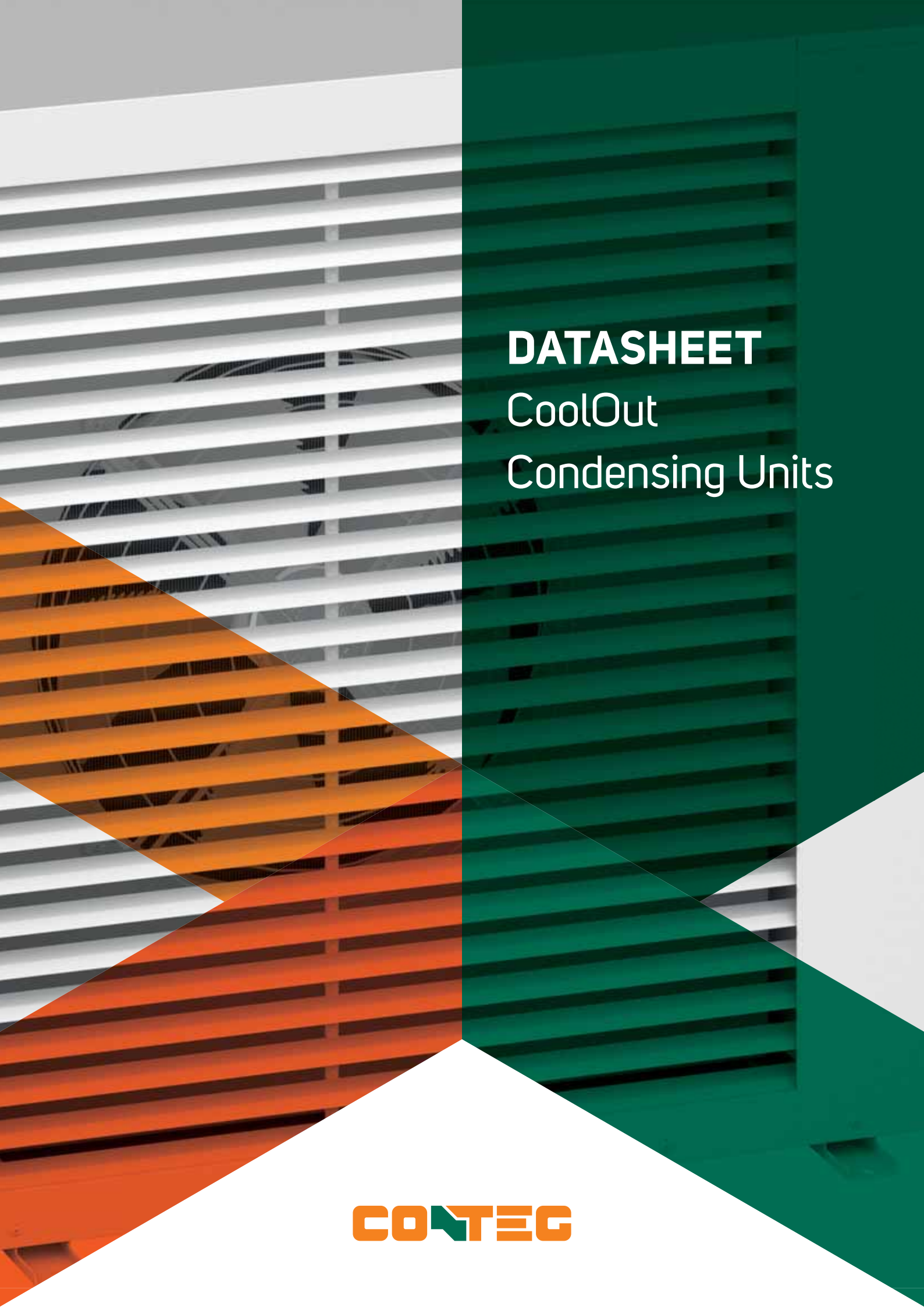


DATASHEET

CoolOut
Condensing Units

CONTEG

PRECISION COOLING AND CONTROLLED AIRFLOW

COOLOUT CONDENSING UNITS

CoolOut—front view

CoolOut—rear view

The **CoolOut** outdoor condensing unit is specially designed for conducting heat out of data centers. The unit meets all the strict demands on precision, stability and service life required for data centers.

