



# CONDENSADORES

## Tipo Mesa

### CARACTERISTICAS GENERALES

- ★ TOTALMENTE APTO PARA INTEMPERIE
- ★ CONDENSADOR EN CHAPA GALVANIZADA
- ★ FORZADOR/ES 1350 RPM CON GRILLAS PROTECTORAS
- ★ CAJA DE CONEXIONES CON BORNES SEÑALIZADOS
- ★ TORNILLERIA DE ACERO INOXIDABLE



#### Opcional

- ★ FORZADOR/ES 950 RPM

### CARACTERISTICAS TECNICAS

| MODELO    | FORZADORES |       | CAPACIDADES |          |          |          |          |        | CONEXIONES |        | PESO |
|-----------|------------|-------|-------------|----------|----------|----------|----------|--------|------------|--------|------|
|           |            |       | 950 RPM     |          |          | 1350 RPM |          |        |            |        |      |
|           | Cant.      | Diám. | m³ / h      | Kcal / h | Watts    | m³ / h   | Kcal / h | Watts  | Entrada    | Salida |      |
| CXND08U08 | 2          | 500   | 11.000      | 13612    | 15828,0  | 13.600   | 16.400   | 19070  | 7/8"       | 5/8"   | 98   |
| CXND10U10 | 2          | 500   | 10.600      | 16683    | 19399,0  | 13.000   | 20.100   | 23372  | 7/8"       | 5/8"   | 104  |
| CXND12U12 | 2          | 500   | 10.600      | 19920    | 23163,0  | 13.000   | 24.000   | 27907  | 7/8"       | 5/8"   | 110  |
| CXND15U15 | 2          | 500   | 10.100      | 24485    | 28471,2  | 12.400   | 29.500   | 34303  | 7/8"       | 5/8"   | 115  |
| CXND18U18 | 2          | 500   | 10.000      | 28220    | 32814,2  | 11.900   | 34.000   | 39535  | 1 1/8"     | 5/8"   | 125  |
| CXND20U20 | 2          | 500   | 9.300       | 34860    | 40535,2  | 11.400   | 42.000   | 48838  | 1 1/8"     | 7/8"   | 140  |
| CXND24D12 | 4          | 500   | 21.100      | 38595    | 44878,3  | 26.000   | 46.500   | 54070  | 1 1/8"     | 7/8"   | 212  |
| CXND24U24 | 2          | 630   | ---         | ---      | ---      | 22.000   | 47.100   | 54768  | 1 1/8"     | 7/8"   | 160  |
| CXND28U28 | 2          | 630   | ---         | ---      | ---      | 20.000   | 56.500   | 65698  | 1 1/8"     | 7/8"   | 190  |
| CXND30D15 | 4          | 500   | 20.100      | 48970    | 56942,3  | 24.800   | 59.000   | 68605  | 1 1/8"     | 7/8"   | 222  |
| CXND30U30 | 3          | 630   | ---         | ---      | ---      | 36.000   | 61.000   | 70931  | 1 5/8"     | 1 1/8" | 230  |
| CXND36D18 | 4          | 500   | 19.300      | 56440    | 65628,4  | 23.800   | 68.000   | 79070  | 1 3/8"     | 7/8"   | 238  |
| CXND40D20 | 4          | 500   | 18.600      | 69720    | 81070,4  | 39.000   | 84.000   | 97675  | 1 3/8"     | 7/8"   | 300  |
| CXND48D24 | 4          | 630   | ---         | ---      | ---      | 47.000   | 94.200   | 109536 | 1 3/8"     | 7/8"   | 320  |
| CXND56D28 | 4          | 630   | ---         | ---      | ---      | 40.000   | 110.000  | 127908 | 1 3/8"     | 7/8"   | 380  |
| CXND60D30 | 6          | 630   | ---         | ---      | ---      | 72.000   | 122.000  | 141862 | 1 5/8"     | 1 1/8" | 460  |
| CXND60T20 | 6          | 500   | 27.700      | 104580   | 121605,6 | 34.200   | 126.000  | 146513 | 1"5/8      | 1 1/8" | 420  |
| CXND72T24 | 6          | 630   | ---         | ---      | ---      | 66.000   | 141.300  | 164304 | 1"5/8      | 1 1/8" | 480  |
| CXND84T28 | 6          | 630   | ---         | ---      | ---      | 60.000   | 169.000  | 196513 | 1"5/8      | 1 1/8" | 570  |
| CXND90T30 | 9          | 630   | ---         | ---      | ---      | 108000   | 183.000  | 212792 | 1"5/8      | 1 1/8" | 700  |

