

Model CGIW and CGIA n-n-V8R-P1-P2-P3, details of type and technical values available from the selection program

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|----------|------|------|------|------|------|-----------|------|------|------|--------------|-------|------|-------|-------|-------|--------------|-------|-------|-------|-------|-------|-------|
| | 3-1 | 5-1 | 6-1 | 8-1 | 10-1 | 12-1 | 12-2 | 16-2 | 20-2 | 24-2 | 28-4 | 32-4 | 36-4 | 44-4 | 48-4 | 56-4 | 64-4 | 72-4 | 80-4 | 90-4 | 100-4 | 110-4 | 120-4 |
| Cooling output kW | 12,2 | 16,1 | 20,5 | 28,1 | 35,4 | 41,8 | 40,9 | 56,1 | 70,9 | 83,5 | 81,8 | 112,2 | 127 | 141,8 | 167 | 189,9 | 212,8 | 240,2 | 267,5 | 7,2 | 346,9 | 393,9 | 441 |
| Capacity steps | 0;100% | | | | | | 0;50;100% | | | | 0;50;75;100% | | | | | | 0;50;75;100% | | | | | | |
| Power Type V-Ph-Hz | 400-3-50 | | | | | | 400-3-50 | | | | 400-3-50 | | | | | | 400-3-50 | | | | | | |
| Power input kW | 5,6 | 7,3 | 9,11 | 11,9 | 14,6 | 16,8 | 18,2 | 23,7 | 29,3 | 33,6 | 36,4 | 47,5 | 53 | 58,5 | 67,3 | 78,4 | 89,6 | 99,7 | 109,9 | 125,9 | 142 | 160,8 | 179,5 |
| Operating current A | 9,2 | 12,1 | 14,6 | 19,7 | 24,2 | 28,8 | 29,2 | 33,3 | 39,3 | 57,6 | 58,5 | 78,6 | 87,6 | 96,7 | 115,1 | 130,5 | 145,8 | 161,7 | 177,7 | 205,7 | 233,6 | 264,1 | 294,6 |
| Pre-cutout A (Slow fuse) | 20 | 25 | 32 | 32 | 40 | 40 | 50 | 63 | 63 | 80 | 100 | 100 | 100 | 125 | 160 | 160 | 200 | 200 | 200 | 250 | 315 | 350 | 350 |
| Circuits | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Refrigerant Kg (R410A) | 3 | 3,3 | 3,6 | 3,6 | 4 | 4,5 | 7,2 | 7,2 | 8 | 9 | 11 | 12,6 | 15,2 | 18 | 18 | 24 | 30 | 33 | 34 | 34 | 36 | 40 | 40 |
| Buffer tank (liters) | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 | 800 |

Dimensions CGIW and CGIA n-n-V-P1-P2-(P3)

| | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Lenght mm | 1240 | 1240 | 1240 | 1240 | 1240 | 1240 | 1790 | 1790 | 1790 | 1790 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 | 3450 |
| Width mm | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 |
| Height mm | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1850 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 | 1950 |

Weight CGIW and CGIA n-n-V-P1-P2-(P3)

| | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Freightage weight kg | 450 | 450 | 460 | 470 | 475 | 480 | 715 | 755 | 770 | 785 | 1620 | 1680 | 1740 | 1755 | 1830 | 1950 | 2220 | 2260 | 2290 | 2370 | 2430 | 2500 | 2620 |
| Operation weight kg | 760 | 760 | 785 | 805 | 810 | 815 | 1060 | 1010 | 1110 | 1130 | 2470 | 2550 | 2620 | 2640 | 2720 | 2850 | 3010 | 3075 | 3120 | 3265 | 3275 | 3620 | 2710 |

Technical data:

Evaporator 7/12, condenser 36/42 °C • Ethylene Glycol content 35% • Power input: compressors (optional pumps, drycooler or condenser fans to be stated separately)

Size 28...120, pipe connections increasing unit length approx. +100 mm

In CGIA units the cooling capacity is given with a condensing temperature 45 °C • (P3) only in model CGIW. Extrapolation from output table is not permitted.

Final technical selection to be made from our dimensioning software.

Chiller reserves the right to make changes without separate notice. • CGIA products with R407 refrigerant!

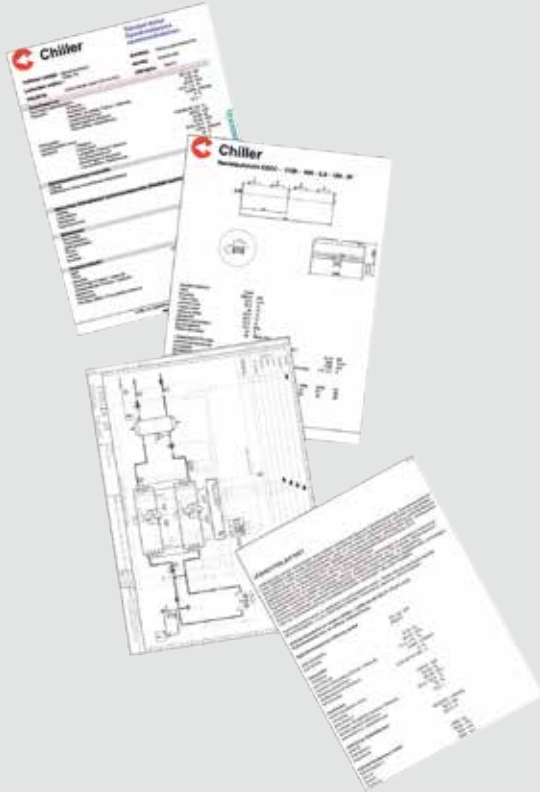


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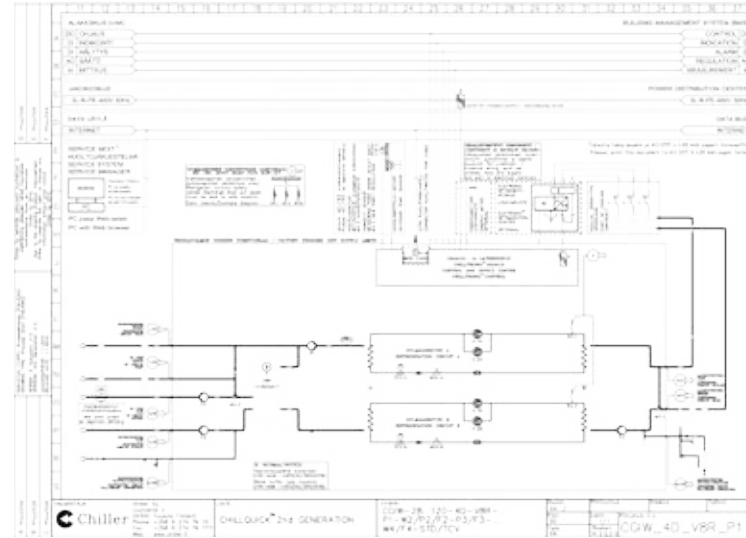
Designer's Toolbox

Chiller selection program for:

- ▶ Technical data
- ▶ Dimensional drawing
- ▶ Operating diagram
- ▶ Electrical diagram



▶ CGIW liquid-cooled water chiller operating diagram



▶ CGIA air-cooled water chiller operating diagram

