

U N I B L O C K

CUO



Technical Description

The **CU O** series condensing units are characterized by the type of construction:

The main characteristic of the CU O units lies in their having a casing enabling them to be installed on the floor or ceiling or wall by means of brackets to be fixed to the wall.

This characteristic enables these units to be used even outside without any protective covering (using all the devices necessary for good working of the system).

The body of the condensing unit is made from steel sheet painted with epoxide powders.

The compressors are of the airtight and semi-airtight type functioning with R404A refrigerant.

The CU O series units are delivered ready to use, i.e. tested and preloaded with refrigerant.

The **CU O** units, models 201-202 are supplied complete with:

- casing
- compressor
- condenser
- condenser fan
- liquid receiver
- dehydrator filter
- liquid flow sightglass
- shut-off cocks
- Electric box complete with components for compressor and fan control

The CU O units, models 401-451-501-631 are supplied complete with:

- casing
- compressor complete with preheat resistance
- condenser
- condenser fan controlled by pressure switch
- liquid receiver
- dehydrator filter
- liquid flow sightglass
- shut-off cocks
- minimum and maximum pressure switches
- electrical box complete with components for control of compressor and condenser fan and for connection to the power supply line.

Optionals available (CU O 201-202):

- minimum and maximum pressure switches
- condenser fan pressure switch; alternatively electronic speed variator
- compressor preheat resistance
- water cooling
- feed voltage control monitor
- different voltage

Optionals available (CU O 401-451-501-631):

- condenser fan electronic speed variator
- water cooling
- feed voltage control monitor
- different voltage

ADVANTAGES

- Careened units
- Reduced installation costs and times
- High efficiency in compact size



Lettura codice - Code Description - Code Description
Codebeschreibung - Lectura de Codigos

COD. **G** **C** **U** **2** **0** **1** **T** **O** **0** **1** **F**
1 2 3 4 5 6 7

1	Temperatura esercizio Working temperature Température de travail Betriebstemperatur Temperatura trabajos	G = + 5°C - 20°C H = - 15°C - 40°C
2	Serie Ranges Série Baureihe Serie	CU = Unità condensante CU = Condensing unit CU = Unité de condensation CU = Kondensatoreinheit CU = Unidad condensadora
3	Modello / (Potenza) Model/(Capacity) Modèle/(Puissance) Modell/(Leistung) Modelo / (Potencia)	201 ÷ 202 ÷ 401 ÷ 451 ÷ 501 ÷ 631
4	Versione Version Version Ausführung Versión	N = Normale ; T = Potenziato N = Normal ; T = Strengthened N = Normale ; T = Plus puissante N = Normale ; T = Verstärkte N = Normal ; T = Potenciado
5	Tipo di applicazione Type of application Type d'application Ausführungen Tipo de aplicación	O = Orizzontale O = Horizontal O = Horizontal O = Deckeneibau O = Horizontal
6	Numero progressivo di servizio Variation Service number Nombre de service Änderungsnummer Número progresivo de servicio	
7	Tipo refrigerante Refrigerant Réfrigérant Kältemittel Refrigerante	F = R404A

CU
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Esempio: **G CU 201 T 001 F**: si tratta di un' unità condensante con temperatura d'esercizio da +5 a -20 °C, serie **CU**, Modello **401**, Versione **N**, **Orizzontale**, **R404A**.

Example: **G CU 201 T 001 F**: Condensing unit with operating temperature from +5 to -20 °C, **CU-O** range, **401** model, **N** version, **Horizontal**, **R404A**.

Exemple: **G CU 201 T 001 F**: il s'agit d'un unité de condensation avec température d'exercice de +5 a -20 °C, série **CU**, Modèle **401**, Version **N**, **Horizontal**, **R404A**.

Beispiel: **G CU 201 T 001 F**: Es handelt sich um eine Kondensatoreinheit mit einer Betriebstemperatur von +5 bis -20 °C, Serie **CU**, Modell **401**, Deckeneibau **N**, Geräuschpegel, **R404A**.

Ejemplo: **G CU 201 T 001 F**: se trata de Unidad condensadora con temperatura de trabajo de +5 a -20 °C, serie **CU**, Modelo **401**, Versión **N**, **Horizontal**, **R404A**.

Dati tecnici - Technical data - Données techniques
Technische Daten- Datos técnicos

Codice - Code - Code Code - Código		GCU201 NO01F	GCU201 TO01F	GCU202 NO01F	GCU202 TO01F	GCU202 PO01F
Tensione - Voltage - Tension Spannung - Voltaje	Volt-Ph-Hz	230/1~/50	230/1~/50	230/1~/50	400/3N~/50	400/3N~/50
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	kW*	0.6	0.7	0.8	1.6	1.9
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	AMP	3.5	4.2	4.7	3.3	4.3
Refrigerante - Refrigerant - Réfrigérant Kältemittel - Refrigerante		R404A	R404A	R404A	R404A	R404A
Massa unità condensante - Condensing Unit Unité de Condensation - Kondensatoreinheit Unidad Condensadora	kg	39	43	61	62	63.5

Compressore - Compressor - Compresseur - Kompressor - Compresor

Tipo - Type - Type Typ - Tipo		E	E	E	E	E
Pot. nom. - Nominal horsepower - Puissance nominale Nennleistung- Potencia Nominal	kW	0.37	0.5	0.75	1.1	1.5

Condensatore - Condenser - Condenseur - Kondensator - Condensador

Portata d' aria - Air volume - Débit d'air Luftmenge - Capacidad aire	m³/h	750	750	1400	1500	1500
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Raccordi - Pipe fittings - Raccords - Rohrverschraubungen - Racores

Aspirazione - Suction pipe - Tuyau d'aspiration Ansaugrohr - Tubo aspiración	Ø mm	12	12	16	16	16
Liquido - Refrigerant pipe - Tuyau réfrigérant Kältemittelrohr - Tubo líquido	Ø mm	6	6	10	10	10



E = Comp. ermetico - Hermetic comp. - Comp. hermétique - Hermetischer Komp. - Comp. hermético
* = In condizioni di marcia - When normally running - En marche - Bei Betrieb - En funcionamiento

Text = Temperatura esterna - Outside temperature - Température extérieure - Umgebungstemperatur - Temperatura externa
TeV = Temperatura Evaporazione - Temperatura Evaporation - Temperatura Evaporation - Temperatura Verdampfung - Temperatura Evaporación
P = Potenza frigorifera - Refr. capacity - Puissance frig. - Kälteleistung - Potencia frigorífica

Potenza frigorifera - Refrigerating duty - Puissance frigorifique
Kälteleistung- Potencia frigorifica

"G"
201-202

GCU201NO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	2098	1805
	25	1942	1671
	30	1788	1538
	35	1637	1408
	40	1491	1283
0	45	1349	1161
	20	1804	1552
	25	1674	1441
	30	1544	1328
	35	1415	1218
-5	40	1289	1109
	45	1165	1002
	20	1551	1334
	25	1441	1240
	30	1329	1144
-10	35	1217	1048
	40	1107	953
	45	998	858
	20	1339	1152
	25	1244	1071
-15	30	1146	986
	35	1049	902
	40	953	820
	45	856	737
	-20	20	1164
25		1076	926
30		986	848
35		899	773
40		817	703
-20	45	735	632
	20	1002	862
	25	911	784
	30	821	706
	35	740	637
-20	40	672	579
	45	611	526