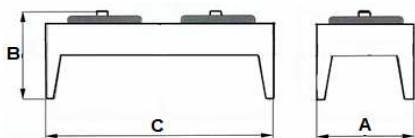


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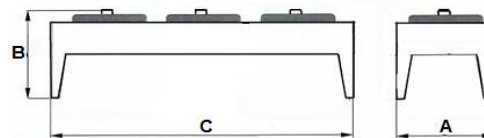
## Tipo Mesa

### DIMENSIONES

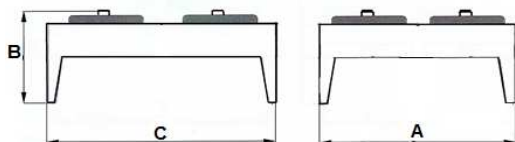
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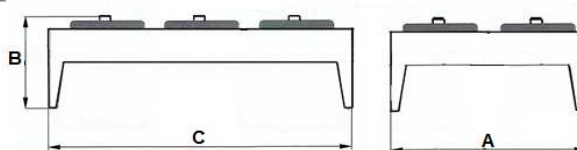
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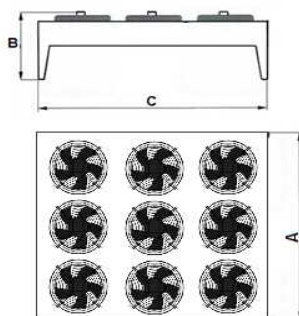
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4



5



| MODELO    | ESQUEMA | A    | B   | C    | MODELO    | ESQUEMA | A    | B    | C    |
|-----------|---------|------|-----|------|-----------|---------|------|------|------|
| CXND08U08 | 1       | 680  | 930 | 1410 | CXND30U30 | 3       | 2700 | 1120 | 1080 |
| CXND10U10 | 1       | 680  | 930 | 1410 | CXND36D18 | 2       | 1680 | 930  | 1410 |
| CXND12U12 | 1       | 840  | 930 | 1410 | CXND40D20 | 2       | 1860 | 930  | 1700 |
| CXND15U15 | 1       | 840  | 930 | 1410 | CXND48D24 | 2       | 1960 | 1120 | 1900 |
| CXND18U18 | 1       | 840  | 930 | 1410 | CXND56D28 | 2       | 1960 | 1120 | 1900 |
| CXND20U20 | 1       | 930  | 930 | 1700 | CXND60D30 | 4       | 2700 | 1120 | 1970 |
| CXND24D12 | 2       | 1680 | 930 | 1410 | CXND60T20 | 4       | 2790 | 930  | 1700 |
| CXND24U24 | 1       | 930  | 930 | 1700 | CXND72T24 | 4       | 1900 | 1120 | 2850 |
| CXND28U28 | 1       | 930  | 930 | 1700 | CXND84T28 | 4       | 1900 | 1120 | 2850 |
| CXND30D15 | 2       | 1680 | 930 | 1410 | CXND90T30 | 5       | 2700 | 1120 | 2950 |

