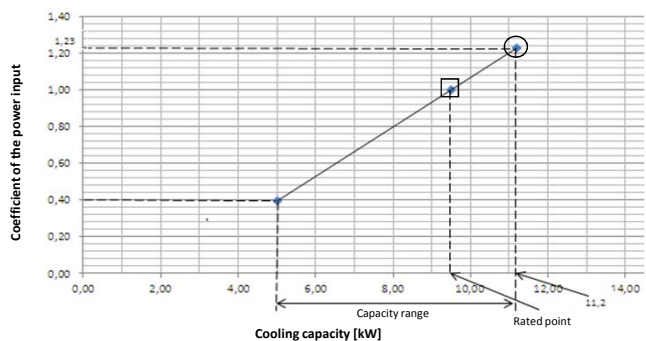


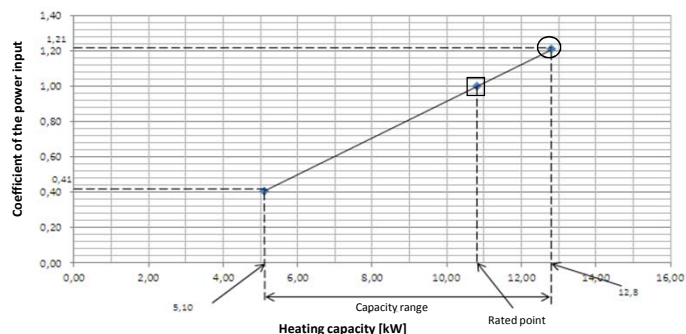
RZQG100L9V1

RZQG100L8Y1

Cooling



Heating



Symbols

- AFR: Air flow rate [m³/min]
 - BF: Bypass factor
 - EWB: Entering wet-bulb temperature (°C WB)
 - EDB: Entering dry-bulb temperature (°C DB)
 - TC: Maximum total cooling/heating capacity [kW]
 - SHC: Sensible heat capacity [kW]
 - CPI: Coefficient of the power input
 - PI: Power input [kW]
- compressor + indoor and outdoor fan motors

Cooling

| Indoor | | Outdoor temperature [°C DB] | | | | | | | | | | | |
|--------|------|-----------------------------|------|------|-------|------|------|--------------|-------------|-------------|-------|------|------|
| | | 25 | | | 30 | | | 35 | | | 40 | | |
| °CWB | °CDB | TC | SHC | CPI | TC | SHC | CPI | TC | SHC | CPI | TC | SHC | CPI |
| 16,0 | 22 | 11,20 | 7,61 | 1,01 | 10,85 | 7,44 | 1,11 | 10,50 | 7,29 | 1,22 | 10,11 | 7,09 | 1,32 |
| 18,0 | 25 | 11,80 | 7,59 | 1,01 | 11,37 | 7,49 | 1,12 | 11,00 | 7,27 | 1,23 | 10,55 | 7,09 | 1,33 |
| 19,0 | 27 | 12,00 | 7,57 | 1,02 | 11,62 | 7,44 | 1,12 | 11,20 | 7,26 | 1,23 | 10,80 | 7,04 | 1,33 |
| 19,5 | 27 | 12,15 | 7,59 | 1,02 | 11,74 | 7,37 | 1,13 | 11,43 | 7,34 | 1,23 | 10,91 | 7,04 | 1,34 |
| 22,0 | 30 | 12,80 | 7,52 | 1,02 | 12,37 | 7,36 | 1,13 | 11,90 | 7,16 | 1,24 | 11,52 | 7,03 | 1,35 |
| 24,0 | 32 | 13,30 | 7,42 | 1,03 | 12,88 | 7,27 | 1,14 | 12,40 | 7,06 | 1,25 | 11,97 | 6,91 | 1,36 |

Heating

| Indoor | | Outdoor temperature [°C WB] | | | | | | | | | | | |
|--------|------|-----------------------------|------|-------|------|------|------|------|-------------|-------------|------|------|------|
| | | -15,0 | | -10,0 | | -5,0 | | 0,0 | | 6,0 | | 10,0 | |
| °CDB | °CWB | TC | CPI | TC | CPI | TC | CPI | TC | CPI | TC | CPI | TC | CPI |
| 16 | 8,58 | 0,92 | 9,45 | 0,98 | 10,1 | 1,02 | 10,4 | 1,05 | 12,8 | 1,11 | 13,8 | 1,18 | 1,18 |
| 18 | 8,57 | 0,97 | 9,44 | 1,02 | 10,0 | 1,06 | 10,3 | 1,09 | 12,8 | 1,16 | 13,8 | 1,23 | 1,23 |
| 20 | 8,56 | 1,00 | 9,43 | 1,06 | 10,0 | 1,11 | 10,3 | 1,13 | 12,8 | 1,21 | 13,8 | 1,27 | 1,27 |
| 21 | 8,56 | 1,02 | 9,42 | 1,08 | 10,0 | 1,12 | 10,3 | 1,15 | 12,8 | 1,23 | 13,8 | 1,30 | 1,30 |
| 22 | 8,55 | 1,04 | 9,42 | 1,10 | 10,0 | 1,14 | 10,3 | 1,18 | 12,8 | 1,26 | 13,8 | 1,32 | 1,32 |
| 24 | 8,54 | 1,08 | 9,41 | 1,14 | 10,0 | 1,19 | 10,3 | 1,22 | 12,8 | 1,31 | 13,8 | 1,37 | 1,37 |