GCU201TO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	2514	2163
	25	2364	2034
	30	2213	1904
	35	2063	1775
	40	1917	1650
0	45	1774	1526
	20	2156	1855
	25	2029	1746
	30	1901	1636
	35	1774	1526
-5	40	1649	1419
	45	1525	1312
	20	1826	1571
	25	1720	1480
	30	1611	1387
-10	35	1503	1293
	40	1397	1202
	45	1291	1111
	20	1541	1326
	25	1452	1249
-15	30	1359	1169
	35	1267	1090
	40	1180	1015
	45	1093	940
	-20	20	1285
25		1203	1035
30		1120	963
35		1041	896
40		972	837
-20	45	906	780
	20	1051	905
	25	968	833
	30	887	763
	35	820	705
-20	40	773	665
	45	737	635

GCU202NO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	3871	3331
	25	3567	3069
	30	3267	2811
	35	2971	2556
	40	2682	2307
0	45	2399	2064
	20	3343	2877
	25	3076	2645
	30	2811	2419
	35	2551	2195
-5	40	2297	1976
	45	2049	1763
	20	2875	2474
	25	2634	2266
	30	2396	2061
-10	35	2162	1861
	40	1938	1667
	45	1720	1480
	20	2463	2119
	25	2242	1928
-15	30	2025	1743
	35	1819	1565
	40	1623	1397
	45	1437	1237
	-20	20	2093
25		1883	1620
30		1681	1446
35		1495	1286
40		1330	1144
-20	45	1181	1017
	20	1725	1484
	25	1513	1301
	30	1315	1131
	35	1145	985
-20	40	1012	871
	45	911	784

GCU202TO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	6024	5183
	25	5500	4733
	30	4993	4296
	35	4509	3880
	40	4052	3486
0	45	3624	3118
	20	5237	4506
	25	4779	4112
	30	4329	3725
	35	3897	3353
-5	40	3489	3002
	45	3106	2672
	20	4436	3817
	25	4043	3478
	30	3650	3140
-10	35	3271	2814
	40	2911	2505
	45	2574	2215
	20	3657	3147
	25	3322	2859
-15	30	2983	2567
	35	2690	2315
	40	2387	2054
	45	2101	1808
	-20	20	2965
25		2688	2313
30		2405	2069
35		2132	1834
40		1876	1614
-20	45	1634	1406
	20	2331	2006
	25	2093	1801
	30	1851	1593
	35	1625	1398
-20	40	1417	1219
	45	1223	1052

GCU202PO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	6664	5734
	25	6118	5264
	30	5588	4806
	35	5069	4362
	40	4571	3933
0	45	4096	3524
	20	5943	5114
	25	5451	4690
	30	4969	4276
	35	4502	3874
-5	40	4050	3484
	45	3615	3111
	20	5201	4475
	25	4761	4096
	30	4330	3725
-10	35	3911	3365
	40	3505	3015
	45	3114	2679
	20	4454	3833
	25	4063	3496
-15	30	3681	3167
	35	3310	2848
	40	2950	2539
	45	2604	2241
	-20	20	3721
25		3377	2905
30		3044	2618
35		2718	2339
40		2444	2103
-20	45	2151	1851
	20	3048	2622
	25	2757	2372
	30	2476	2130
	35	2206	1898
-20	40	1946	1674
	45	1696	1459

Dati tecnici - Technical data - Données techniques
Technische Daten- Datos técnicos

Codice - Code - Code Code - Código		GCU401 NO01F	GCU401 TO01F	GCU451 NO01F		
Tensione - Voltage - Tension Spannung - Voltaje	Volt-Ph-Hz	400/3N~/50	400/3N~/50	400/3N~/50		
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	kW*	2.4	2.9	3.7		
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	AMP	5	6	8.3		
Refrigerante - Refrigerant - Réfrigérant Kältemittel - Refrigerante		R404A	R404A	R404A		
Massa unità condensante - Condensing Unit Unité de Condensation - Kondensatoreinheit Unidad Condensadora	kg	102	104	158		

Compressore - Compressor - Compresseur - Kompressor - Compresor

Tipo - Type - Type Typ - Tipo		E	E	E		
Pot. nom. - Nominal horsepower - Puissance nominale Nennleistung- Potencia Nominal	kW	1.5	2.2	2.2		

Condensatore - Condenser - Condenseur - Kondensator - Condensador

Portata d' aria - Air volume - Débit d'air Luftmenge - Capacidad aire	m³/h	3100	3100	4100		

Raccordi - Pipe fittings - Raccords - Rohrverschraubungen - Racores

Aspirazione - Suction pipe - Tuyau d'aspiration Ansaugrohr - Tubo aspiración	Ø mm	22	22	28		
Liquido - Refrigerant pipe - Tuyau réfrigérant Kältemittelrohr - Tubo líquido	Ø mm	10	10	12		



E = Comp. ermetico - Hermetic comp. - Comp. hermétique - Hermetischer Komp. - Comp. hermético
* = In condizioni di marcia - When normally running - En marche - Bei Betrieb - En funcionamiento

Text = Temperatura esterna - Outside temperature - Température extérieure - Umgebungstemperatur - Temperatura externa
TeV = Temperatura Evaporazione - Temperatura Evaporation - Temperatura Evaporation - Temperatura Verdampfung - Temperatura Evaporación
P = Potenza frigorifera - Refr. capacity - Puissance frig. - Kälteleistung - Potencia frigorífica

GCU401NO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	10357	8911
	25	9657	8309
	30	8888	7648
	35	8102	6971
	40	7327	6305
0	45	6580	5661
	20	8812	7582
	25	8220	7073
	30	7555	6501
	35	6870	5911
-5	40	6193	5328
	45	5539	4766
	20	7399	6366
	25	6886	5925
	30	6306	5426
-10	35	5710	4913
	40	5194	4469
	45	4636	3989
	20	6173	5312
	25	5732	4932
-15	30	5236	4505
	35	4729	4069
	40	4232	3641
	45	3754	3230
	-20	20	5059
25		4654	4005
30		4216	3627
35		3778	3251
40		3359	2890
	45	2957	2544
	20	4061	3494
	25	3684	3170
	30	3298	2838
	35	2928	2519
	40	2581	2221
	45	2253	1938

GCU401TO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	12111	10420
	25	11219	9653
	30	10320	8879
	35	9427	8111
	40	8549	7356
0	45	7693	6619
	20	10458	8999
	25	9665	8316
	30	8862	7625
	35	8066	6940
-5	40	7283	6266
	45	6519	5609
	20	8900	7657
	25	8190	7047
	30	7476	6432
-10	35	6769	5824
	40	6078	5229
	45	5403	4649
	20	7445	6406
	25	6809	5859
-15	30	6175	5313
	35	5622	4837
	40	5032	4329
	45	4458	3836
	-20	20	6160
25		5604	4822
30		5059	4353
35		4532	3900
40		4026	3464
	45	3537	3044
	20	4943	4253
	25	4449	3828
	30	3983	3427
	35	3538	3044
	40	3116	2681
	45	2712	2334

GCU451NO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	15762	13562
	25	14873	12797
	30	13862	11927
	35	12780	10996
	40	11666	10037
0	45	10551	9078
	20	13556	11664
	25	12777	10994
	30	11884	10225
	35	10925	9400
-5	40	9938	8551
	45	8955	7705
	20	11511	9904
	25	10817	9307
	30	10021	8622
-10	35	9169	7889
	40	8297	7139
	45	7437	6399
	20	9633	8289
	25	9002	7746
-15	30	8286	7129
	35	7525	6475
	40	6840	5885
	45	6104	5252
	-20	20	7975
25		7409	6375
30		6775	5829
35		6110	5258
40		5448	4687
	45	4813	4141
	20	6451	5551
	25	5924	5097
	30	5348	4602
	35	4762	4098
	40	4184	3600
	45	3646	3137

