24	KRS24	KRS23+KRS23	KRS23+KRS23	KRS23+KRS23	KRS23+KRS24	KRS23+KRS24	KRS23+KRS24	KRS23+KRS24	-	-
N	KRS24	KRS24	KRS23+KRS23	KRS23+KRS23	KRS23+KRS23	KRS23+KRS23	KRS23+KRS23	KRS23+KRS24	-	-	-	-	-

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Power factor correction

Ver	1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
°,A,E,L,N,U	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)

(1) Contact us

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Ver	4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
°,A,L	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)
E,U	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	-	-
N	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	RIF (1)	-	-	-	-	-

(1) Contact us

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Anti-intrusion grid

Ver	1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
°	GP3V	GP3V	GP3V	GP4V	GP4V	GP4V	GP4V	GP4V	GP4V	GP5V	GP5V	GP5V	GP5V	GP6V
A	GP4V	GP4V	GP4V	GP5V	GP5V	GP5V	GP5V	GP6V	GP6V	GP6V	GP6V	GP7V	GP7V	GP8V
E,U	GP4V	GP4V	GP5V	GP5V	GP5V	GP6V	GP6V	GP7V	GP7V	GP7V	GP7V	GP8V	GP8V	GP9V
L	GP4V	GP4V	GP4V	GP4V	GP5V	GP5V	GP5V	GP6V	GP6V	GP6V	GP6V	GP7V	GP7V	GP8V
N	GP5V	GP5V	GP6V	GP6V	GP6V	GP7V	GP7V	GP8V	GP8V	GP8V	GP8V	GP9V	GP10V	GP11V

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Ver	4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
°	GP6V	GP7V	GP7V	GP8V	GP8V	GP8V	GP9V	GP9V	GP9V	GP10V	GP11V	GP11V	GP11V
A,L	GP8V	GP9V	GP9V	GP9V	GP10V	GP11V	GP11V	GP4V+GP8V	GP4V+GP8V	GP5V+GP9V	GP5V+GP9V	GP5V+GP10V	GP6V+GP11V
E,U	GP10V	GP10V	GP11V	GP11V	GP6V+GP6V	GP6V+GP7V	GP7V+GP7V	GP5V+GP9V	GP5V+GP10V	GP5V+GP10V	GP6V+GP11V	-	-
N	GP11V	GP6V+GP7V	GP7V+GP7V	GP7V+GP8V	GP8V+GP8V	GP8V+GP8V	GP8V+GP8V	GP6V+GP11V	-	-	-	-	-

The accessory cannot be fitted on the configurations indicated with -

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CONFIGURATOR

Field	Description
1,2,3	NSG
4,5,6,7	Size 1402, 1602, 1802, 2002, 2202, 2352, 2502, 2652, 2802, 3002, 3202, 3402, 3602, 3902, 4202, 4502, 4802, 5202, 5602, 6002, 6402, 6503, 6703, 6903, 7203, 8403, 9603
8	Operating field
X	Electronic thermostatic valve (1)
9	Model
°	Cooling only
10	Heat recovery
°	Without heat recovery
D	With desuperheater (2)
T	With total recovery (3)
11	Version
°	Standard
A	High efficiency
E	Silenced high efficiency
L	Standard silenced
N	Silenced very high efficiency
U	Very high efficiency
12	Coils
°	Alluminium microchannel
O	Painted alluminium microchannel
R	Copper-copper
S	Copper-Tinned copper
V	Copper-painted aluminium
13	Fans
°	Standard
J	Inverter
14	Power supply
°	400V~3 50Hz with fuses
2	230V~3 50Hz with fuses (4)
4	230V~3 50Hz with magnet circuit breakers (4)
5	500V~3 50Hz with fuses (5)
8	400V~3 50Hz with magnet circuit breakers
9	500V~3 50Hz with magnet circuit breakers (5)
15,16	Integrated hydronic kit
00	Without hydronic kit
	Kit with n° 1 pump
PA	Pump A
PB	Pump B
PC	Pump C
PD	Pump D
PE	Pump E
PF	Pump F
PG	Pump G
PH	Pump H
PI	Pump I
PJ	Pump J
	Pump n° 1 pump + stand-by pump
DA	Pump A + stand-by pump
DB	Pump B + stand-by pump
DC	Pump C + stand-by pump
DD	Pump D + stand-by pump
DE	Pump E + stand-by pump
DF	Pump F + stand-by pump
DG	Pump G + stand-by pump
DH	Pump H + stand-by pump
DI	Pump I + stand-by pump
DJ	Pump J + stand-by pump
	Kit with 2 pumps (6)
TF	Double pump F
TG	Double pump G
TH	Double pump H
TI	Double pump I
TJ	Double pump J

(1) Water produced from 4 °C ÷ 15 °C

(2) The temperature of the water in the heat exchanger inlet must never drop below 35°C.

