

Мультикомпрессор CU

Технические характеристики

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Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: zob@nt-rt.ru || сайт: <https://zanotti.nt-rt.ru/>



Evaporating working temperature from +5°C to -20°C and from -15°C to -40°C

The CU series models are condensing units, suitable for outdoor installations, silenced for residential environments and suitable for commercial and semi-industrial applications.

The series is divided into 2 product lines. One line with working temperatures from +5°C to -20°C and one line with working temperatures from -15°C to -40°C.

The configuration of these units enables a wide choice among many compressors types:

- › Scroll compressors
- › Digital Scroll compressors
- › Bitzer semi-hermetic compressors
- › Dorin semi-hermetic compressors

The capacity range covered and the way the units are designed and built make the CU extremely versatile components of an efficient refrigerating system suitable to meet wide range of Customers' requirements.

All the units are assembled starting from a solid steel sheet body structure, equipped with opening doors for quick and effective access to the internal components during maintenance operations.

The internal configuration of these condensing units allows to reduce the noise level of the system: soundproofed compartments accommodate the compressor that, together with the large surface condensers and low rpm 6-pole axial fans, allow to achieve efficient and silenced performance.

The condensing unit is equipped with filter dryer and sight glass, to guarantee controlled and optimized operation.

Supplied with pressurized nitrogen, the condenser is complete with connection piping with compressor and liquid receiver also supplied.

The liquid receiver is complete with taps and shut-off valve for regulation and control of the inlet and outlet liquid level.

The CU are equipped with speed regulator with pressure control, differential oil pressure switches in the models equipped with a compressor with oil pump and adjustable minimum and maximum pressure switches with automatic reset.

The units are suitable for outdoor installation on the floor, for the small units it is possible to accommodate them on the ceiling or on the shelf according to the structural needs of the user.

The units are equipped with crankcase heater that makes them suitable for outdoor installation and with optimized performance.

The box with electrical terminal block allows easy electrical connection of the unit outside, avoiding problems of adaptation during installation.

The electrical panel is positioned on a hinge and all these features make the CU efficient, powerful and reliable unit.

Standard configuration

Types of compressor:

- › Scroll hermetic compressor
- › Digital-scroll hermetic compressor
- › Bitzer semihermetic compressor
- › Dorin semihermetic compressor

Standard on all range:

- › Liquid Receiver
- › Safety valve
- › Liquid receiver shut off valves
- › Filter dryer on liquid line
- › Sight glass
- › Six-pole condenser fan
- › Condensing unit under nitrogen pressure
- › Adjustable Lp switch with automatic reset
- › Adjustable Hp switch with automatic reset
- › Muffler on discharge line
- › Power control box with magnetothermic switches (only range CU-G)
- › Thermal protection (only range CU-G)
- › Electronic controller (only range CU-G)
- › Power supply 380-400/3N~/50
- › Air + axial fan
- › Pressure controlled fan speed controller
- › Crankcase heater
- › Oil separator (only CU-G range)
- › Control panel with circuit breakers
- › Voltage monitor
- › Electronic controller (only range CU-G)
- › Double acoustic insulation with compressor hoods included (only CU-E and CU-G range)
- › Double acoustic insulation (only CU-B comm. and CU-D range)
- › Acoustic insulation (only CU-B semi-ind. Range)

Personalization options and accessories

Power options:

- › 220-230/3~/50
- › 220-230/3~/60
- › 440/3~/60
- › 380-400/3N~/60
- › 460/3~/60

Condensation options (only CU-B semi-ind. series):

- › Air cooled, axial fan, cataphoresis
- › Water cooled (city water), with water regulating valve
- › Water cooled (tower), without water regulating valve

Refrigeration plant options (no CU-G series):

- › Speed regulator with pressure control, crankcase heater and oil separator for low temperature also suction accumulator (no CU-B semi-ind. series)
- › Speed regulator with pressure control, crankcase heater and oil separator for low temperature also suction accumulator, check valve on discharge line (only CU-B semi-ind. series)



Technical data

Scroll hermetic compressor medium temperature units (CU-E)

Code	GCU2035E3B1C3R	GCU2040E3B1C3R	GCU2050E3B1C3R	GCU2060E3B1C3R	GCU2070E3B1C3R	GCU3080E3B1C3R	GCU3090E3B1C3R	GCU3100E3B1C3R	GCU5130E3B1C3R	GCU5150E3B1C3R
Refrigerant group	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	3,5	4	5	6	7	8	9	10	13	15
Compressor model	ZB26	ZB29	ZB38	ZB45	ZB48	ZB57	ZB66	ZB76	ZB95	ZB114M
PED category	1	1	1	1	1	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 3.723	4.016	5.200	6.237	7.263	8.085	9.304	10.725	14.011	16.300