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Dati tecnici - Technical data - Données techniques
Technische Daten- Datos técnicos

Codice - Code - Code Code - Código		GCU501 TO01F	GCU631 NO01F	GCU631 TO01F		
Tensione - Voltage - Tension Spannung - Voltaje	Volt-Ph-Hz	400/3N~/50	400/3N~/50	400/3N~/50		
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	kW*	4.9	5.6	6.7		
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	AMP	9.5	12.2	14.2		
Refrigerante - Refrigerant - Réfrigérant Kältemittel - Refrigerante		R404A	R404A	R404A		
Massa unità condensante - Condensing Unit Unité de Condensation - Kondensatoreinheit Unidad Condensadora	kg	158	195	220		

Compressore - Compressor - Compresseur - Kompressor - Compresor

Tipo - Type - Type Typ - Tipo		E	E	E		
Pot. nom. - Nominal horsepower - Puissance nominale Nennleistung- Potencia Nominal	kW	3	3.7	5.5		

Condensatore - Condenser - Condenseur - Kondensator - Condensador

Portata d' aria - Air volume - Débit d'air Luftmenge - Capacidad aire	m³/h	7000	8100	8100		
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Raccordi - Pipe fittings - Raccords - Rohrverschraubungen - Racores

Aspirazione - Suction pipe - Tuyau d'aspiration Ansaugrohr - Tubo aspiración	Ø mm	28	28	28		
Liquido - Refrigerant pipe - Tuyau réfrigérant Kältemittelrohr - Tubo líquido	Ø mm	12	12	12		



E = Comp. ermetico - Hermetic comp. - Comp. hermétique - Hermetischer Komp. - Comp. hermético
***** = In condizioni di marcia - When normally running - En marche - Bei Betrieb - En funcionamiento

Text = Temperatura esterna - Outside temperature - Température extérieure - Umgebungstemperatur - Temperatura externa
TeV = Temperatura Evaporazione - Temperatura Evaporation - Temperatura Evaporation - Temperatura Verdampfung - Temperatura Evaporación
P = Potenza frigorifera - Refr. capacity - Puissance frig. - Kälteleistung - Potencia frigorífica

GCU501TO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	19814	17049
	25	18544	15956
	30	17318	14901
	35	16038	13799
	40	14669	12622
0	45	13228	11382
	20	17084	14699
	25	15958	13731
	30	14870	12794
	35	13730	11813
-5	40	12510	10764
	45	11232	9665
	20	14522	12495
	25	13564	11671
	30	12544	10793
-10	35	11541	9930
	40	10467	9006
	45	9521	8192
	20	12075	10390
	25	11275	9702
-15	30	10487	9024
	35	9643	8297
	40	8733	7514
	45	7788	6701
	-20	20	9764
25		9127	7853
30		8472	7290
35		7745	6664
40		6953	5982
-20	45	6142	5285
	20	7663	6594
	25	7183	6181
	30	6643	5716
	35	6011	5172
-20	40	5313	4572
	45	4609	3966

GCU631NO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	25295	21764
	25	23885	20551
	30	22214	19113
	35	20412	17563
	40	18565	15973
0	45	16737	14400
	20	21759	18722
	25	20544	17676
	30	19080	16416
	35	17491	15050
-5	40	15864	13650
	45	14260	12270
	20	18502	15920
	25	17425	14993
	30	16125	13875
-10	35	14719	12665
	40	13287	11433
	45	12074	10389
	20	15624	13443
	25	14680	12631
-15	30	13548	11657
	35	12327	10607
	40	11091	9543
	45	9892	8512
	-20	20	12975
25		12095	10407
30		11064	9520
35		9971	8579
40		8882	7642
-20	45	7851	6755
	20	10595	9116
	25	9754	8392
	30	8804	7576
	35	7824	6732
-20	40	6870	5912
	45	5988	5152

GCU631TO01F

Tev °C	Text °C	P Watt	P Kcal/h
5	20	29428	25320
	25	27368	23548
	30	25305	21773
	35	23222	19981
	40	21120	18172
0	45	19015	16361
	20	25623	22046
	25	23759	20443
	30	21901	18844
	35	20029	17234
-5	40	18141	15609
	45	16251	13983
	20	22038	18962
	25	20367	17524
	30	18706	16095
-10	35	17036	14658
	40	15355	13212
	45	13675	11766
	20	18679	16072
	25	17197	14797
-15	30	15729	13534
	35	14255	12265
	40	12964	11155
	45	11522	9914
	-20	20	15699
25		14431	12417
30		13178	11339
35		11921	10257
40		10661	9173
-20	45	9409	8096
	20	12885	11086
	25	11799	10152
	30	10722	9226
	35	9640	8295
-20	40	8555	7361
	45	7489	6444

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Dati tecnici - Technical data - Données techniques
Technische Daten- Datos técnicos

Codice - Code - Code Code - Código		HCU201 NO01F	HCU201 TO01F	HCU202 NO01F	HCU202 TO01F
Tensione - Voltage - Tension Spannung - Voltaje	Volt-Ph-Hz	230/1~/50	230/1~/50	400/3N~/50	400/3N~/50
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	kW*	0.5	0.6	1.2	1.5
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	AMP	3.2	3.7	4.1	3.3
Refrigerante - Refrigerant - Réfrigérant Kältemittel - Refrigerante		R404A	R404A	R404A	R404A
Massa unità condensante - Condensing Unit Unité de Condensation - Kondensatoreinheit Unidad Condensadora	kg	41	44	66	67

Compressore - Compressor - Compresseur - Kompressor - Compresor

Tipo - Type - Type Typ - Tipo		E	E	E	E
Pot. nom. - Nominal horsepower - Puissance nominale Nennleistung- Potencia Nominal	kW	0.75	1.1	1.5	2.2

Condensatore - Condenser - Condenseur - Kondensator - Condensador

Portata d' aria - Air volume - Débit d'air Luftmenge - Capacidad aire	m³/h	750	750	1400	1500
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Raccordi - Pipe fittings - Raccords - Rohrverschraubungen - Racores

Aspirazione - Suction pipe - Tuyau d'aspiration Ansaugrohr - Tubo aspiración	Ø mm	12	12	16	16
Liquido - Refrigerant pipe - Tuyau réfrigérant Kältemittelrohr - Tubo líquido	Ø mm	8	8	10	10



E = Comp. ermetico - Hermetic comp. - Comp. hermétique - Hermetischer Komp. - Comp. hermético
* = In condizioni di marcia - When normally running - En marche - Bei Betrieb - En funcionamiento

Text = Temperatura esterna - Outside temperature - Température extérieure - Umgebungstemperatur - Temperatura externa
TeV = Temperatura Evaporazione - Temperatura Evaporation - Temperatura Evaporation - Temperatura Verdampfung - Temperatura Evaporación
P = Potenza frigorifera - Refr. capacity - Puissance frig. - Kälteleistung - Potencia frigorífica

Potenza frigorifera - Refrigerating duty - Puissance frigorifique
Kälteleistung- Potencia frigorifica