MAIN BENEFITS

- Advanced communication and cooling regulation based on commands from the data center
- Very low consumption thanks to high-quality EC fans and active regulation of condensing pressure
- Inverter-controlled BLDC compressor
- Wide range of cooling power from 11 % upwards
- Versions for extreme ambient temperatures available
- Robust frame and housing made of high-quality corrosion-resistant materials
- Ability to communicate with a monitoring system (SNMP, Modbus TCP, Modbus RS485)
- Ability to monitor and control operating parameters through the indoor unit
- Simple to install and operate
- Option for remote servicing after connecting a PGDx service display
- Specially designed for precision cooling
- Linear electronic expansion valve

SUITABLE FOR

- Wide range of ambient conditions
- Installations emphasizing economical and reliable operation
- Compatible with CONTEG CoolSeven and CoolTeg DXSmall units

DESCRIPTION

- CoolOut is an outdoor condensing unit designed for precision compression cooling. The units are fitted with an inverter-controlled rotary DC compressor with cooling power of up to 8.1 kW.
- Thanks to the use of hot gas bypass technology, the unit's cooling power can be adjusted from 11 % of total cooling power upwards regardless of outdoor conditions.
- The use of a specially designed condenser, EC fans and a system of dynamic control of condensing pressure allowed minimizing the power consumption and noise emissions of the cooling unit.
- The running of the unit and correct functioning of all its parts is overseen by a built-in regulator with special CONTEG software. The regulator also ensures communication with the indoor unit via Fieldbus protocol. Basic information about the running of the outdoor unit can be tracked through the indoor unit.
- The design of the condensing unit allows its mounting onto the floor or a wall.
- CoolOut units are highly user-friendly in their setup and operation. Initialization and operation is very simple.

		AC-ODX-07-0XXXXXX	AC-ODX-07-SXXXXXX
Operating conditions	°C	-20 to +47 °C	-20 to +55 °C
Operating conditions ****	°C	-40 to +47 °C	–
Power regulation		Smooth 11 – 100%	Smooth 11 – 100 %
Rated cooling power	kW	8.1	8.1
Power supply	V/f/Hz	230/1/50-60	230/1/50-60
Operating current *	A	8.84	10.4
Maximum current	A	12.8	17.5
Rated input power *	kW	2.03	2.39
Compressor control		BLDC Inverter	BLDC Inverter
Coolant regulation		linear expansion valve	linear expansion valve
R410A coolant capacity **	kg	0	0
Acoustic pressure Lw(A) *	dB	44	63
Dimensions/weight			
Width	mm	1200	1200
Depth	mm	400	400
Height ***	mm	996	996
Weight	kg	78	99
Piping connection			
Fluid piping (diameter)	mm	12	12
Gas piping (diameter)	mm	16	16
Max. piping length	m	50	50
Max. difference in elevation	m	45	45

* Values at stabilized 80 % output.
** Without coolant, filled in during installation.
*** Including the profile for mounting the condensing unit.
**** If fitted with winter-kit accessories.

Part number on request.
Please contact our sales or technical team **www.conteg.com/contacts**

COOLOUT CONDENSING UNITS

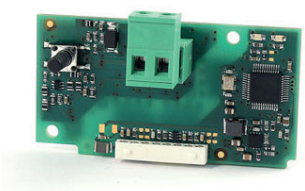
ACCESSORIES

DUAL POWER SUPPLY

- Electrical distributor for two power supply branches.
- The device allows powering a unit from two separate power sources.

RS485 BMS COMMUNICATION CARD

- Optically insulated card allowing communication with a unit via Modbus RTU protocol.



pCO WEB COMMUNICATION CARD

- Allows further individual communication (monitoring and control).
- Communication via Ethernet network protocols.
- Functions: web server, e-mail, FTP, SNMP, BACNet, ModBus TCP/IP and more.

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