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- = Maximum at standard conditions
□ = Rated capacity and rated coefficient of the power input
The maximum capacity is not guaranteed except at standard conditions.
- SHC is based on indoor units EWB & EDB.
SHC for other dry-bulb temperatures = SHC + SHC*
SHC* = SHC correction for other dry-bulb temperatures
= 0.02 x AFR (m³/min) x (1-BF) x (DB* - EDB)
- The capacities are based on the following conditions:
Outdoor air: 85% RH
However, the outdoor ambient condition of the rated capacity during heating operation is 7°C DB / 6°C WB.
Corresponding refrigerant piping length: 5.0 m
Level difference: 0m
- CPI is a percentage value compared to the rated value which is 1.00.
- The error rate for this value is less than 5% and depends on the indoor unit type.
- The heating performance takes into account the drop that occurs during defrost operation.
- The air flow rate and bypass factor are mentioned in the table.

- The rated power input for each model is mentioned in the table below.

Pair

| | FCQH100F | FCQG100F | FBQ100C | FHQG100C | FAQ100C | FVQ100C | FHQ100CA | FUQ100C | FBQ100D |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| AFR (BF) | 32.3 (0.17) | 32.0 (0.17) | 32.0 (0.13) | 20.0 (0.09) | 26.0 (0.10) | 28.0 (0.20) | 28.0 (0.09) | 31.0 (0.20) | 29.0 (0.03) |

Pair

| | FCQH100F | FCQG100F | FBQ100C | FHQG100C | FAQ100C | FVQ100C | FHQ100CA | FUQ100C | FBQ100D |
|---------|----------|----------|---------|----------|---------|---------|----------|---------|---------|
| Cooling | 2,15 | 2,45 | 2,44 | 2,49 | 2,63 | 2,49 | 2,49 | 2,33 | 2,49 |
| Heating | 2,16 | 2,60 | 2,57 | 2,60 | 3,00 | 2,61 | 2,60 | 2,62 | 2,45 |

Twin

| | FCQG50F X 2 | FBQ50C X 2 | FHQ50CA X 2 | FFQ50C X 2 | FDXS50F9 X 2 | FBQ50D X 2 | FNQ50A X 2 |
|----------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| AFR (BF) | 12,6 x 2 (0,22 x 2) | 16 x 2 (0,16 x 2) | 15 x 2 (0,18 x 2) | 12 x 2 (0,16 x 2) | 16 x 2 (0,11 x 2) | 15 x 3 (0,13 x 2) | 16 x 2 (0,11 x 2) |

Twin

| | FCQG50F X 2 | FBQ50C X 2 | FHQ50CA X 2 | FFQ50C X 2 | FDXS50F9 X 2 | FBQ50D X 2 | FNQ50A X 2 |
|---------|-------------|------------|-------------|------------|--------------|------------|------------|
| Cooling | 2,32 | 2,51 | 2,93 | 2,65 | 2,51 | 2,87 | 2,51 |
| Heating | 2,46 | 2,86 | 3,28 | 2,89 | 2,96 | 2,73 | 2,96 |

Triple

| | FCQG35F X 3 | FBQ35C X 3 | FHQ35CA X 3 | FFQ35C X 3 | FDXS35F X 3 | FBQ35D x 3 | FNQ35A X 3 |
|----------|--------------------|-------------------|-------------------|-------------------|--------------------|-------------------|--------------------|
| AFR (BF) | 12,5 x 3 (0,4 x 3) | 16 x 3 (0,15 x 3) | 14 x 3 (0,17 x 3) | 10 x 3 (0,25 x 3) | 8,7 x 3 (0,17 x 3) | 15 x 3 (0,08 x 3) | 8,7 x 3 (0,17 x 3) |

Triple

| | FCQG35F X 3 | FBQ35C X 3 | FHQ35CA X 3 | FFQ35C X 3 | FDXS35F X 3 | FBQ35D x 3 | FNQ35A X 3 |
|---------|-------------|------------|-------------|------------|-------------|------------|------------|
| Cooling | 2,38 | 2,51 | 2,91 | 2,45 | 2,81 | 2,68 | 2,81 |
| Heating | 2,51 | 2,86 | 3,20 | 2,59 | 3,68 | 2,70 | 3,68 |