

**Aircooled liquid chillers EET series for high ambient temperature with screw compressors and R134a**

|   |  |              |            |            |            |            |            |            |            |            |            |            |            |             |             |             |             |  |
|---|--|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|--|
| <b>EET-HA45</b><br>designed for max ambient temperature 45 °C | <b>Cooling Big Evolution</b>                             | <b>Model</b> | <b>210</b> | <b>250</b> | <b>300</b> | <b>350</b> | <b>400</b> | <b>470</b> | <b>510</b> | <b>580</b> | <b>650</b> | <b>700</b> | <b>850</b> | <b>1000</b> | <b>1100</b> | <b>1210</b> | <b>1350</b> |  |
|   | NOMINAL COOLING CAPACITY at ambient temperature 45°C (1) | kW           | 216        | 240        | 276        | 316        | 372        | 430        | 474        | 544        | 617        | 678        | 798        | 900         | 1057        | 1171        | 1248        |  |
|   | TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1)             | kW           | 81.7       | 93.4       | 96.6       | 122.0      | 146.0      | 153.7      | 177.5      | 191.2      | 210.6      | 245.4      | 286.8      | 318.9       | 360.8       | 418.4       | 465.5       |  |
|   | EER  | kW/kW        | 2.4        | 2.4        | 2.5        | 2.4        | 2.4        | 2.5        | 2.5        | 2.6        | 2.6        | 2.5        | 2.5        | 2.5         | 2.6         | 2.6         | 2.5         |  |
|   | COOLING CAPACITY at ambient temperature 35°C (1)         | kW           | 238        | 271        | 316        | 358        | 418        | 478        | 524        | 600        | 660        | 748        | 881        | 1007        | 1164        | 1304        | 1405        |  |
|   | PARTITION STEPS PER COMPRESSOR                           | %            | 50-75-100  |            |            |            |            |            |            |            |            |            |            |             |             |             |             |  |
|   | COMPRESSORS / REFRIGERATING CIRCUITS                     | nr.          | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2       | 2 / 2       | 2 / 2       | 2 / 2       |  |
|   | NOMINAL WATER FLOW                                       | m3/h         | 37.2       | 41.3       | 47.4       | 54.4       | 63.9       | 74.0       | 81.5       | 93.5       | 106.1      | 116.6      | 137.3      | 154.9       | 181.8       | 201.4       | 214.6       |  |
|   | WATER FLOW RANGE   | m3/h         | 22÷50      | 23÷59      | 29÷74      | 32÷80      | 42÷107     | 42÷107     | 50÷125     | 58÷143     | 58÷144     | 70÷162     | 83÷210     | 95÷240      | 110÷251     | 121÷251     | 152÷323     |  |
|   | FANS   | nr.          | 4          | 4          | 6          | 6          | 6          | 8          | 8          | 10         | 12         | 12         | 14         | 18          | 20          | 20          | 22          |  |
|   | <b>ELECTRIC FEED</b>                                     | V/Ph/Hz      | 400/3/50   |            |            |            |            |            |            |            |            |            |            |             |             |             |             |  |
|   | MAXIMUM ASSORBED CURRENT POWER (3)                       | kW           | 89.5       | 101.2      | 108.2      | 133.6      | 157.6      | 169.2      | 193.0      | 210.6      | 233.9      | 268.6      | 313.9      | 353.8       | 399.6       | 457.2       | 508.2       |  |
|   | MAXIMUM ABSORBED CURRENT (F.L.A) (3)                     | A            | 232        | 272        | 311        | 347        | 363        | 391        | 463        | 531        | 567        | 667        | 795        | 910         | 978         | 978         | 1218        |  |
|   | MAXIMUM PEAK CURRENT (L.R.A) (3)                         | A            | 632        | 629        | 752        | 871        | 983        | 1098       | 1190       | 1308       | 1421       | 1538       | 2278       | 2519        | 3048        | 3048        | 3522        |  |
|   | SOUND PRESSURE FOR STANDARD CONFIGURATION (2) (3)        | dB(A)        | 67.0       | 66.3       | 67.0       | 66.8       | 68.9       | 69.8       | 70.3       | 70.8       | 70.4       | 70.5       | 72.8       | 73.7        | 74.4        | 75.1        | 75.8        |  |
|   | <b>DIMENSIONS AND WEIGHT</b>                             |              |            |            |            |            |            |            |            |            |            |            |            |             |             |             |             |  |
|   | LENGTH   | mm           | 3100       | 3100       | 4050       | 4050       | 4050       | 5000       | 5000       | 5950       | 6900       | 6900       | 7850       | 9750        | 10700       | 10700       | 11650       |  |
|   | WIDTH  | mm           | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210        | 2210        | 2210        | 2210        |  |
| HEIGHT  | mm   | 2450         | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450        | 2450        | 2450        |             |  |
| WEIGHT EMPTY FOR STANDARD CONFIGURATION (3)                   | kg   | 3000         | 3150       | 3900       | 4200       | 4300       | 4700       | 4800       | 5500       | 6300       | 6400       | 7800       | 9200       | 10100       | 10300       | 11300       |             |  |
| WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (3)               | kg   | 3150         | 3300       | 4060       | 4370       | 4480       | 4890       | 5000       | 5720       | 6590       | 6690       | 7700       | 9550       | 10480       | 10680       | 11690       |             |  |