(3) The units from 1402° - 1602° - 1802° with total recovery are not configurable with the integrated hydronic kit. For all other sizes and versions it is to be evaluated at the order stage.

(4) Only for sizes from 1402 to 2202

(5) Only for sizes from 1402 to 3202

(6) For all configurations including pump J please contact the factory.

PERFORMANCE SPECIFICATIONS

NSM - °

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling performance 12 °C/7 °C(1)															
Cooling capacity	kW	228,6	261,3	297,8	334,1	358,6	389,8	402,8	443,7	462,6	506,3	531,6	566,5	623,6	676,0
Input power	kW	74,3	85,8	100,4	108,3	119,9	129,9	138,2	151,6	162,6	167,0	175,7	193,9	214,9	228,2
Cooling total input current	A	138,0	156,0	174,0	192,0	214,0	233,0	248,0	271,0	289,0	297,0	309,0	332,0	359,0	390,0
EER	W/W	3,08	3,05	2,97	3,08	2,99	3,00	2,91	2,93	2,85	3,03	3,02	2,92	2,90	2,96
Water flow rate system side	l/h	39316	44954	51218	57461	61665	67027	69255	76286	79541	87045	91392	97398	107202	116226
Pressure drop system side	kPa	14	18	16	21	24	20	22	18	19	17	19	21	24	29

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Cooling performance 12 °C/7 °C(1)														
Cooling capacity	kW	739,5	792,4	835,2	874,9	897,0	942,5	989,1	1060,2	1095,1	1215,2	1268,8	1333,1	1410,0
Input power	kW	251,7	263,0	281,6	288,8	302,5	320,8	329,9	355,3	375,5	407,7	419,3	461,7	512,0
Cooling total input current	A	434,0	454,0	482,0	500,0	524,0	558,0	581,0	609,0	649,0	701,0	728,0	805,0	900,0
EER	W/W	2,94	3,01	2,97	3,03	2,97	2,94	3,00	2,98	2,92	2,98	3,03	2,89	2,75
Water flow rate system side	l/h	127152	136250	143578	150403	154212	162036	170045	182263	188254	208871	218093	229141	242359
Pressure drop system side	kPa	33	38	28	31	33	38	42	29	31	20	22	25	28

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

NSM - L

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling performance 12 °C/7 °C(1)															
Cooling capacity	kW	227,7	261,7	298,7	335,0	373,6	386,8	415,2	446,3	476,8	498,0	546,8	602,0	645,3	707,0
Input power	kW	72,7	84,0	98,1	112,6	120,1	128,4	138,3	144,3	155,8	165,4	179,1	193,2	212,5	231,2
Cooling total input current	A	131,0	148,0	165,0	192,0	208,0	224,0	242,0	252,0	270,0	284,0	303,0	318,0	342,0	375,0
EER	W/W	3,13	3,12	3,04	2,97	3,11	3,01	3,00	3,09	3,06	3,01	3,05	3,12	3,04	3,06
Water flow rate system side	l/h	39167	45014	51371	57614	64237	66506	71390	76738	81966	85616	94000	103492	110929	121547
Pressure drop system side	kPa	15	18	17	15	19	20	16	19	16	17	19	15	18	22

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Cooling performance 12 °C/7 °C(1)														
Cooling capacity	kW	743,5	806,3	841,6	893,3	933,8	982,7	1023,0	1083,7	1120,2	1222,9	1269,4	1383,5	1517,2
Input power	kW	252,4	266,7	283,5	297,7	306,0	315,5	334,5	357,8	379,1	402,0	421,5	465,5	504,7
Cooling total input current	A	416,0	437,0	465,0	490,0	507,0	533,0	563,0	583,0	623,0	670,0	699,0	763,0	848,0
EER	W/W	2,95	3,02	2,97	3,00	3,05	3,12	3,06	3,03	2,96	3,04	3,01	2,97	3,01
Water flow rate system side	l/h	127821	138615	144692	153568	160522	168943	175872	186277	192550	210223	218211	237808	260789
Pressure drop system side	kPa	24	31	33	24	26	31	33	22	24	31	33	26	32

