

## Model

|             |                 |                         |                         |             |                 |
|-------------|-----------------|-------------------------|-------------------------|-------------|-----------------|
| Designation | <b>NLE10CNT</b> | <b>208-230V/60Hz 1~</b> | <b>220-230V/50Hz 1~</b> | Sales code: | <b>105H6179</b> |
|-------------|-----------------|-------------------------|-------------------------|-------------|-----------------|

## Compressor design

|                            |                                 |                       |                                  |
|----------------------------|---------------------------------|-----------------------|----------------------------------|
| Oil type                   | Polyolester                     | Refrigerant(s)        | <b>R290</b>                      |
| Oil viscosity              | 32cSt                           | Displacement          | 10,09cm <sup>3</sup> / 0,62cu.in |
| Oil quantity               | 270cm <sup>3</sup> / 9,1fl.oz   | Compressors on pallet | 80                               |
| Refr. charge - tech. limit | 150g / 5,3oz                    |                       |                                  |
| Free gas volume comp.      | 2360cm <sup>3</sup> / 79,8fl.oz |                       |                                  |
| Weight                     | 11,8kg / 26lbs                  |                       |                                  |
| Motor protection           | 1# internal                     |                       |                                  |
| Winding resistance main    | 4,47Ω (at 25°C)                 |                       |                                  |
| Winding resistance aux     | 18,69Ω (at 25°C)                |                       |                                  |
| Max. winding temp.         | 125°C / 257°F                   |                       |                                  |
| Max. discharge temp.       | 120°C / 248°F                   |                       |                                  |



## General - Configurations with NLE10CNT

|                        | <b>Conf. 1</b>                                                                                    | <b>Conf. 2</b> | <b>Conf. 3</b> | <b>Conf. 4</b> | <b>Conf. 5</b> |
|------------------------|---------------------------------------------------------------------------------------------------|----------------|----------------|----------------|----------------|
| Motorconfiguration     | CSIR                                                                                              | CSIR           | RSIR           | RSCR           | RSCR           |
| Power supply (nominal) | 208-230V/60Hz                                                                                     | 220-230V/50Hz  | 220-230V/50Hz  | 208-230V/60Hz  | 220-230V/50Hz  |
| Number of phases       | 1                                                                                                 | 1              | 1              | 1              | 1              |
| Voltage range          | 187-253V                                                                                          | 187-242V       | 187-242V       | 187-253V       | 187-242V       |
| Approvals              | UL, CB                                                                                            | UL, CB         | UL, CB         | UL, CB         | UL, CB         |
| Starting torque        | HST                                                                                               | HST            | LST            | LST            | LST            |
| Note                   | Important !! CSIR configuration uses different relays for 50Hz and 60Hz. Check accessories table. |                |                |                |                |

## Applications with NLE10CNT

|                         | <b>Conf. 1</b> | <b>Conf. 2</b> | <b>Conf. 3</b> | <b>Conf. 4</b> | <b>Conf. 5</b> |
|-------------------------|----------------|----------------|----------------|----------------|----------------|
| Refrigerant             | R290           | R290           | R290           | R290           | R290           |
| Application             | LBP+MBP        | LBP+MBP        | LBP+MBP        | LBP+MBP        | LBP+MBP        |
| System cooling          | fan 3m/s       | fan 3m/s       | fan 3m/s       | fan 3m/s       | fan 3m/s       |
| Hot gas defrost         | OK             | OK             | OK             | OK             | OK             |
| Long interval pull down | OK             | OK             | OK             | OK             | OK             |

## Electrical data - Configurations with NLE10CNT

|                              | <b>Conf. 1</b> | <b>Conf. 2</b> | <b>Conf. 3</b> | <b>Conf. 4</b> | <b>Conf. 5</b> |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Starting device type         | relay          | relay          | PTC            | PTC            | PTC            |
| Run capacitor                | -/-            | -/-            | -/-            | 4μF            | 4μF            |
| Start capacitor              | 60μF           | 60μF           | -/-            | -/-            | -/-            |
| LRA (locked rotor amps / 4s) | 17,1A          | 17,1A          | 16,6A          | 15,8A          | 16,6A          |
| RLA (rated load amps / 1s)   | 2,4A           | 3,4A           | 3,4A           | 2,3A           | 3A             |
| Cut in current               | 17,1A          | 17,1A          | 20,7A          | 19,6A          | 20,7A          |
| IP class                     | 21             | 21             | 21             | 21             | 21             |