"H"
201-202

CU
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HCJU201NO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	1754	1509
	25	1651	1420
	30	1559	1341
	35	1469	1264
	40	1377	1185
-20	45	1281	1102
	20	1457	1254
	25	1368	1177
	30	1285	1106
	35	1205	1037
-25	40	1125	968
	45	1042	897
	20	1163	1001
	25	1081	930
	30	1005	865
-30	35	934	803
	40	863	742
	45	791	681
	20	873	751
	25	798	687
-35	30	731	629
	35	668	575
	40	607	522
	45	545	469
	20	595	512
-40	25	531	457
	30	474	408
	35	422	363
	40	370	319
	45	319	274
-40	20	343	296
	25	295	254
	30	255	219
	35	218	187
	40	182	157
45	143	123	

HCJU201TO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	2238	1926
	25	2112	1818
	30	1990	1713
	35	1869	1608
	40	1742	1499
-20	45	1607	1383
	20	1888	1625
	25	1773	1526
	30	1663	1431
	35	1555	1338
-25	40	1444	1243
	45	1325	1140
	20	1561	1343
	25	1456	1253
	30	1357	1167
-30	35	1261	1085
	40	1165	1002
	45	1063	914
	20	1242	1069
	25	1143	983
-35	30	1051	904
	35	965	831
	40	883	760
	45	797	686
	20	930	800
-40	25	833	716
	30	746	642
	35	671	577
	40	604	520
	45	540	464
-40	20	609	524
	25	511	440
	30	428	368
	35	364	313
	40	318	274
45	287	247	

HCJU202NO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	4309	3708
	25	4061	3495
	30	3816	3283
	35	3567	3069
	40	3308	2846
-20	45	3031	2608
	20	3528	3036
	25	3316	2853
	30	3108	2674
	35	2901	2496
-25	40	2687	2312
	45	2458	2115
	20	2829	2434
	25	2645	2276
	30	2468	2123
-30	35	2295	1975
	40	2119	1824
	45	1932	1663
	20	2185	1880
	25	2020	1738
-35	30	1865	1604
	35	1718	1478
	40	1573	1353
	45	1420	1221
	20	1597	1374
-40	25	1445	1243
	30	1307	1124
	35	1183	1018
	40	1070	920
	45	953	820
-40	20	1050	903
	25	904	777
	30	779	670
	35	679	584
	40	603	518
45	535	460	

HCJU202TO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	5034	4331
	25	4731	4071
	30	4420	3803
	35	4094	3523
	40	3752	3228
-20	45	3391	2918
	20	4287	3689
	25	4021	3460
	30	3753	3229
	35	3480	2994
-25	40	3199	2752
	45	2909	2503
	20	3527	3034
	25	3286	2827
	30	3049	2623
-30	35	2811	2419
	40	2570	2211
	45	2324	2000
	20	2801	2410
	25	2584	2224
-35	30	2375	2043
	35	2168	1866
	40	1962	1688
	45	1754	1509
	20	2090	1798
-40	25	1892	1628
	30	1704	1466
	35	1523	1311
	40	1346	1158
	45	1171	1007
-40	20	1417	1219
	25	1244	1070
	30	1085	934
	35	938	807
	40	799	687
45	665	572	

Dati tecnici - Technical data - Données techniques
Technische Daten- Datos técnicos

Codice - Code - Code Code - Código		HCU401 NO01F	HCU451 TO01F			
Tensione - Voltage - Tension Spannung - Voltaje	Volt-Ph-Hz	400/3N~/50	400/3N~/50			
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	kW*	3.9	5.2			
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	AMP	7.9	11.1			
Refrigerante - Refrigerant - Réfrigérant Kältemittel - Refrigerante		R404A	R404A			
Massa unità condensante - Condensing Unit Unité de Condensation - Kondensatoreinheit Unidad Condensadora	kg	120	187			

Compressore - Compressor - Compresseur - Kompressor - Compresor

Tipo - Type - Type Typ - Tipo		E	E			
Pot. nom. - Nominal horsepower - Puissance nominale Nennleistung- Potencia Nominal	kW	3.7	3.7			

Condensatore - Condenser - Condenseur - Kondensator - Condensador

Portata d' aria - Air volume - Débit d'air Luftmenge - Capacidad aire	m³/h	3100	4100			
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Raccordi - Pipe fittings - Raccords - Rohrverschraubungen - Racores

Aspirazione - Suction pipe - Tuyau d'aspiration Ansaugrohr - Tubo aspiración	Ø mm	28	35			
Liquido - Refrigerant pipe - Tuyau réfrigérant Kältemittelrohr - Tubo líquido	Ø mm	10	12			



E = Comp. ermetico - Hermetic comp. - Comp. hermétique - Hermetischer Komp. - Comp. hermético
* = In condizioni di marcia - When normally running - En marche - Bei Betrieb - En funcionamiento

Text = Temperatura esterna - Outside temperature - Température extérieure - Umgebungstemperatur - Temperatura externa
TeV = Temperatura Evaporazione - Temperatura Evaporation - Temperatura Evaporation - Temperatura Verdampfung - Temperatura Evaporación
P = Potenza frigorifera - Refr. capacity - Puissance frig. - Kälteleistung - Potencia frigorífica

HCJ401NO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	10197	8774
	25	9273	7978
	30	8376	7207
	35	7528	6477
	40	6746	5805
-20	45	6048	5204
	20	8470	7288
	25	7634	6569
	30	6825	5872
	35	6065	5219
-25	40	5373	4623
	45	4768	4102
	20	6895	5932
	25	6166	5305
	30	5463	4701
-30	35	4806	4135
	40	4209	3621
	45	3685	3171
	20	5489	4723
	25	4845	4169
-35	30	4234	3643
	35	3672	3160
	40	3172	2729
	45	2732	2351
	-40	20	4324
25		3797	3267
30		3317	2854
35		2892	2488
40		2513	2163
-45	45	2164	1862
	20	3160	2716
	25	2750	2364
	30	2400	2064
	35	2111	1815
40	1855	1594	
45	1597	1374	

HCJ451TO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	13945	11999
	25	12782	10998
	30	11616	9994
	35	10451	8992
	40	9300	8002
-20	45	8184	7042
	20	11593	9975
	25	10582	9105
	30	9566	8231
	35	8551	7357
-25	40	7551	6497
	45	6590	5670
	20	9417	8103
	25	8613	7411
	30	7764	6680
-30	35	6910	5945
	40	6066	5219
	45	5258	4524
	20	7560	6504
	25	6863	5905
-35	30	6146	5288
	35	5413	4657
	40	4682	4028
	45	3980	3424
	-40	20	5980
25		5426	4669
30		4830	4156
35		4197	3611
40		3545	3050
-45	45	2905	2499
	20	4842	4166
	25	4430	3812
	30	3936	3387
	35	3366	2896
40	2740	2358	
45	2090	1798	

Dati tecnici - Technical data - Données techniques
Technische Daten- Datos técnicos

Codice - Code - Code Code - Código		HCU501 NO01F	HCU501 TO01F	HCU631 NO01F	HCU631 TO01F
Tensione - Voltage - Tension Spannung - Voltaje	Volt-Ph-Hz	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	kW*	5.7	7.3	8.5	9.8
Assorb. nominale - Nominal absorption - Absorp. nominale Nennaufnahme - Absorción nominal	AMP	11.1	14.1	17.7	20.2
Refrigerante - Refrigerant - Réfrigérant Kältemittel - Refrigerante		R404A	R404A	R404A	R404A
Massa unità condensante - Condensing Unit Unité de Condensation - Kondensatoreinheit Unidad Condensadora	kg	189	190	273	326