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

NSM - A

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling performance 12 °C/7 °C(1)															
Cooling capacity	kW	233,0	267,3	306,8	346,4	383,4	397,6	429,0	458,6	491,7	511,7	561,1	619,9	669,1	731,1
Input power	kW	73,5	83,8	96,7	109,8	118,4	126,0	134,9	142,3	152,7	160,7	171,9	187,9	206,4	224,9
Cooling total input current	A	139,0	155,0	170,0	195,0	214,0	229,0	246,0	260,0	276,0	287,0	303,0	322,0	344,0	380,0
EER	W/W	3,17	3,19	3,17	3,15	3,24	3,16	3,18	3,22	3,22	3,18	3,26	3,30	3,24	3,25
Water flow rate system side	l/h	40072	45975	52777	59582	65922	68370	73757	78851	84535	87974	96463	106561	115027	125681
Pressure drop system side	kPa	15	19	18	16	20	22	17	20	16	18	20	16	19	24

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Cooling performance 12 °C/7 °C(1)														
Cooling capacity	kW	770,4	833,7	872,2	923,2	961,9	1011,0	1053,8	1121,6	1160,9	1263,4	1313,4	1432,8	1580,6
Input power	kW	243,7	258,6	273,6	291,5	301,9	312,6	330,2	347,1	365,9	390,3	408,0	451,1	495,6
Cooling total input current	A	417,0	440,0	466,0	502,0	524,0	554,0	583,0	588,0	625,0	676,0	701,0	769,0	866,0
EER	W/W	3,16	3,22	3,19	3,17	3,19	3,23	3,19	3,23	3,17	3,24	3,22	3,18	3,19
Water flow rate system side	l/h	132447	143336	149960	158709	165357	173799	181161	192795	199561	217184	225782	246285	271702
Pressure drop system side	kPa	26	33	36	26	28	33	35	24	26	33	36	27	35

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

NSM - E

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling performance 12 °C/7 °C(1)															
Cooling capacity	kW	243,5	281,0	317,4	359,0	387,6	413,2	428,5	471,9	494,2	514,3	550,0	608,1	654,7	714,4
Input power	kW	73,6	86,3	96,5	111,1	122,0	126,7	133,3	144,0	153,3	160,2	172,1	188,9	204,8	222,5
Cooling total input current	A	133,0	152,0	163,0	189,0	211,0	222,0	237,0	251,0	267,0	279,0	293,0	310,0	334,0	368,0
EER	W/W	3,31	3,26	3,29	3,23	3,18	3,26	3,21	3,28	3,22	3,21	3,20	3,22	3,20	3,21
Water flow rate system side	l/h	41877	48309	54578	61723	66638	71045	73675	81134	84968	88414	94560	104538	112548	122817
Pressure drop system side	kPa	12	11	14	9	11	12	13	15	16	18	19	16	18	23

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Cooling performance 12 °C/7 °C(1)														
Cooling capacity	kW	764,3	813,2	877,0	900,7	944,8	1000,3	1028,9	1101,9	1151,7	1242,8	1300,9	-	-
Input power	kW	236,0	255,6	273,4	283,8	292,9	310,2	318,7	343,0	357,9	392,1	407,8	-	-
Cooling total input current	A	399,0	428,0	450,0	475,0	495,0	519,0	544,0	572,0	599,0	656,0	673,0	-	-
EER	W/W	3,24	3,18	3,21	3,17	3,23	3,22	3,23	3,21	3,22	3,17	3,19	-	-
Water flow rate system side	l/h	131397	139814	150755	154839	162399	171941	176857	189402	197982	213642	223617	-	-
Pressure drop system side	kPa	26	32	24	25	16	16	19	23	26	32	24	-	-

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

NSM - U

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling performance 12 °C/7 °C(1)															
Cooling capacity	kW	249,3	288,6	324,9	369,0	399,5	423,8	440,0	483,4	507,1	526,0	564,2	623,1	674,9	735,2
Input power	kW	74,1	85,8	96,9	110,1	120,0	126,0	132,1	143,6	152,2	157,5	167,5	185,9	201,2	218,7
Cooling total input current	A	141,0	158,0	172,0	196,0	217,0	231,0	246,0	263,0	277,0	287,0	298,0	319,0	342,0	377,0
EER	W/W	3,36	3,36	3,35	3,35	3,33	3,36	3,33	3,37	3,33	3,34	3,37	3,35	3,35	3,36
Water flow rate system side	l/h	42866	49623	55869	63446	68694	72874	75659	83113	87181	90438	96990	107116	116011	126384
Pressure drop system side	kPa	13	11	14	10	11	13	14	16	17	18	20	17	20	24