## Model

Designation

**NLE10CNT**

208-230V/60Hz 1~ 220-230V/50Hz 1~

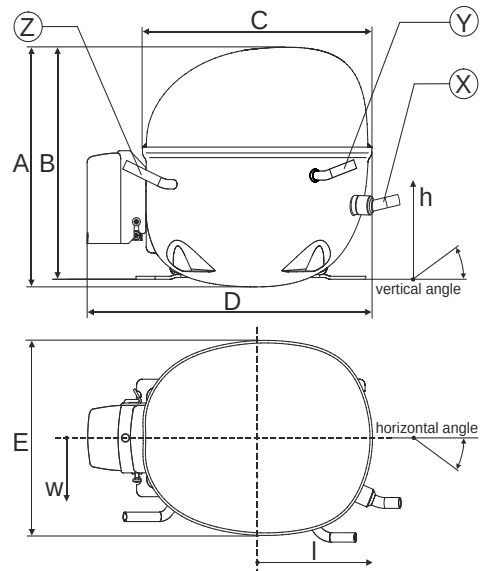
Sales code:

**105H6179**

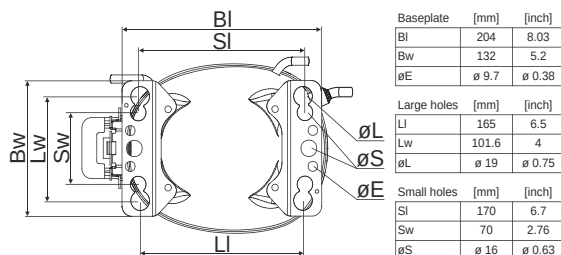
## Compressor dimensions

|                |                   |                |
|----------------|-------------------|----------------|
| <b>Housing</b> | A Height          | 203mm / 7,99in |
|                | B Height          | 197mm / 7,76in |
|                | C Length shell    | 205mm / 8,07in |
|                | D Length w. cover | 254mm / 10in   |
|                | E Width           | 166mm / 6,54in |

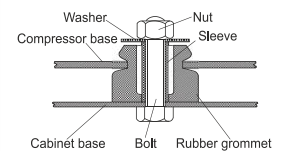
| Connectors                 | Suction<br>X | Discharge<br>Y | Process<br>Z |
|----------------------------|--------------|----------------|--------------|
| Diameter [mm]              | øi 8,11-8,29 | øi 6,41-6,59   | øi 6,41-6,59 |
| (i:inside, o:outside) [in] | øi 0,32-0,33 | øi 0,25-0,26   | øi 0,25-0,26 |
| Material                   | copper       | copper         | copper       |
| Horizontal angle ±2°       | 0°           | 0°             | 0°           |
| Vertical angle ±2°         | 15°          | 21°            | 155°         |
| Position l/h/w [mm]        | 132/69/56    | 94/99/86       | -111/92/72   |
| [in]                       | 5,2/2,7/2,2  | 3,7/3,9/3,4    | -4,4/3,6/2,8 |
| Straight tube l. [mm]      | 12           | 12             | 12           |
| [in]                       | 0,5          | 0,5            | 0,5          |