La empresa se reserva el derecho de realizar modificaciones sin previo aviso

## SELECCIÓN DE CONDENSADORES

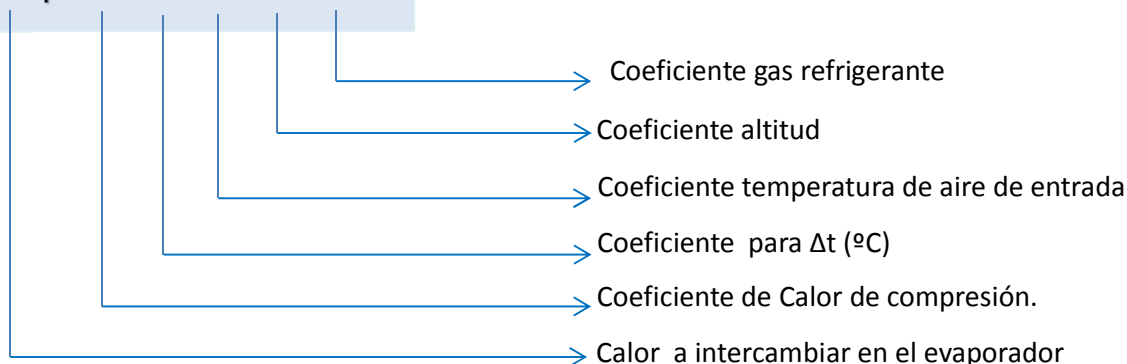


El rendimiento de los condensadores **Good Cold** está dado para una temperatura de condensación de 45°C con un diferencial de temperatura ( $\Delta T$ ) de 11°C.

Para seleccionar el condensador adecuado debemos afectar el calor a intercambiar en el evaporador por una serie de factores.

Con el valor calculado podremos seleccionar adecuadamente el condensador en el catálogo.

$$Q_{\text{cond}} = Q_{\text{evap}} \cdot F_c \cdot K \cdot K1 \cdot K2 \cdot K3$$



### Coeficiente de calor de compresión **F<sub>c</sub>**

| Temp. Condensación<br>°C | Temperatura Evaporación |       |       |       |       |       |       |      |      |      |      |
|--------------------------|-------------------------|-------|-------|-------|-------|-------|-------|------|------|------|------|
|                          | -40°C                   | -35°C | -30°C | -25°C | -20°C | -15°C | -10°C | -5°C | 0°C  | 5°C  | 10°C |
| 35                       | 1,68                    | 1,6   | 1,53  | 1,47  | 1,41  | 1,35  | 1,31  | 1,27 | 1,23 | 1,19 | 1,14 |
| 40                       | 1,77                    | 1,66  | 1,58  | 1,51  | 1,44  | 1,39  | 1,34  | 1,29 | 1,25 | 1,21 | 1,18 |
| 45                       | 1,88                    | 1,74  | 1,63  | 1,55  | 1,48  | 1,43  | 1,38  | 1,33 | 1,29 | 1,24 | 1,21 |
| 50                       | 2,04                    | 1,86  | 1,72  | 1,62  | 1,54  | 1,48  | 1,42  | 1,37 | 1,33 | 1,28 | 1,24 |

### Coeficiente para $\Delta t$ (**K**)

|          | $\Delta t$ (°C) |      |      |      |      |      |      |
|----------|-----------------|------|------|------|------|------|------|
|          | 9°C             | 10°C | 11°C | 12°C | 13°C | 14°C | 15°C |
| <b>K</b> | 1,22            | 1,1  | 1    | 0,91 | 0,84 | 0,78 | 0,73 |

### Coeficiente temperatura del aire (**K1**)

|           | Temperatura del Aire de Entrada (°C) |      |      |      |      |      |      |
|-----------|--------------------------------------|------|------|------|------|------|------|
|           | 15°C                                 | 20°C | 25°C | 30°C | 34°C | 40°C | 45°C |
| <b>K1</b> | 0,94                                 | 0,96 | 0,97 | 0,98 | 1    | 1,01 | 1,03 |

### Coeficiente de altitud (**K2**)

|           | Altura sobre Nivel del Mar (m) |      |      |       |       |       |       |
|-----------|--------------------------------|------|------|-------|-------|-------|-------|
|           | 0                              | 600  | 800  | 1.000 | 1.400 | 1.800 | 2.000 |
| <b>K2</b> | 1,00                           | 1,04 | 1,06 | 1,07  | 1,106 | 1,14  | 1,16  |

### Coeficiente gas refrigerante (**K3**)

|           | Refrigerante |        |       |
|-----------|--------------|--------|-------|
|           | R-22         | R-404A | R-134 |
| <b>K3</b> | 1,00         | 1,05   | 1,02  |