Compressore - Compressor - Compresseur - Kompressor - Compresor

Tipo - Type - Type Typ - Tipo		E	E	S	S
Pot. nom. - Nominal horsepower - Puissance nominale Nennleistung- Potencia Nominal	kW	5.5	7.5	7.5	9.2

Condensatore - Condenser - Condenseur - Kondensator - Condensador

Portata d' aria - Air volume - Débit d'air Luftmenge - Capacidad aire	m³/h	7000	7000	8100	8100
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Raccordi - Pipe fittings - Raccords - Rohrverschraubungen - Racores

Aspirazione - Suction pipe - Tuyau d'aspiration Ansaugrohr - Tubo aspiración	Ø mm	35	35	42	42
Liquido - Refrigerant pipe - Tuyau réfrigérant Kältemittelrohr - Tubo líquido	Ø mm	12	12	12	12



E = Comp. ermetico - Hermetic comp. - Comp. hermétique - Hermetischer Komp. - Comp. hermético
S = Comp.semiermetico - Semihhermetic comp. - Compr. semihémetique - Halbhermetischer Komp. - Comp.Semihermético
***** = In condizioni di marcia - When normally running - En marche - Bei Betrieb - En funcionamiento

Text = Temperatura esterna - Outside temperature - Température extérieure - Umgebungstemperatur - Temperatura externa
TeV = Temperatura Evaporazione - Temperatura Evaporation - Temperatura Evaporation - Temperatura Verdampfung - Temperatura Evaporación
P = Potenza frigorifera - Refr. capacity - Puissance frig. - Kälteleistung - Potencia frigorífica

HCU501NO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	17588	15133
	25	16047	13807
	30	14511	12485
	35	13000	11185
	40	11528	9919
-20	45	10111	8700
	20	14622	12581
	25	13254	11404
	30	12052	10369
	35	10777	9272
-25	40	9542	8211
	45	8359	7193
	20	12005	10329
	25	10840	9327
	30	9708	8353
-30	35	8617	7414
	40	7569	6513
	45	6573	5656
	20	9491	8166
	25	8504	7317
-35	30	7555	6501
	35	6649	5721
	40	5776	4969
	45	4943	4253
	-40	20	7218
25		6430	5532
30		5694	4899
35		4976	4281
40		4248	3655
	45	3516	3026
	20	5363	4614
	25	4871	4191
	30	4390	3777
	35	3834	3298
40	3158	2717	
45	2390	2057	

HCU501TO01F

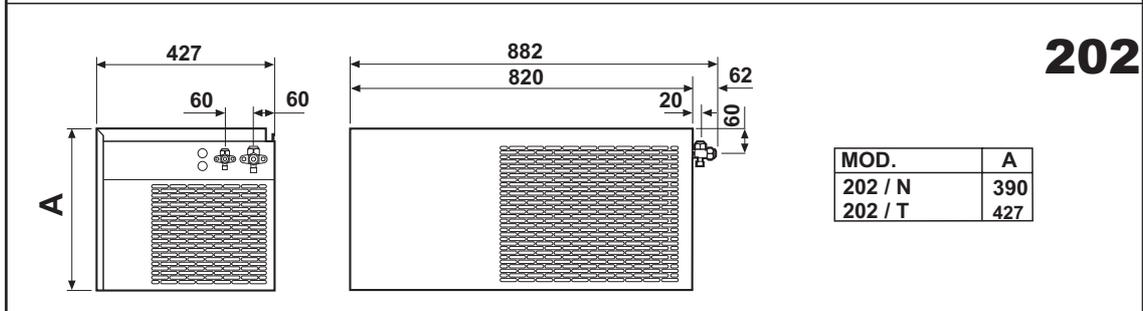
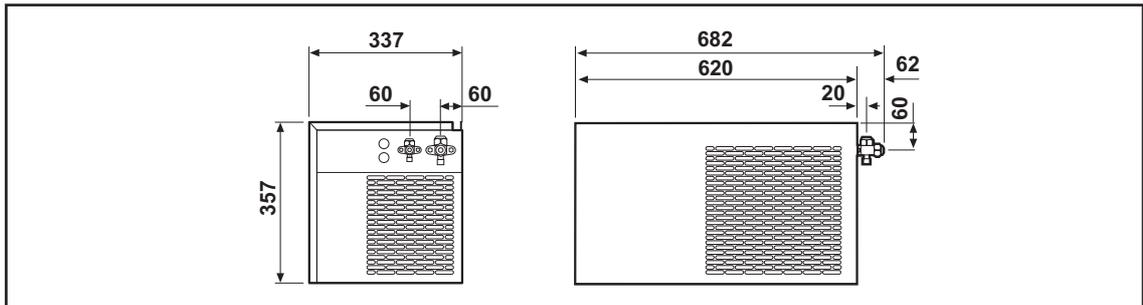
Tev °C	Text °C	P Watt	P Kcal/h
-15	20	20474	17616
	25	18650	16047
	30	16848	14497
	35	15081	12976
	40	13366	11501
-20	45	11725	10089
	20	17171	14774
	25	15572	13399
	30	13998	12044
	35	12458	10719
-25	40	10973	9441
	45	9568	8232
	20	14135	12162
	25	12803	11016
	30	11494	9890
-30	35	10217	8791
	40	8986	7732
	45	7828	6735
	20	11366	9779
	25	10249	8819
-35	30	9152	7875
	35	8078	6951
	40	7041	6059
	45	6076	5228
	-40	20	8931
25		8047	6924
30		7168	6167
35		6286	5409
40		5415	4659
	45	4585	3945
	20	7033	6052
	25	6424	5528
	30	5772	4966
	35	5054	4349
40	4281	3684	
45	3490	3003	

HCU631NO01F

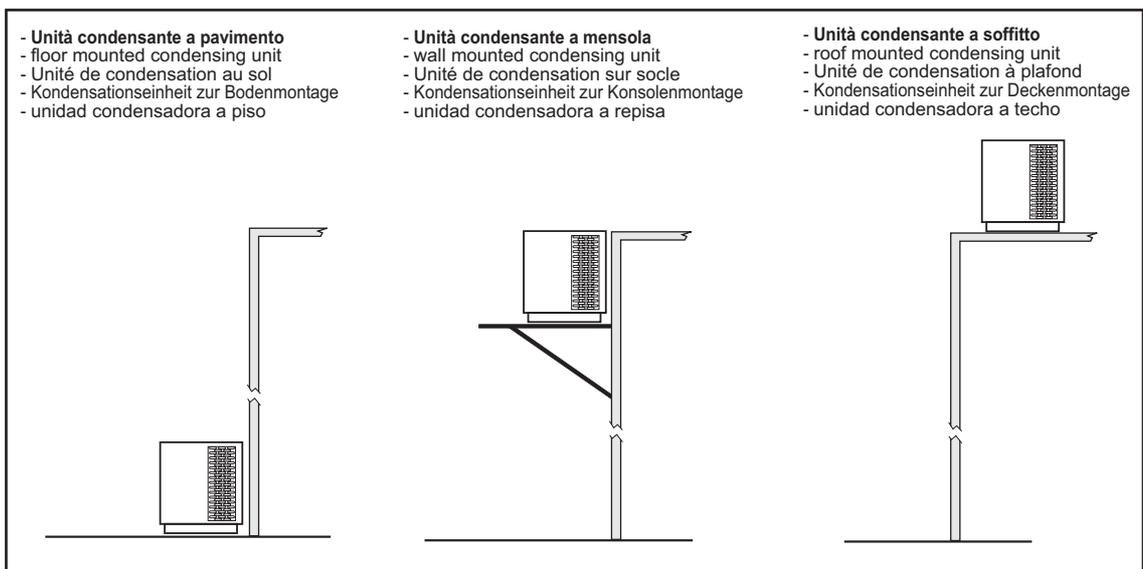
Tev °C	Text °C	P Watt	P Kcal/h
-15	20	24116	20750
	25	22143	19052
	30	20149	17337
	35	18153	15619
	40	16188	13928
-20	45	14288	12294
	20	20391	17545
	25	18735	16120
	30	17049	14669
	35	15356	13213
-25	40	13691	11780
	45	12084	10398
	20	16976	14606
	25	15657	13472
	30	14300	12304
-30	35	12930	11125
	40	11577	9961
	45	10253	8822
	20	13837	11905
	25	12792	11007
-35	30	11698	10065
	35	10589	9111
	40	9486	8162
	45	8361	7194
	-40	20	11091
25		10280	8845
30		9423	8108
35		8564	7369
40		7690	6617
	45	6693	5759
	20	8782	7557
	25	8157	7019
	30	7537	6485
	35	6956	5985
40	6312	5431	
45	5342	4596	