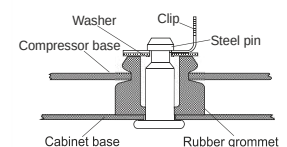
## Compressor fixation



### Bolt joint



### Snap-on



## Mounting accessories

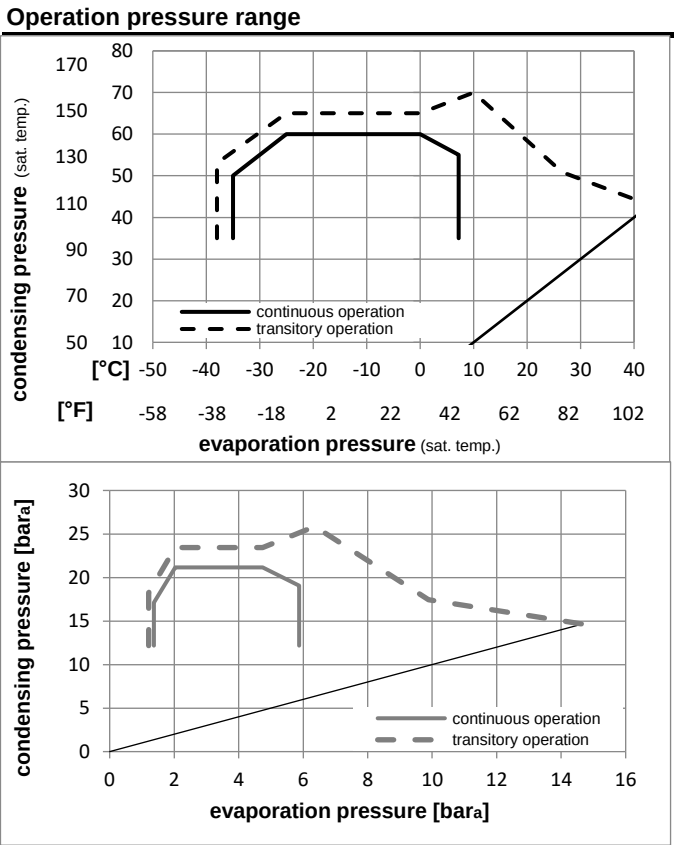
|                            | one comp. | multi pack |
|----------------------------|-----------|------------|
| Bolt joint   M6   ø16mm    | 118-1917  | 118-1918   |
| Bolt joint   ø1/4"   ø16mm | 118-1946  |            |
| Bolt joint   ø1/4"   ø19mm | 118-1949  |            |
| Snap-on   ø7,3   ø16mm     | 118-1947  | 118-1919   |

| Model       |          |               |         |                      |
|-------------|----------|---------------|---------|----------------------|
| Designation | NLE10CNT | 208-230V/60Hz | Conf. 1 | Sales code: 105H6179 |

| Configuration          |                  | Electrical accessories / wiring diagram |  |  |
|------------------------|------------------|-----------------------------------------|--|--|
| Motorconfiguration     | CSIR             | <div>CSIR</div>                         |  |  |
| Power supply (nominal) | 208-230V/60Hz 1~ |                                         |  |  |
| Refrigerant            | R290             |                                         |  |  |
| Application            | LBP+MBP          |                                         |  |  |
| Voltage range          | 187-253V         |                                         |  |  |
| Starting torque        | HST              |                                         |  |  |
| Approvals              | UL      SA3693   |                                         |  |  |
|                        | CB               |                                         |  |  |

| Ambient temperatures / system cooling |              |
|---------------------------------------|--------------|
| Ambient temperature min.:             | 10°C / 50°F  |
| Ambient temperature max.:             | 43°C / 110°F |

| System cooling (n/a: outside limits) |          |          |     |
|--------------------------------------|----------|----------|-----|
| T ambient                            | LBP      | MBP      | HBP |
| 32°C / 90°F                          | fan 3m/s | fan 3m/s | n/a |
| 38°C / 100°F                         | fan 3m/s | fan 3m/s | n/a |
| 43°C / 110°F                         | fan 3m/s | fan 3m/s | n/a |



| Components |                        |          |
|------------|------------------------|----------|
| a2         | current relay          | 117U7050 |
| c          | start capacitor (60μF) | 117U5014 |
| b          | plastic cover          | 103N2011 |
| d          | cord relief            | 103N1010 |

## Model

|             |          |               |         |             |          |
|-------------|----------|---------------|---------|-------------|----------|
| Designation | NLE10CNT | 208-230V/60Hz | Conf. 1 | Sales code: | 105H6179 |
|-------------|----------|---------------|---------|-------------|----------|