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Cooling performance 12 °C/7 °C(1)														
Cooling capacity	kW	784,5	837,2	901,8	927,6	971,1	1026,7	1054,7	1133,1	1182,5	1280,2	1339,0	-	-
Input power	kW	232,3	250,1	268,3	277,9	288,3	306,2	315,5	337,3	352,2	383,1	399,1	-	-
Cooling total input current	A	411,0	437,0	461,0	486,0	509,0	536,0	564,0	586,0	617,0	668,0	689,0	-	-
EER	W/W	3,38	3,35	3,36	3,34	3,37	3,35	3,34	3,36	3,36	3,34	3,36	-	-
Water flow rate system side	l/h	134866	143931	155027	159459	166915	176480	181297	194780	203262	220062	230162	-	-
Pressure drop system side	kPa	28	34	25	27	17	17	20	24	28	34	25	-	-

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

NSM - N

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling performance 12 °C/7 °C(1)															
Cooling capacity	kW	245,2	283,6	318,2	364,5	394,3	417,2	432,9	475,2	498,1	517,4	552,6	613,0	669,6	727,4
Input power	kW	73,4	84,4	95,3	107,6	118,7	124,5	130,7	141,2	149,3	156,7	165,7	182,9	200,4	216,0
Cooling total input current	A	132,0	149,0	162,0	185,0	207,0	219,0	234,0	249,0	264,0	274,0	287,0	306,0	324,0	359,0
EER	W/W	3,34	3,36	3,34	3,39	3,32	3,35	3,31	3,37	3,34	3,30	3,34	3,35	3,34	3,37
Water flow rate system side	l/h	42156	48766	54716	62663	67797	71743	74443	81707	85643	88946	95006	105378	115107	125049
Pressure drop system side	kPa	13	11	15	9	11	13	14	15	17	18	20	16	20	24

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Cooling performance 12 °C/7 °C(1)														
Cooling capacity	kW	766,9	834,2	880,8	925,4	961,2	1003,2	1036,3	1120,4	-	-	-	-	-
Input power	kW	230,1	248,2	261,5	275,0	286,5	296,1	311,6	333,3	-	-	-	-	-
Cooling total input current	A	395,0	413,0	435,0	458,0	480,0	509,0	537,0	557,0	-	-	-	-	-
EER	W/W	3,33	3,36	3,37	3,36	3,35	3,39	3,33	3,36	-	-	-	-	-
Water flow rate system side	l/h	131846	143411	151421	159089	165211	172435	178132	192584	-	-	-	-	-
Pressure drop system side	kPa	27	23	29	29	17	17	20	24	-	-	-	-	-

(1) Data 14511:2018; System side water heat exchanger 12 °C/7 °C; External air 35 °C

ENERGY DATA

Size			1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Cooling capacity with low leaving water temp (UE n° 2016/2281)																
SEER	°	W/W	3,94	4,00	3,95	4,04	4,02	4,04	4,10	4,10	4,11	4,11	4,12	4,11	4,12	4,13
	A	W/W	4,10	4,17	4,09	4,14	4,18	4,17	4,17	4,17	4,20	4,17	4,22	4,27	4,24	4,24
	E	W/W	4,22	4,29	4,34	4,23	4,18	4,26	4,23	4,30	4,27	4,29	4,29	4,31	4,30	4,31
	L	W/W	4,01	4,11	4,04	4,07	4,12	4,11	4,13	4,11	4,12	4,14	4,15	4,20	4,16	4,17
	N	W/W	4,29	4,34	4,45	4,27	4,18	4,24	4,22	4,28	4,23	4,26	4,27	4,31	4,29	4,30
	U	W/W	4,28	4,35	4,39	4,29	4,24	4,32	4,29	4,36	4,33	4,35	4,35	4,37	4,36	4,37
η _{sc}	°	%	154,40	156,90	155,00	158,60	157,70	158,40	161,10	161,10	161,20	161,50	161,90	161,50	161,60	162,20
	A	%	161,00	163,60	160,70	162,70	164,30	163,90	163,70	163,90	164,80	163,80	165,80	167,90	166,60	166,60
	E	%	165,90	168,60	170,40	166,30	164,00	167,40	166,20	169,10	167,60	168,50	168,40	169,40	168,80	169,30
	L	%	157,50	161,30	158,40	159,60	161,80	161,30	162,20	161,40	161,90	162,40	163,10	165,10	163,30	163,90
	N	%	168,70	170,70	174,80	167,80	164,20	166,60	165,70	168,10	166,20	167,20	167,70	169,30	168,50	168,80
	U	%	168,10	171,00	172,70	168,60	166,40	169,80	168,50	171,30	170,00	170,90	171,00	171,90	171,40	171,80
Size																
			4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603	
Cooling capacity with low leaving water temp (UE n° 2016/2281)																
SEER	°	W/W	4,12	4,13	4,10	4,10	4,11	4,12	4,11	4,17	4,13	4,20	4,21	4,15	4,15	
	A	W/W	4,20	4,22	4,22	4,22	4,24	4,24	4,21	4,32	4,27	4,33	4,31	4,30	4,32	
	E	W/W	4,32	4,28	4,33	4,25	4,27	4,28	4,36	4,43	4,45	4,32	4,36	-	-	
	L	W/W	4,12	4,15	4,13	4,13	4,16	4,17	4,13	4,26	4,21	4,28	4,25	4,22	4,25	
	N	W/W	4,26	4,29	4,30	4,33	4,27	4,29	4,27	4,35	-	-	-	-	-	
	U	W/W	4,38	4,34	4,40	4,31	4,33	4,34	4,42	4,48	4,50	4,36	4,40	-	-	
η _{sc}	°	%	161,80	162,10	161,00	161,10	161,20	161,70	161,50	163,80	162,00	165,00	165,20	162,80	162,90	
	A	%	164,80	165,70	165,60	165,80	166,50	166,50	165,40	169,60	167,90	170,30	169,30	168,80	169,80	
	E	%	169,70	168,00	170,30	166,90	167,80	168,20	171,40	174,00	174,90	169,80	171,30	-	-	
	L	%	161,60	162,80	162,30	162,10	163,20	163,60	162,30	167,30	165,50	168,20	167,00	165,90	167,10	
	N	%	167,50	168,50	169,10	170,20	167,80	168,70	167,60	171,10	-	-	-	-	-	
	U	%	172,10	170,40	172,80	169,20	170,00	170,40	173,80	176,00	177,10	171,40	173,10	-	-	