HCU631TO01F

Tev °C	Text °C	P Watt	P Kcal/h
-15	20	26666	22944
	25	24328	20933
	30	21994	18924
	35	19688	16940
	40	17446	15011
-20	45	15299	13163
	20	22864	19673
	25	20846	17936
	30	18819	16192
	35	16815	14468
-25	40	14867	12792
	45	13002	11187
	20	19207	16526
	25	17500	15057
	30	15772	13570
-30	35	14059	12096
	40	12611	10851
	45	11034	9494
	20	15954	13727
	25	14577	12542
-35	30	13169	11331
	35	11768	10125
	40	10387	8937
	45	8992	7737
	-40	20	13007
25		11879	10221
30		10725	9228
35		9582	8245
40		8426	7250
	45	7150	6152
	20	10482	9019
	25	9565	8230
	30	8672	7461
	35	7821	6730
40	6891	5929	
45	5626	4841	

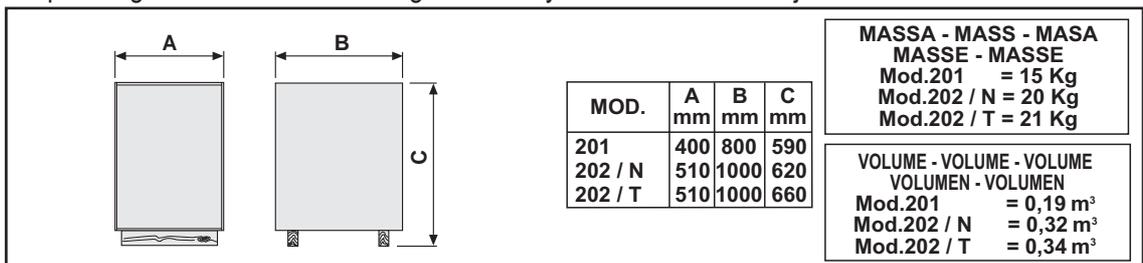


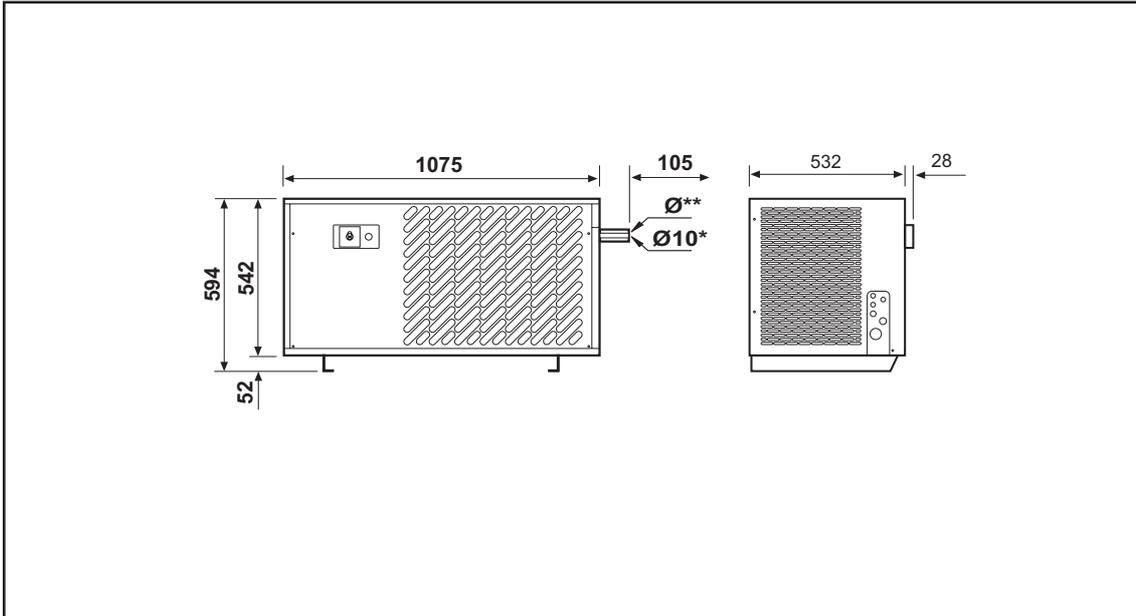
Schema di montaggio - Mounting scheme - Schema de montage
Montageschema - Esquema de montaje



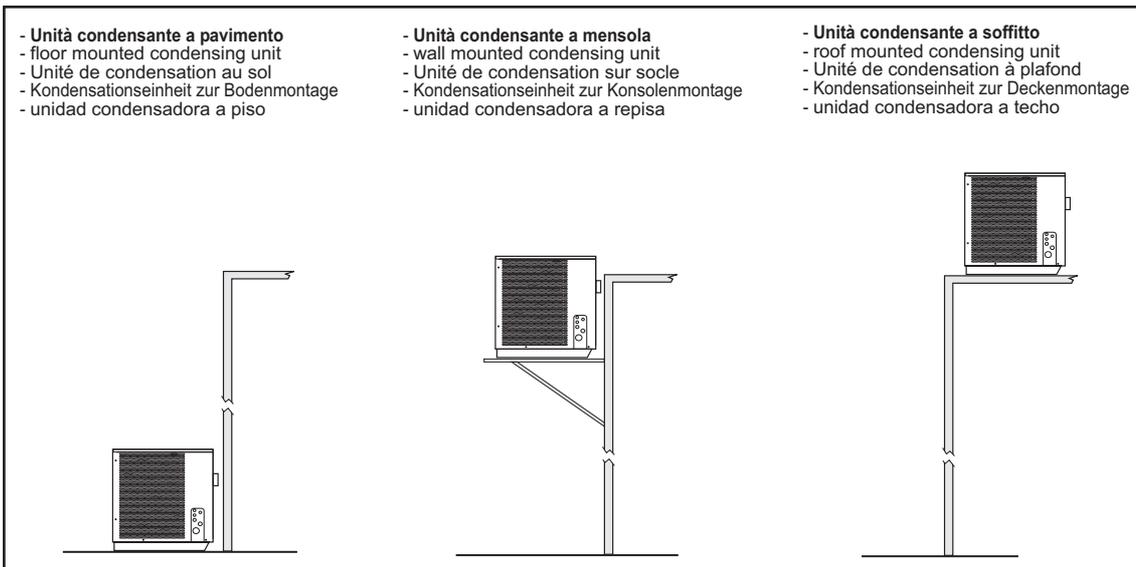
- * Raccomandazioni in sede di installazione e per il controllo fornite sul manuale di installazione
- * To be advised at time of order for factory installation and operating instructions
- * Recommandations au moments d'installations et pour le contrôle fournis sur le manuel d'installation
- * Empfehlungen für die Installationsphase und zur Kontrolle, die im Handbuch zur Installation enthalten sind
- * Por cuanto respecta a recomendaciones de instalación y control ver manual de instalación