## Optimization + standard conditions

208-230V/60Hz 1~, CSIR, fan 3m/s, UL, CB

| <div> <div>Evaporating pressure (saturation temperature)</div> <div>Condensing pressure (saturation temperature)</div> <div>Return gas temp.</div> <div>Liquid temp.</div> <div>Cooling capacity</div> <div>COP</div> <div>EER</div> <div>Power consumption</div> <div>Current consumption</div> <div>Ref. mass flow</div> </div> |      |      |      |        |         |          |       |          |           |       |      |        |        |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|--------|---------|----------|-------|----------|-----------|-------|------|--------|--------|-----|
| pe                                                                                                                                                                                                                                                                                                                                | pc   | RGT  | Tliq | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | P1    | I    | m      |        |     |
| [°C]                                                                                                                                                                                                                                                                                                                              | [°C] |      |      |        |         |          |       |          |           | [W]   | [A]  | [kg/h] |        |     |
| [°F]                                                                                                                                                                                                                                                                                                                              | [°F] |      |      |        |         |          |       |          |           |       |      |        | ASHRAE | LBP |
| -23,3                                                                                                                                                                                                                                                                                                                             | 54,4 | 32,2 | 32,2 | 605,9  | 2069    | 521,4    | 1,63  | 5,57     | 1,40      | 371,6 | 2,36 | 6,14   |        |     |
| -10                                                                                                                                                                                                                                                                                                                               | 130  | 90   | 90   |        |         |          |       |          |           |       |      |        |        |     |
| -25                                                                                                                                                                                                                                                                                                                               | 55   | 32   | 55   | 451,9  | 1543    | 388,9    | 1,27  | 4,32     | 1,09      | 357,0 | 2,31 | 5,63   |        |     |
| -13                                                                                                                                                                                                                                                                                                                               | 131  | 89,6 | 131  |        |         |          |       |          |           |       |      |        |        |     |
| -35                                                                                                                                                                                                                                                                                                                               | 40   | 20   | 40   | 346,5  | 1183    | 298,2    | 1,29  | 4,40     | 1,11      | 268,7 | 2,06 | 3,96   |        |     |
| -31                                                                                                                                                                                                                                                                                                                               | 104  | 68   | 104  |        |         |          |       |          |           |       |      |        |        |     |
| -6,66                                                                                                                                                                                                                                                                                                                             | 54,4 | 35   | 46,1 | 1077,8 | 3681    | 927,6    | 2,10  | 7,17     | 1,81      | 513,4 | 2,86 | 12,29  |        |     |
| 20                                                                                                                                                                                                                                                                                                                                | 130  | 95   | 115  |        |         |          |       |          |           |       |      |        |        |     |
| -10                                                                                                                                                                                                                                                                                                                               | 55   | 32   | 55   | 859,9  | 2937    | 740,1    | 1,76  | 6,01     | 1,51      | 488,7 | 2,77 | 10,88  |        |     |
| 14                                                                                                                                                                                                                                                                                                                                | 131  | 89,6 | 131  |        |         |          |       |          |           |       |      |        |        |     |
| -10                                                                                                                                                                                                                                                                                                                               | 45   | 20   | 45   | 947,0  | 3234    | 815,0    | 2,12  | 7,23     | 1,82      | 447,6 | 2,61 | 11,63  |        |     |
| 14                                                                                                                                                                                                                                                                                                                                | 113  | 68   | 113  |        |         |          |       |          |           |       |      |        |        |     |