ELECTRIC DATA

Size			1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Electric data																
Maximum current (FLA)	°	A	223,7	241,3	264,3	300,3	327,4	346,4	365,4	386,4	407,4	431,3	446,3	470,3	494,3	543,1
	A,L	A	232,6	250,2	273,2	300,3	336,3	355,3	374,3	404,1	425,1	440,1	455,1	488,0	512,0	560,9
	E,U	A	232,6	250,2	282,1	309,2	336,3	364,1	383,1	413,0	434,0	449,0	464,0	496,9	520,9	569,8
	N	A	241,5	259,1	290,9	318,0	345,1	373,0	392,0	421,9	442,9	457,9	472,9	505,8	538,7	593,4
Peak current (LRA)	°	A	252,0	287,1	329,4	376,3	395,0	442,0	459,0	486,0	493,7	597,6	636,2	665,2	661,2	791,0
	A,L	A	260,9	296,0	338,3	376,3	403,9	450,9	467,9	503,7	511,4	606,4	645,0	682,9	678,9	808,8
	E,U	A	260,9	296,0	347,2	385,2	403,9	459,7	476,7	512,6	520,3	615,3	653,9	691,8	687,8	817,7
	N	A	269,8	304,9	356,0	394,0	412,7	468,6	485,6	521,5	529,2	624,2	662,8	700,7	705,6	841,3
Size																
			4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603	
Electric data																
Maximum current (FLA)	°	A	583,1	625,0	658,0	697,9	728,9	760,9	801,8	831,8	871,8	946,7	994,4	1087,4	1183,4	
	A,L	A	600,9	642,8	675,8	706,8	746,7	793,4	825,4	864,3	904,3	988,1	1021,1	1122,9	1236,7	
	E,U	A	618,7	651,7	699,4	730,4	770,3	811,2	852,1	882,1	930,9	996,9	1038,8	-	-	
	N	A	633,4	684,2	726,1	765,9	805,8	837,8	869,8	908,7	-	-	-	-	-	
Peak current (LRA)	°	A	821,3	894,2	914,2	1078,1	1097,9	1209,9	1249,8	993,9	1024,2	1117,1	1151,8	1346,4	1520,4	
	A,L	A	839,1	912,0	932,0	1087,0	1115,7	1242,4	1273,4	1026,4	1056,7	1158,5	1178,5	1381,9	1573,7	
	E,U	A	856,9	920,9	955,6	1110,6	1139,3	1260,2	1300,1	1044,2	1083,3	1167,3	1196,2	-	-	
	N	A	871,6	953,4	982,3	1146,1	1174,8	1286,8	1317,8	1070,8	-	-	-	-	-	