Massa e misure imballi - Packing mass and dimensions - Masse et dimensions emballages
Verpackungsmasse und-abmessungen - Masa y medidas del embalaje



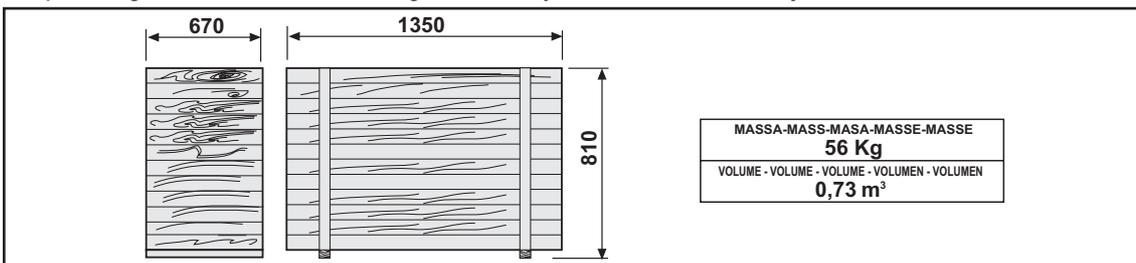


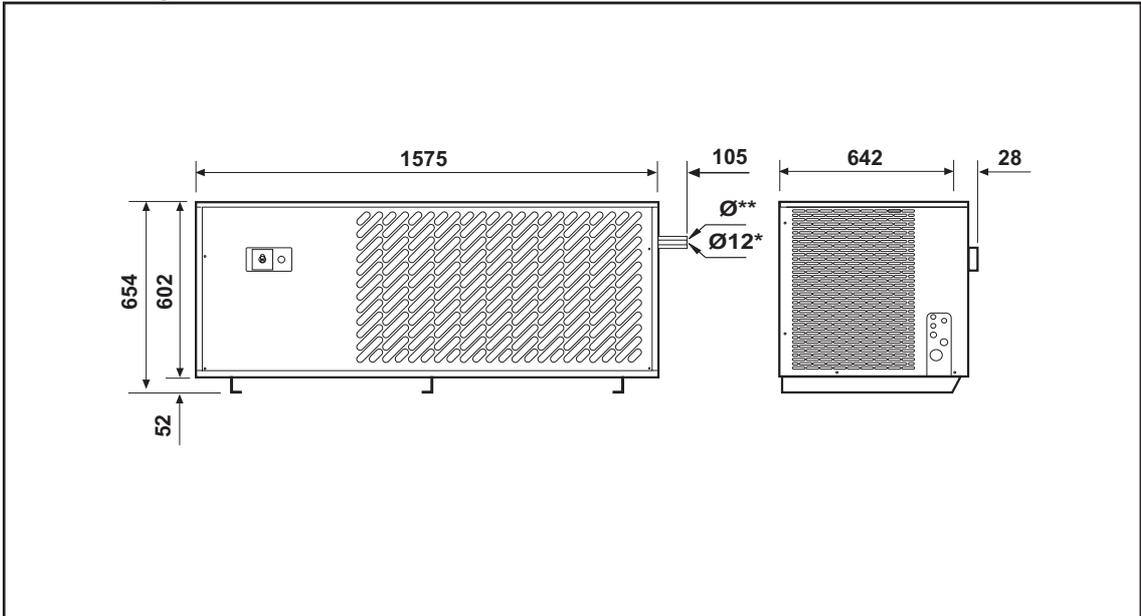
Schema di montaggio - Mounting scheme - Schema de montage
Montageschema - Esquema de montaje



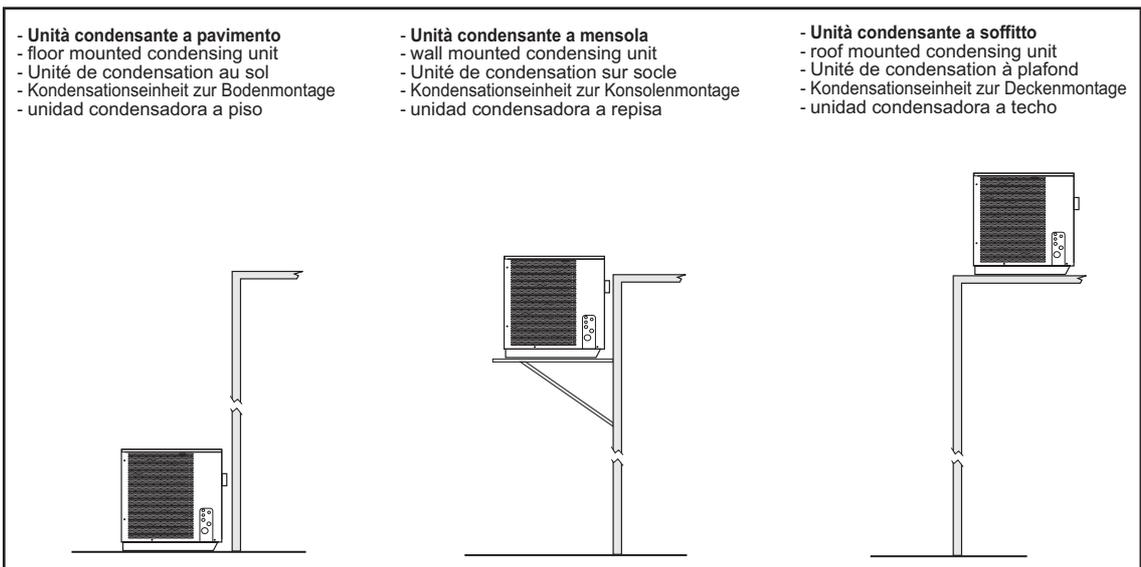
- * Raccomandazioni in sede di installazione e per il controllo fornite sul manuale di installazione
- * To be advised at time of order for factory installation and operating instructions
- * Recommandations au moments d'installations et pour le contrôle fournis sur le manuel d'installation
- * Empfehlungen für die Installationsphase und zur Kontrolle, die im Handbuch zur Installation enthalten sind
- * Por cuanto respecta a recomendaciones de instalación y control ver manual de instalación

Massa e misure imballi - Packing mass and dimensions - Masse et dimensions emballages
Verpackungsmasse und-abmessungen - Masa y medidas del embalaje