## Performance tables

208-230V/60Hz 1~, CSIR, fan 3m/s, UL, CB

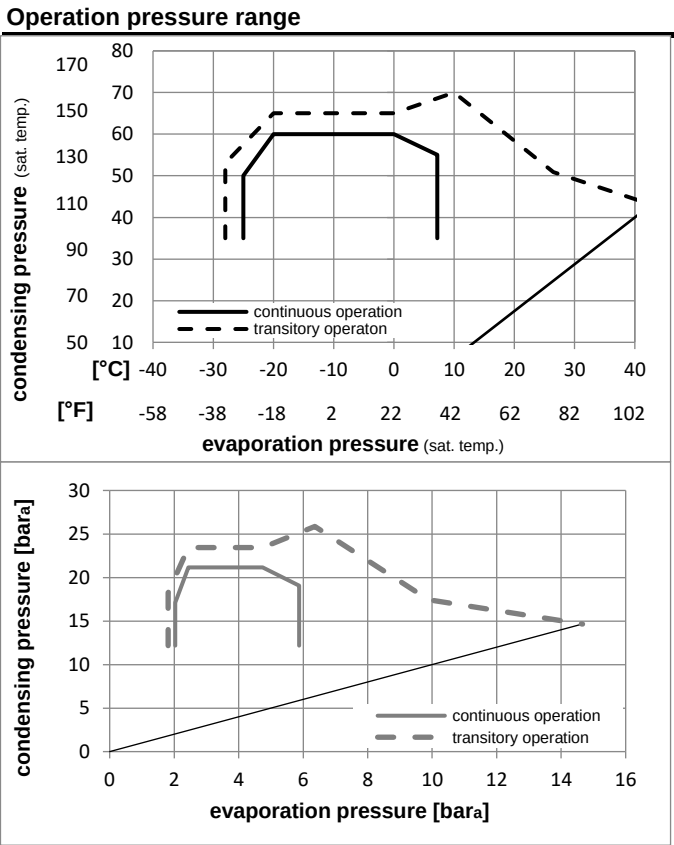
|                  | pe    | Cooling capacity |        |         | COP      |       | EER      |           |  | P1    | I    | m      |  |  |
|------------------|-------|------------------|--------|---------|----------|-------|----------|-----------|--|-------|------|--------|--|--|
|                  | [°C]  | [°F]             | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] |  | [W]   | [A]  | [kg/h] |  |  |
| [°C / °F]        | -35   | -31              | 330,1  | 1127    | 284,1    | 1,21  | 4,15     | 1,04      |  | 271,9 | 2,06 | 3,70   |  |  |
| cond. pressure   | -23,3 | -10              | 576,1  | 1968    | 495,8    | 1,62  | 5,53     | 1,39      |  | 356,0 | 2,31 | 6,51   |  |  |
| pc= 45/113       | -15   | 5                | 814,7  | 2782    | 701,1    | 1,96  | 6,71     | 1,69      |  | 414,7 | 2,50 | 9,27   |  |  |
| return gas temp. | -9,4  | 15               | 1006,2 | 3437    | 866,0    | 2,23  | 7,62     | 1,92      |  | 451,1 | 2,63 | 11,52  |  |  |
| RGT= 32/90       | -3,9  | 25               | 1225,8 | 4186    | 1055,0   | 2,53  | 8,65     | 2,18      |  | 484,0 | 2,75 | 14,14  |  |  |
| liquid temp      | 0     | 32               | 1397,1 | 4771    | 1202,4   | 2,77  | 9,46     | 2,38      |  | 504,5 | 2,82 | 16,21  |  |  |
| Tliq= 45/113     | 7,2   | 45               | 1756,1 | 5997    | 1511,3   | 3,28  | 11,20    | 2,82      |  | 535,3 | 2,95 | 20,63  |  |  |
| [°C / °F]        | -35   | -31              | 257,8  | 881     | 221,9    | 0,96  | 3,29     | 0,83      |  | 267,5 | 2,03 | 3,19   |  |  |
| cond. pressure   | -23,3 | -10              | 489,9  | 1673    | 421,6    | 1,32  | 4,50     | 1,13      |  | 372,1 | 2,36 | 6,11   |  |  |
| pc= 55/131       | -15   | 5                | 706,6  | 2413    | 608,1    | 1,58  | 5,41     | 1,36      |  | 446,2 | 2,61 | 8,88   |  |  |
| return gas temp  | -9,4  | 15               | 878,1  | 2999    | 755,7    | 1,78  | 6,08     | 1,53      |  | 493,3 | 2,78 | 11,12  |  |  |
| RGT= 32/90       | -3,9  | 25               | 1073,2 | 3665    | 923,6    | 2,00  | 6,82     | 1,72      |  | 537,3 | 2,95 | 13,70  |  |  |
| liquid temp      | 0     | 32               | 1224,8 | 4183    | 1054,0   | 2,17  | 7,39     | 1,86      |  | 565,7 | 3,06 | 15,73  |  |  |
| Tliq= 55/131     | 7,2   | 45               | 1541,3 | 5264    | 1326,5   | 2,52  | 8,61     | 2,17      |  | 611,7 | 3,25 | 20,08  |  |  |