Code	GCU2023E2B1C3R	GCU2030E2B1C3R	GCU2035E2B1C3R	GCU2040E2B1C3R	GCU3050E2B1C3R	GCU3060E2B1C3R	GCU3070E2B1C3R	GCU5080E2B1C3R	GCU5090E2B1C3R	GCU5100E2B1C3R	GCU5130E2B1C3R	GCU5150E2B1C3R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	2,3	3	3,5	4	5	6	7,5	8	9	10	13	15
Compressor model	ZB19	ZB21	ZB26	ZB29	ZB38	ZB45	ZB48	ZB57	ZB66	ZB76	ZB95	ZB114
PED category	1	1	1	1	2	2	2	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A 4.202	5.223	6.122	6.765	9.339	10.870	12.267	14.562	16.786	19.162	23.856	27.022
	R449A 3.977	4.993	5.842	6.458	8.752	10.328	11.647	13.715	15.684	18.131	22.170	25.704

Scroll hermetic compressor low temperature units (CU-E)

Code	HCU2030E2B1C3R	HCU2040E2B1C3R	HCU2050E2B1C3R	HCU2060E2B1C3R	HCU3075E2B1C3R	HCU4100E2B1C3R	HCU4130E2B1C3R	HCU4150E2B1C3R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	3	4	5	6	7,5	10	13	15
Compressor model	ZF09	ZF13	ZF15	ZF18	ZF25	ZF34	ZF41	ZF49
PED category	1	1	1	1	2	2	2	2
Working temperature [°C]	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40
Cooling capacity [Watt] [TEV=-30°C TA=30°C]	R404A 2.500	3.469	4.246	4.907	6.468	8.504	10.221	11.884
	R449A 2.270	3.177	3.886	4.512	5.905	7.759	9.394	-

Digital scroll hermetic compressor medium temperature units (CU-G)

Code	GCU2040G3B1D5R	GCU2050G3B1D5R	GCU2060G3B1D5R	GCU3080G3B1D5R	GCU3100G3B1D5R
Refrigerant group	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	4	5	6	8	10
Compressor model	ZBD29	ZBD38	ZBD45	ZBD57	ZBD76
PED category	1	1	1	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 406 ÷ 4.062	519 ÷ 5.194	601 ÷ 6.014	784 ÷ 7.836	1.054 ÷ 10.539

Code	GCU2030G2B1D5R	GCU2040G2B1D5R	GCU3050G2B1D5R	GCU3060G2B1D5R	GCU5080G2B1D5R	GCU5100G2B1D5R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	3	4	5	6	8	10
Compressor model	ZBD21	ZBD29	ZBD38	ZBD45	ZBD57	ZBD76
PED category	1	1	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A 525 ÷ 5.252	698 ÷ 6.983	913 ÷ 9.125	1.104 ÷ 11.036	1.456 ÷ 14.562	2.005 ÷ 20.048
	R449A 508 ÷ 5.078	669 ÷ 6.689	887 ÷ 8.874	1.047 ÷ 10.470	1.375 ÷ 13.754	1.880 ÷ 18.799

Bitzer semi-hermetic compressor medium temperature units (CU-B)

Code	GCU1010B3B1C2R	GCU1015B3B1C2R	GCU2020B3B1C2R	GCU2022B3B1C2R	GCU2025B3B1C2R	GCU2030B3B1C2R	GCU2040B3B1C2R	GCU3050B3B1C2R	GCU3060B3B1C2R	GCU4090B3B1C2R	GCU4120B3B1C2R	GCU5140B3B1C2R
Refrigerant group	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	1	2	2	2	2	3	4	5	6	9	12	14
Compressor model	2HES-1Y	2GES-2Y	2FES-2Y	2EES-2Y	2DES-2Y	2CES-3Y	4EES-4Y	4DES-5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y
PED category	1	1	1	1	1	1	1	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 1.985	2.296	3.050	3.654	4.281	5.297	7.097	8.447	10.165	12.912	13.231	17.940