GENERAL TECHNICAL DATA

Size			1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Compressor																
Type	° ,A,E,L,N,U	type	screw													
Number	° ,A,E,L,N,U	no.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Circuits	° ,A,E,L,N,U	no.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Refrigerant	° ,A,E,L,N,U	type	R1234ze													
Refrigerant charge	°	kg	42,0	46,0	50,0	56,0	60,0	63,0	66,0	69,0	72,0	80,0	84,0	88,0	92,0	100,0
	A	kg	58,0	62,0	66,0	70,0	80,0	83,0	86,0	93,0	96,0	100,0	104,0	114,0	118,0	128,0
	E	kg	62,0	66,0	76,0	80,0	84,0	93,0	96,0	105,0	108,0	112,0	116,0	126,0	130,0	142,0
	L	kg	50,0	54,0	58,0	62,0	70,0	73,0	76,0	83,0	86,0	90,0	94,0	102,0	106,0	116,0
	N	kg	70,0	74,0	84,0	88,0	92,0	101,0	104,0	113,0	116,0	120,0	124,0	134,0	144,0	156,0
	U	kg	64,0	68,0	78,0	82,0	86,0	95,0	98,0	107,0	110,0	114,0	118,0	128,0	132,0	144,0
System side heat exchanger																
Type	° ,A,E,L,N,U	type	Plates													
Number	° ,A,E,L,N,U	no.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Hydraulic connections																
Connections (in/out)	° ,A,E,L,N,U	Type	Grooved joints													
Diametre (in/out)	°	Ø	5"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"
	A,L	Ø	5"	5"	6"	6"	6"	6"	6"	6"	6"	6"	6"	8"	8"	8"
	E,N,U	Ø	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	6"	8"	8"	8"
Sound data calculated in cooling mode (1)																
Sound power	°	dB(A)	96,8	97,0	97,2	97,6	97,8	98,0	98,2	98,4	98,4	99,4	99,5	99,6	99,8	100,7
	A	dB(A)	97,3	97,4	97,8	97,9	98,2	98,3	98,4	98,8	98,9	99,0	99,1	99,3	99,4	100,1
	E	dB(A)	89,3	89,4	90,2	90,3	90,4	90,8	91,2	91,8	92,0	92,2	92,3	92,8	93,0	93,2
	L	dB(A)	88,9	89,0	89,1	89,2	90,3	90,5	90,6	90,8	90,9	91,0	91,1	91,3	91,4	92,4
	N	dB(A)	90,0	90,4	90,9	91,0	91,1	91,4	91,4	92,1	92,2	92,3	92,4	92,8	93,1	93,3
	U	dB(A)	97,0	97,4	98,0	98,2	98,4	98,8	98,8	99,0	99,1	99,2	99,3	99,9	100,0	100,4
Sound pressure level (10 m)	°	dB(A)	64,5	64,7	64,9	65,2	65,4	65,6	65,8	66,0	66,0	66,9	67,0	67,1	67,3	68,1
	A	dB(A)	64,9	65,0	65,4	65,5	65,7	65,8	65,9	66,2	66,3	66,4	66,5	66,5	66,6	67,2
	E	dB(A)	56,9	57,0	57,7	57,8	57,9	58,2	58,6	59,0	59,2	59,4	59,5	59,9	60,1	60,2
	L	dB(A)	56,5	56,6	56,7	56,8	57,8	58,0	58,1	58,2	58,3	58,4	58,5	58,5	58,6	59,5
	N	dB(A)	57,5	57,9	58,3	58,4	58,5	58,6	58,6	59,2	59,3	59,4	59,5	59,8	60,0	60,1
	U	dB(A)	64,6	65,0	65,5	65,7	65,9	66,2	66,2	66,2	66,3	66,4	66,5	67,0	67,1	67,4

(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure (cold functioning) measured in free field, 10m away from the unit external surface (in compliance with UNI EN ISO 3744).