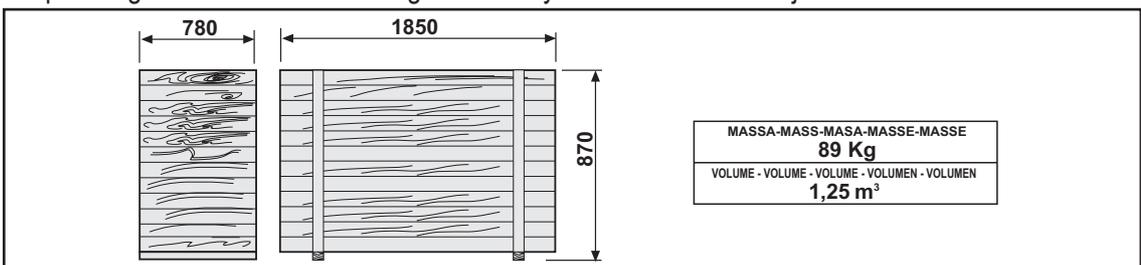


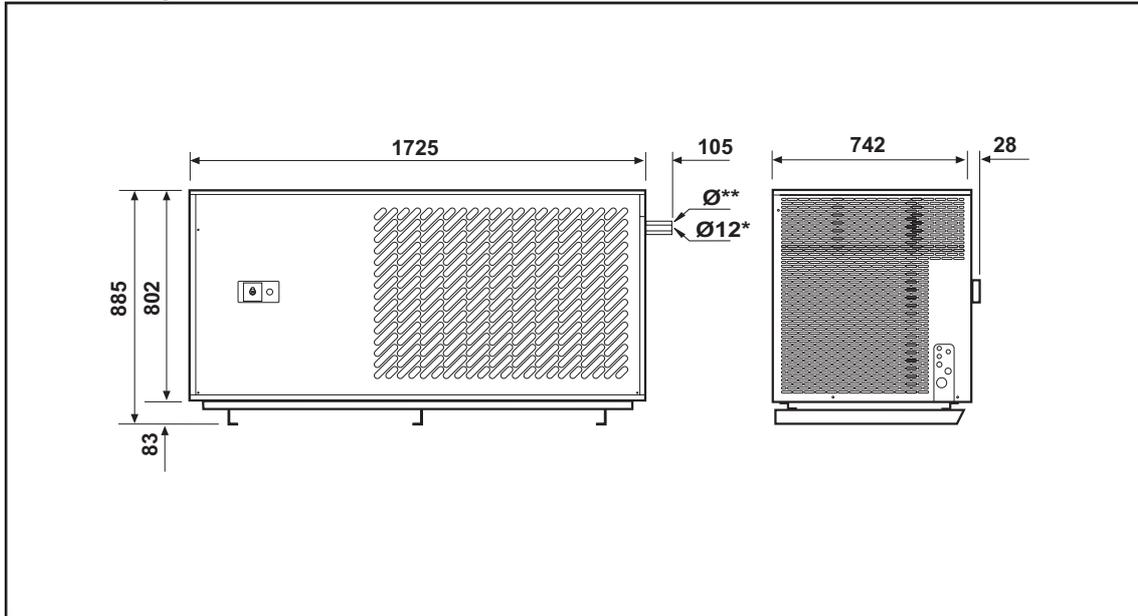
Schema di montaggio - Mounting scheme - Schema de montage
Montageschema - Esquema de montaje



- * Raccomandazioni in sede di installazione e per il controllo fornite sul manuale di installazione
- * To be advised at time of order for factory installation and operating instructions
- * Recommendations au moments d'installations et pour le contrôle fournis sur le manuel d'installation
- * Empfehlungen für die Installationsphase und zur Kontrolle, die im Handbuch zur Installation enthalten sind
- * Por cuanto respecta a recomendaciones de instalación y control ver manual de instalación

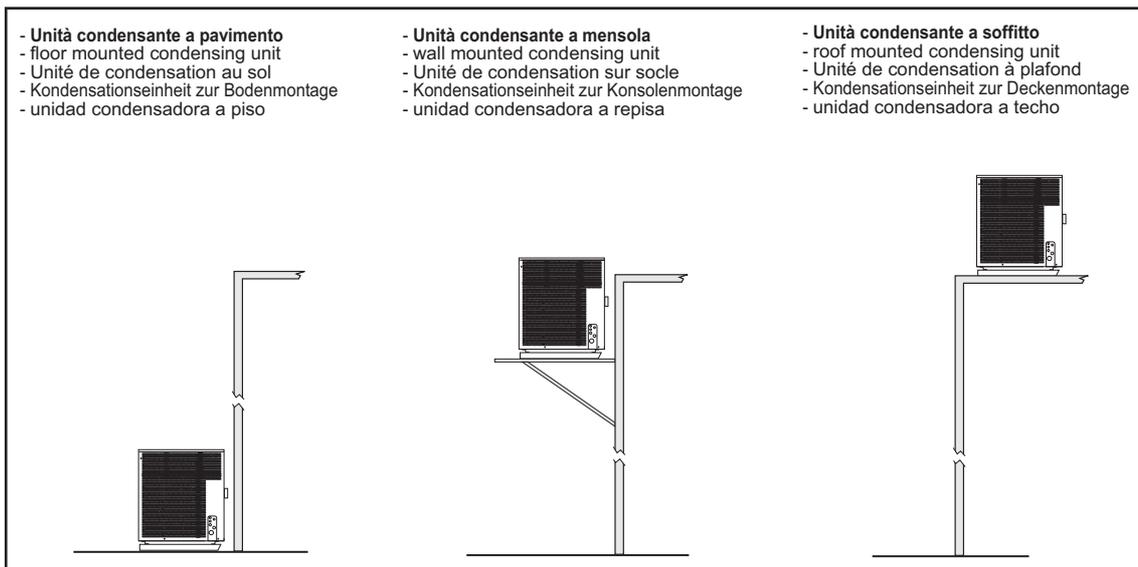
Massa e misure imballi - Packing mass and dimensions - Masse et dimensions emballages
Verpackungsmasse und-abmessungen - Masa y medidas del embalaje





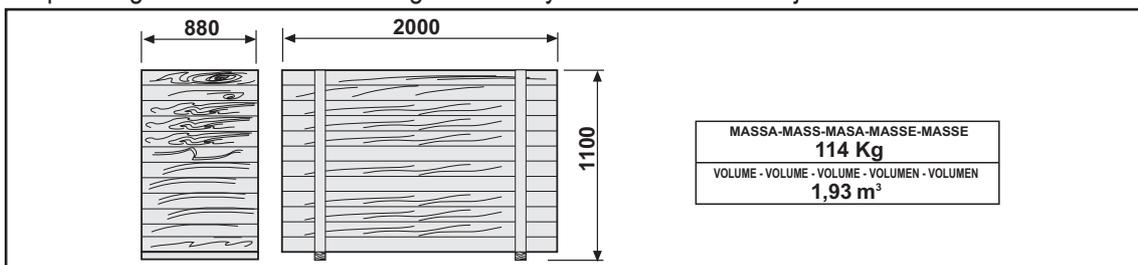
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Schema di montaggio - Mounting scheme - Schema de montage
Montageschema - Esquema de montaje



- * Raccomandazioni in sede di installazione e per il controllo fornite sul manuale di installazione
- * To be advised at time of order for factory installation and operating instructions
- * Recommandations au moments d'installations et pour le contrôle fournis sur le manuel d'installation
- * Empfehlungen für die Installationsphase und zur Kontrolle, die im Handbuch zur Installation enthalten sind
- * Por cuanto respecta a recomendaciones de instalación y control ver manual de instalación

Massa e misure imballi - Packing mass and dimensions - Masse et dimensions emballages
Verpackungsmasse und-abmessungen - Masa y medidas del embalaje



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