Code	GCU5150B3B1C2R	GCU5180B3B1C2R	GCU5230B3B1C2R	GCU6250B3B1C3L	GCU6280B3B1C3L	GCU7340B3B1C3L	GCU7440B3B1C3L
Refrigerant group	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	15	18	23	28	28	34	44
Compressor model	4JE-15Y	4HE-18Y	4GE-23Y	6JE-25Y	6HE-28Y	6GE-34Y	6FE-44Y
PED category	2	2	2	2	2	3	3
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 20.851	24.167	27.156	30.453	35.303	41.784	49.167

Code	GCU1005B2B1C2R	GCU1007B2B1C2R	GCU2010B2B1C2R	GCU2015B2B1C2R	GCU2020B2B1C2R	GCU2030B2B1C2R	GCU3040B2B1C2R	GCU3045B2B1C2R	GCU3050B2B1C2R	GCU3055B2B1C2R	GCU3060B2B1C2R	GCU5090B2B1C2R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R449A	R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	400/ 3N~/50
HP compressor	0,5	0,75	1	1,5	2	3,5	4	5	5	7,5	6	10
Compressor model	2KES-05Y	2JES-07Y	2HES-2Y	2GES-2Y	2EES-3Y	2DES-3Y	2CES-4Y	4FES-5Y	4DES-5Y	4DES-7Y	4CES-6Y	4TES-9Y
PED category	1	1	1	1	1	1	2	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A 1.964	2.529	3.510	3.943	6.040	6.945	9.129	10.053	-	14.039	-	-
	R449A 1.885	2.409	3.363	3.894	5.959	6.945	8.931	9.923	12.061	13.886	14.675	19.510

Code	GCU5100B2B1C2R	GCU5120B2B1C2R	GCU5200B2B1C2R	GCU5220B2B1C2R	GCU6250B2B1C3L	GCU7300B2B1C3L	GCU7320B2B1C3L	GCU7350B2B1C3L	GCU8400B2B1C3L	GCU8500B2B1C3L
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	10	15	20	15	25	30	32	35	40	50
Compressor model	4TES-12Y	4PES-15Y	4NES-20Y	4JE-15Y	4HE-25Y	4GE-30Y	6JE-33Y	6HE-35Y	6GE-40Y	6FE-50Y
PED category	2	2	2	2	2	3	3	3	3	3
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A 21.740	25.087	28.904	-	39.252	46.874	50.266	56.841	66.494	77.508
	R449A 21.790	24.880	29.156	33.997*	38.289	45.387	48.637	55.692	65.325	79.507

* tentative data

Bitzer semi-hermetic compressor low temperature units (CU-B)

Code	HCU1007B2B1C2R	HCU1010B2B1C2R	HCU1015B2B1C2R	HCU1020B2B1C2R	HCU2020B2B1C2R	HCU2030B2B1C2R	HCU2050B2B1C2R	HCU3060B2B1C2R	HCU4090B2B1C2R	HCU4120B2B1C2R	HCU4140B2B1C2R	HCU5180B2B1C2R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	0,7	1	2	2	2	3	5	6	9	12	14	18
Compressor model	2JES-07Y	2HES-1Y	2GES-2Y	2FES-2Y	2DES-2Y	4FES-3Y	4DES5Y	4CES-6Y	4TES-9Y	4PES-12Y	4NES-14Y	4HE-18Y
PED category	1	1	1	1	1	1	1	2	2	2	2	2
Working temperature [°C]	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40
Cooling capacity [Watt] [TEV=-30°C TA=30°C]	R404A 966	1.179	1.560	1.836	3.045	3.910	5.645	7.202	8.801	9.478	11.169	17.246
	R449A 812	1.017	1.306	1.593	2.613	3.435	4.856	6.440	7.526	8.028	10.069	14.944

Code	HCU5230B2B1C2R	HCU6250B2B1C3L	HCU6280B2B1C3L	HCU6340B2B1C3L	HCU7440B2B1C3L
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	23	25	28	34	44
Compressor model	4GE-23Y	6JE-25Y	6HE-28Y	6GE-34Y	6FE-44Y
PED category	2	2	2	2	2
Working temperature [°C]	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40
Cooling capacity [Watt] [TEV=-30°C TA=30°C]	R404A 19.797	22.072	25.303	29.667	36.175
	R452A 17.914	18.745	21.654	27.125	32.658

Dorin semi-hermetic compressor medium temperature units (CU-D)

