



CGWN – CCUN

Water-cooled packaged and condenserless scroll chillers



Customer benefits

- Compact chiller with packaged hydraulic module (available as an option) for easier and faster installation
- Wide application flexibility for comfort and process applications: fits your exact requirements
- State of the art control to guarantee superior dependability: lower cost of ownership

Range description

CGWN: packaged chiller

CCUN: condenserless chiller

Main features

- High efficiency hermetic scroll compressors with low vibration and sound levels and full internal overheating protections
- External sheet metal parts are galvanized and finished with powder paint RAL 9002
- Access panels are quickly removable using a square key and mounted handles
- Designed for indoor and outdoor installation
- Maximum condenser leaving water temperature: 60°C (R410A)
- 380, 400 and 415V power voltage
- 400/110V transformer for the control
- Phase & unbalanced detection

Options

- High efficiency version
- Soft starter
- Evaporator + water pump command - single or double
- Condenser + water pump command - single or double
- Compressor sound attenuating jackets
- High and low pressure gauges
- Hydraulic module including:
 - Single or dual evaporator pump including water filter and pressure tabs
 - Speed inverter condenser pumps including flow control, condenser return and leaving water temperature
 - Combinations of hydraulic modules available: evaporator only, condenser only or both

Tracer™ CH530 Control

Adaptive Control™ microprocessor-based control featuring:

- Easy-to-use operator interface
- External linear reset, auxiliary and external water setpoint
- Compressor kW limiting (optional)
- Alarm indicator programmable relays (options)
- Ice making controls (optional)
- LonTalk®, Modbus®, BACnet® communication interface (optional)
- Leaving condenser water temperature control (optional)

Condenser leaving water temperature (min./max.)	(°C)	25/60
Condenser saturated discharge temperature (min./max.)	(°C)	25/60
Evaporator leaving water temperature range (min./max.)	(°C)	-12 / +15
Power supply	(V/Ph/Hz)	400/3/50

CGWN		205	205HE	206	206HE	207	207HE	208	209	210	211
Net cooling capacity (1) (4)	(kW)	181.6	192.7	215.9	226.6	250.5	261.5	282	311	340.5	372.1
Net power input (1) (4)	(kW)	44.6	41.4	52.7	49.7	60.4	57.7	63.9	72.9	81.7	89.8
Net EER (1) (4)		4.07/C	4.65/C	4.09/C	4.56/C	4.15/C	4.53/C	4.41/C	4.27/C	4.17/C	4.14/C
Net ESEER (4)		5.12	5.78	5.13	5.63	5.24	5.71	5.53	5.17	5.05	5.14
Number of refrigerant circuits		2									
Number of compressors / capacity steps		4									
Sound power level (3)	(dB(A))	82	82	82	82	83	83	83	84	84	84
Weights and dimensions (operating) (5)											
Length	(mm)	2545	2545	2545	2545	2545	2545	2545	2545	2545	2545
Width	(mm)	880	880	880	880	880	880	880	880	880	880
Height	(mm)	1842	1842	1842	1842	1842	1842	1842	1842	1842	1842
Weight	(kg)	1360	1460	1300	1450	1420	1470	1500	1650	1710	1790
Clearance A	(mm)	1000									
Clearance B	(mm)	800									
Electrical data											
Nominal amps	(A)	137	137	159	159	187	187	210	233	250	263
Start-up amps	(A)	278	278	334	334	395	395	418	441	512	525

CGWN		212	213	214	215
Net cooling capacity (1) (4)	(kW)	411	444	477	506
Net power input (1) (4)	(kW)	93.9	102.8	110.9	117.9
Net EER (1) (4)		4.4	4.3	4.3	4.3
Net ESEER (4)		5.5	5.3	5.3	5.3
Number of refrigerant circuits		2			
Number of compressors / capacity steps		6	6	6	6
Sound power level (3)	(dB(A))	87	88	88	90
Weights and dimensions (operating) (5)					
Length	(mm)	2808	2808	2808	2808
Width	(mm)	878	878	878	878
Height	(mm)	1950	1950	1950	1950
Weight	(kg)	2232	2442	2525	2640
Clearance A	(mm)	1000			
Clearance B	(mm)	800			
Electrical data					
Nominal amps	(A)	311	337	370	400
Start-up amps	(A)	563	588	621	655

(1) Evaporator 12/7°C and 0.044m2K/kW, and condenser at 30/35°C and 0.044m2K/kW

(2) Evaporator 12/7°C and 0.044m2K/kW, and condenser 45°C saturating subcooling 5K

(3) At full load and in accordance with ISO9614 and without compressor enclosure

(4) Net performances calculated as per EN14511

(5) Without hydraulic module or pumps