Size		4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603	
Compressor															
Type	° ,A,E,L,N,U	screw													
Number	° ,A,L	no.	2	2	2	2	2	2	2	3	3	3	3	3	
	E,U	no.	2	2	2	2	2	2	2	3	3	3	3	-	
	N	no.	2	2	2	2	2	2	2	3	-	-	-	-	
Circuits	° ,A,L	no.	2	2	2	2	2	2	2	3	3	3	3	3	
	E,U	no.	2	2	2	2	2	2	2	3	3	3	3	-	
	N	no.	2	2	2	2	2	2	2	3	-	-	-	-	
Refrigerant	° ,A,E,L,N,U	R1234ze													
Refrigerant charge	°	kg	106,0	116,0	122,0	132,0	140,0	148,0	160,0	153,0	159,0	177,0	183,0	210,0	240,0
	A	kg	134,0	146,0	152,0	160,0	172,0	186,0	194,0	195,0	201,0	222,0	228,0	258,0	291,0
	E	kg	154,0	160,0	172,0	180,0	194,0	208,0	222,0	216,0	231,0	243,0	258,0	-	-
	L	kg	122,0	132,0	138,0	146,0	158,0	170,0	178,0	177,0	183,0	201,0	207,0	237,0	267,0
	N	kg	162,0	180,0	192,0	206,0	220,0	228,0	236,0	237,0	-	-	-	-	-
	U	kg	156,0	162,0	174,0	182,0	196,0	210,0	224,0	219,0	234,0	246,0	261,0	-	-
System side heat exchanger															
Type	° ,A,E,L,N,U	Plates													
Number	°	no.	1	1	1	1	1	1	1	1	1	1	1	1	
	A,L	no.	1	1	1	1	1	1	1	2	2	2	2	2	
	E,U	no.	1	1	1	1	2	2	2	2	2	2	2	-	
	N	no.	1	2	2	2	2	2	2	2	-	-	-	-	
Hydraulic connections															
Connections (in/out)	° ,A,E,L,N,U	Type	Grooved joints												
Diametre (in/out)	°	Ø	6"	6"	8"	8"	8"	8"	8"	10"	10"	10"	10"	10"	
	A,L	Ø	8"	8"	8"	10"	10"	10"	10"	8"-6"	8"-6"	8"-6"	8"-6"	10"-6"	
	E,U	Ø	8"	8"	10"	10"	10"	10"	10"	8"-6"	8"-6"	8"-6"	10"-6"	-	
	N	Ø	8"	6"-6"	6"-6"	6"-6"	6"-6"	6"-6"	6"-6"	8"-6"	-	-	-	-	
Sound data calculated in cooling mode (1)															
Sound power	°	dB(A)	100,8	101,2	101,3	101,7	101,7	101,8	102,1	102,3	102,4	103,0	103,1	103,2	103,3
	A	dB(A)	100,2	100,4	100,8	101,5	101,7	101,9	102,0	102,0	102,1	102,3	102,4	103,3	104,4
	E	dB(A)	93,5	93,6	93,7	93,8	93,9	94,0	94,2	94,3	94,3	94,4	94,8	-	-
	L	dB(A)	92,5	93,0	93,1	93,2	93,7	93,9	94,0	94,2	94,2	94,3	94,3	94,4	95,0
	N	dB(A)	93,4	94,3	94,4	94,8	95,0	95,2	95,3	95,4	-	-	-	-	-
	U	dB(A)	100,7	101,0	101,3	101,6	102,0	102,1	102,2	102,2	102,3	102,4	102,4	-	-
Sound pressure level (10 m)	°	dB(A)	68,2	68,4	68,5	68,8	68,8	68,9	69,1	69,3	69,4	69,9	69,9	70,0	70,1
	A	dB(A)	67,3	67,4	67,8	68,5	68,6	68,7	68,8	68,6	68,7	68,7	68,8	69,6	70,5
	E	dB(A)	60,4	60,5	60,5	60,6	60,5	60,5	60,6	60,7	60,6	60,7	61,0	-	-
	L	dB(A)	59,6	60,0	60,1	60,2	60,6	60,7	60,8	60,8	60,8	60,7	60,7	60,7	61,1
	N	dB(A)	60,2	60,8	60,8	61,1	61,2	61,4	61,5	61,5	-	-	-	-	-
	U	dB(A)	67,6	67,9	68,1	68,4	68,6	68,6	68,6	68,6	68,6	68,7	68,6	-	-

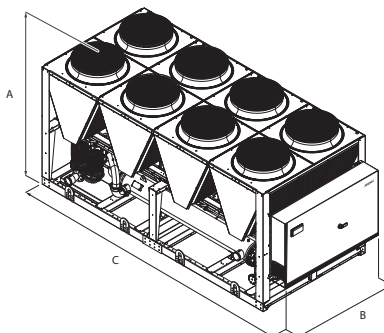
(1) Sound power calculated on the basis of measurements made in accordance with UNI EN ISO 9614-2, as required for Eurovent certification. Sound pressure (cold functioning) measured in free field, 10m away from the unit external surface (in compliance with UNI EN ISO 3744).