Code	GCU1010D3B1C2R	GCU1015D3B1C2R	GCU2022D3B1C2R	GCU2028D3B1C2R	GCU2030D3B1C2R	GCU2035D3B1C2R	GCU2038D3B1C2R	GCU2040D3B1C2R	GCU2045D3B1C2R	GCU3050D3B1C2R	GCU3055D3B1C2R	GCU3065D3B1C2R
Refrigerant group	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	1	1,5	2,2	2,8	3	3,5	3,8	4	4,5	5	5,5	6,5
Compressor model	H100CC	H150CC	H220CC	H280CC	H300CC	H350CC	H380CC	H400EP	H450EP	H500EP	H550EP	H650EP
PED category	1	1	1	1	1	1	1	1	1	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 1.427	1.942	3.134	3.791	4.597	5.006	5.413	5.888	7.098	8.566	10.195	13.068

Code	GCU3080D3B1C2R	GCU5120D3B1C2R	GCU5140D3B1C2R	GCU5150D3B1C2R	GCU5170D3B1C2R
Refrigerant group	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A	R134a R513A R450A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	8	12	14	14	17
Compressor model	H800EP	H1200EP	H1400EP	H1500EP	H1700EP
PED category	2	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R134a 14.436	17.656	23.735	26.674	31.706

Code	GCU1005D2B1C2R	GCU1007D2B1C2R	GCU2010D2B1C2R	GCU2015D2B1C2R	GCU2017D2B1C2R	GCU2019D2B1C2R	GCU2020D2B1C2R	GCU2030D2B1C2R	GCU3040D2B1C2R	GCU3050D2B1C2R	GCU3055D2B1C2R	GCU3070D2B1C2R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	0,5	0,75	1	1,5	1,5	2	2	3	4	5	5	7
Compressor model	H75CC	H100CC	H150CC	H180CC	H200CC	H220CC	H250CC	H280CC	H350CC	H403CC	H503CC	H701CC
PED category	1	1	1	1	1	1	1	1	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A 2.001	2.705	3.629	4.055	4.556	5.199	5.610	6.182	8.503	10.185	12.097	14.156
	R449A 2.094	2.589	3.446	3.803	4.692	5.008	5.331	5.811	8.167	9.941	11.712	13.453

Code	GCU5075D2B1C2R	GCU5100D2B1C2R	GCU5150D2B1C2R	GCU5200D2B1C2R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	7,5	10	15	20
Compressor model	H751CC	H1001CC	H1501CC	H2001CC
PED category	2	2	2	2
Working temperature [°C]	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20	+5 ÷ -20
Cooling capacity [Watt] [TEV=-10°C TA=30°C]	R404A R449A	16.894 16.209	19.504 18.920	25.856 25.192
			29.433	28.965

Dorin semi-hermetic compressor low temperature units (CU-D)

Code	HCU1005D2B1C2R	HCU1007D2B1C2R	HCU1010D2B1C2R	HCU1015D2B1C2R	HCU1018D2B1C2R	HCU1020D2B1C2R	HCU2022D2B1C2R	HCU2030D2B1C2R	HCU2035D2B1C2R	HCU2040D2B1C2R	HCU3050D2B1C2R	HCU3070D2B1C2R
Refrigerant group	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50	380- 400/3N~/50
HP compressor	0,5	0,75	1	1,5	1,8	2	2,2	3	3,5	4	5,5	7
Compressor model	H50CS	H75CS	H100CS	H150CS	H180CS	H200CS	H220CS	H300CS	H350SB	H403CS	H551CS	H701CS
PED category	1	1	1	1	1	1	1	1	1	1	2	2
Working temperature [°C]	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40	-15 ÷ -40
Cooling capacity [Watt] [TEV=-30°C TA=30°C]	R404A R449A	816 770	1.114 968	1.290 1.115	1.639 1.240	1.780 1.625	2.008 1.725	2.453 2.032	3.438 3.022	3.764 3.336	4.762 4.188	5.913 5.014
												5.612

Code	HCU3075D2B1C2R	HCU4100D2B1C2R
Refrigerant group	R404A R449A	R404A R449A
Power supply [V/Ph~/Hz]	380- 400/3N~/50	380- 400/3N~/50
HP compressor	7,5	10
Compressor model	H751CS	H1001CS
PED category	2	2
Working temperature [°C]	-15 ÷ -40	-15 ÷ -40
Cooling capacity [Watt] [TEV=-30°C TA=30°C]	R404A R452A	7.676 6.604
		10.036 9.177

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По вопросам продаж и поддержки обращайтесь:

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

эл.почта: zob@nt-rt.ru || сайт: <https://zanotti.nt-rt.ru/>