|   |  |              |            |            |            |            |            |            |            |            |            |            |            |             |             |       |  |  |
|---|--|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|-------|--|--|
| <b>EET-HA50</b><br>designed for max ambient temperature 50 °C | <b>Cooling Big Evolution</b>                             | <b>Model</b> | <b>210</b> | <b>250</b> | <b>300</b> | <b>350</b> | <b>400</b> | <b>470</b> | <b>510</b> | <b>580</b> | <b>650</b> | <b>700</b> | <b>850</b> | <b>1000</b> | <b>1100</b> |       |  |  |
|   | NOMINAL COOLING CAPACITY at ambient temperature 50°C (1) | kW           | 217        | 242        | 271        | 311        | 367        | 413        | 465        | 528        | 594        | 645        | 762        | 872         | 1007        |       |  |  |
|   | TOTAL COMPRESSORS NOMINAL ABSORBED POWER (1)             | kW           | 81.4       | 92.2       | 99.6       | 125.0      | 149.7      | 165.4      | 185.8      | 203.0      | 227.6      | 263.4      | 305.8      | 334.3       | 389.1       |       |  |  |
|   | EER  | kW/kW        | 2.3        | 2.6        | 2.7        | 2.5        | 2.4        | 2.5        | 2.5        | 2.6        | 2.6        | 2.5        | 2.5        | 2.6         | 2.6         |       |  |  |
|   | COOLING CAPACITY at ambient temperature 35°C (1)         | kW           | 245        | 282        | 326        | 369        | 433        | 490        | 536        | 610        | 672        | 761        | 897        | 1021        | 1178        |       |  |  |
|   | PARTITION STEPS PER COMPRESSOR                           | %            | 50-75-100  |            |            |            |            |            |            |            |            |            |            |             |             |       |  |  |
|   | COMPRESSORS / REFRIGERATING CIRCUITS                     | nr.          | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2      | 2 / 2       | 2 / 2       | 2 / 2 |  |  |
|   | NOMINAL WATER FLOW                                       | m3/h         | 37.3       | 41.7       | 46.6       | 53.5       | 63.1       | 71.1       | 79.9       | 90.8       | 102.2      | 111.0      | 131.0      | 150.0       | 173.3       |       |  |  |
|   | WATER FLOW RANGE   | m3/h         | 22÷50      | 23÷59      | 29÷74      | 32÷80      | 42÷107     | 42÷107     | 50÷125     | 58÷143     | 58÷144     | 70÷162     | 83÷210     | 95÷240      | 110÷251     |       |  |  |
|   | FANS   | nr.          | 6          | 6          | 8          | 8          | 8          | 10         | 10         | 12         | 14         | 14         | 16         | 20          | 22          |       |  |  |
|   | <b>ELECTRIC FEED</b>                                     | V/Ph/Hz      | 400/3/50   |            |            |            |            |            |            |            |            |            |            |             |             |       |  |  |
|   | MAXIMUM ASSORBED CURRENT POWER (3)                       | kW           | 93.0       | 103.8      | 115.1      | 140.5      | 165.2      | 184.8      | 205.2      | 226.3      | 254.8      | 290.6      | 336.8      | 373.1       | 431.8       |       |  |  |
|   | MAXIMUM ABSORBED CURRENT (F.L.A) (3)                     | A            | 239        | 279        | 319        | 355        | 371        | 399        | 471        | 539        | 575        | 675        | 802        | 918         | 986         |       |  |  |
|   | MAXIMUM PEAK CURRENT (L.R.A) (3)                         | A            | 639        | 636        | 760        | 879        | 991        | 1106       | 1198       | 1316       | 1429       | 1546       | 2285       | 2527        | 3056        |       |  |  |
|   | SOUND PRESSURE FOR STANDARD CONFIGURATION (2) (3)        | dB(A)        | 67.5       | 66.9       | 67.5       | 67.3       | 69.3       | 70.0       | 70.5       | 71.0       | 70.6       | 70.7       | 72.9       | 73.8        | 74.5        |       |  |  |
|   | <b>DIMENSIONS AND WEIGHT</b>                             |              |            |            |            |            |            |            |            |            |            |            |            |             |             |       |  |  |
|   | LENGTH   | mm           | 4050       | 4050       | 5000       | 5000       | 5000       | 5950       | 5950       | 6900       | 7850       | 7850       | 8800       | 10700       | 11650       |       |  |  |
|   | WIDTH  | mm           | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210       | 2210        | 2210        |       |  |  |
| HEIGHT  | mm   | 2450         | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450       | 2450        |             |       |  |  |
| WEIGHT EMPTY FOR STANDARD CONFIGURATION (3)                   | kg   | 3900         | 4200       | 4800       | 4800       | 4800       | 5500       | 5500       | 6300       | 7800       | 7800       | 9200       | 10300      | 11300       |             |       |  |  |
| WEIGHT OPERATIVE FOR STANDARD CONFIGURATION (3)               | kg   | 4060         | 4370       | 5000       | 5000       | 5000       | 5720       | 5720       | 6590       | 7700       | 7700       | 9550       | 10680      | 11690       |             |       |  |  |

The manufacturer reserves the right to modify specifications without notice.

Updated on 01/12/2016

Data referred to:

(1) Inlet/Outlet water temperature = +12/+7 °C; fouling factor = 0.000043 m²K/W.

(2) Sound pressure level referred to measures according to normative ISO3744, pressure level at distance of 10 m, referred to free field on reflecting surface.

(3) Standard chiller configuration includes shell and tube evaporator, brazed-plate economizers, condenser with copper tubes and aluminium finned core, axial fans, without tank and without pump.

**NOTE:**

This table summarizes the main differences with standard models (the other parameters are similar to EET without significant changes) .