FANS DATA

Size		1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Fan															
Type	° ,A,E,L,N,U	Axial													
Fan motor	° ,A,E,L,N,U	On-Off													
Number	° ,A,L	no.	8	8	8	8	10	10	10	12	12	12	14	14	16
	E,U	no.	8	8	10	10	10	12	12	14	14	14	16	16	18
	N	no.	10	10	12	12	12	14	14	16	16	16	18	20	22
Air flow rate	°	m³/h	96000	96000	96000	128000	128000	128000	128000	144000	144000	180000	180000	180000	216000
	A	m³/h	128000	128000	128000	128000	160000	160000	160000	192000	192000	192000	224000	224000	256000
	E	m³/h	92000	92000	115000	115000	115000	138000	138000	161000	161000	161000	161000	184000	184000
	L	m³/h	92000	92000	92000	92000	115000	115000	115000	138000	138000	138000	161000	161000	184000
	N	m³/h	115000	115000	138000	138000	138000	161000	161000	184000	184000	184000	207000	230000	253000
	U	m³/h	128000	128000	160000	160000	160000	192000	192000	224000	224000	224000	256000	256000	288000

Size			4202	4502	4802	5202	5602	6002	6402	6503	6703	6903	7203	8403	9603
Fan															
Type	°A,E,L,N,U	type											Axial		
Fan motor	°A,E,L,N,U	type											On-Off		
Number	°A,L	no.	16	18	18	18	20	22	22	24	24	28	28	30	34
	E,U	no.	20	20	22	22	24	26	28	28	30	30	32	-	-
	N	no.	22	26	28	30	32	32	32	34	-	-	-	-	-
Air flow rate	°	m ³ /h	216000	252000	252000	288000	288000	288000	324000	324000	324000	360000	396000	396000	396000
	A	m ³ /h	256000	288000	288000	324000	360000	396000	396000	384000	384000	448000	448000	480000	612000
	E	m ³ /h	230000	230000	253000	253000	276000	299000	322000	322000	345000	345000	368000	-	-
	L	m ³ /h	184000	207000	207000	234000	260000	286000	286000	276000	276000	322000	322000	345000	442000
	N	m ³ /h	253000	299000	322000	345000	368000	368000	368000	391000	-	-	-	-	-
	U	m ³ /h	320000	320000	352000	352000	384000	416000	448000	448000	480000	480000	512000	-	-

DIMENSIONS



Dimensions and weights °

Size			1402	1602	1802	2002	2202	2352	2502	2652	2802	3002	3202	3402	3602	3902
Dimensions and weights																
A	°A,E,L,N,U	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
B	°A,E,L,N,U	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
	°	mm	3970	3970	3970	5160	5160	5160	5160	5160	5160	6350	6350	6350	6350	7540
	A,L	mm	5160	5160	5160	5160	6350	6350	6350	7540	7540	7540	7540	8730	8730	9920
C	E,U	mm	5160	5160	6350	6350	6350	7540	7540	8730	8730	8730	8730	9920	9920	11110
	N	mm	6350	6350	7540	7540	7540	8730	8730	9920	9920	9920	9920	11110	12300	13490
	°	kg	4100	4143	4275	5130	5508	5521	5545	5745	5871	6407	6464	6905	7406	8851
Weight empty	A,L	kg	4766	4798	4972	5324	6112	6129	6475	7879	8131	8185	8256	9602	10084	10599
	E,U	kg	4972	5013	5468	6261	6622	8038	8062	8509	8602	8674	8746	10158	10626	11400
	N	kg	5399	5440	6869	7662	8023	8454	8478	8968	9061	9133	9205	10852	11747	12370
Dimensions and weights																
A	°A,L	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450
	E,U	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	-	-
	N	mm	2450	2450	2450	2450	2450	2450	2450	2450	2450	-	-	-	-	-
B	°A,L	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200
	E,U	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	2200	-	-
	N	mm	2200	2200	2200	2200	2200	2200	2200	2200	2200	-	-	-	-	-
C	°	mm	7540	8730	8730	9920	9920	9920	11110	11110	11110	11110	12300	13490	13490	13490
	A,L	mm	9920	11110	11110	11110	12300	13490	13490	15080	15080	17460	17460	18650	21030	-
	E,U	mm	12300	12300	13490	13490	15080	16270	17460	17460	18650	18650	19840	-	-	-
Weight empty	N	mm	13490	16270	17460	18650	19840	19840	19840	21030	-	-	-	-	-	-
	°	kg	8950	9377	9692	10226	10357	10421	11137	12212	12289	15051	15638	16021	16193	-
	A,L	kg	10664	11384	11437	12307	12849	13431	13474	15689	15754	16919	16973	18609	19808	-
Weight empty	E,U	kg	11900	11949	13312	13440	13969	14418	14868	16872	17373	17477	18850	-	-	-
	N	kg	12444	13680	14403	15105	15808	15851	16326	18565	-	-	-	-	-	-

Aermec reserves the right to make any modifications deemed necessary.
All data is subject to change without notice. Aermec does not assume responsibility or liability for errors or omissions.

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