| Model       |          |               |         |                      |
|-------------|----------|---------------|---------|----------------------|
| Designation | NLE10CNT | 220-230V/50Hz | Conf. 2 | Sales code: 105H6179 |

| Configuration          |                  | Electrical accessories / wiring diagram |  |  |
|------------------------|------------------|-----------------------------------------|--|--|
| Motorconfiguration     | CSIR             | <div>CSIR</div>                         |  |  |
| Power supply (nominal) | 220-230V/50Hz 1~ |                                         |  |  |
| Refrigerant            | R290             |                                         |  |  |
| Application            | LBP+MBP          |                                         |  |  |
| Voltage range          | 187-242V         |                                         |  |  |
| Starting torque        | HST              |                                         |  |  |
| Approvals              | UL      SA3693   |                                         |  |  |
|                        | CB               |                                         |  |  |

| Ambient temperatures / system cooling |              |
|---------------------------------------|--------------|
| Ambient temperature min.:             | 10°C / 50°F  |
| Ambient temperature max.:             | 43°C / 110°F |

| System cooling (n/a: outside limits) |          |          |     |
|--------------------------------------|----------|----------|-----|
| T ambient                            | LBP      | MBP      | HBP |
| 32°C / 90°F                          | fan 3m/s | fan 3m/s | n/a |
| 38°C / 100°F                         | fan 3m/s | fan 3m/s | n/a |
| 43°C / 110°F                         | fan 3m/s | fan 3m/s | n/a |



| Components |                        |          |
|------------|------------------------|----------|
| a2         | current relay          | 117U7019 |
| c          | start capacitor (60μF) | 117U5014 |
| b          | plastic cover          | 103N2011 |
| d          | cord relief            | 103N1010 |

## Model

|             |          |               |         |             |          |
|-------------|----------|---------------|---------|-------------|----------|
| Designation | NLE10CNT | 220-230V/50Hz | Conf. 2 | Sales code: | 105H6179 |
|-------------|----------|---------------|---------|-------------|----------|

## Optimization + standard conditions

220-230V/50Hz 1~, CSIR, fan 3m/s, UL, CB

| Evaporating pressure (saturation temperature) |       |      |      |      |       |         |          |       |          |           |       |      |       |
|-----------------------------------------------|-------|------|------|------|-------|---------|----------|-------|----------|-----------|-------|------|-------|
| Condensing pressure (saturation temperature)  |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Return gas temp.                              |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Liquid temp.                                  |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Cooling capacity                              |       |      |      |      |       |         |          |       |          |           |       |      |       |
| COP                                           |       |      |      |      |       |         |          |       |          |           |       |      |       |
| EER                                           |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Power consumption                             |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Current consumption                           |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Ref. mass flow                                |       |      |      |      |       |         |          |       |          |           |       |      |       |
|                                               | pe    | pc   | RGT  | Tliq | [W]   | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | P1    | I    | m     |
| [°C]                                          | -23,3 | 54,4 | 32,2 | 32,2 |       |         |          |       |          |           |       |      |       |
| [°F]                                          | -10   | 130  | 90   | 90   | 509,6 | 1740    | 438,6    | 1,49  | 5,08     | 1,28      | 342,4 | 2,73 | 5,16  |
| ASHRAE LBP                                    |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -25   | 55   | 32   | 55   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | -13   | 131  | 89,6 | 131  | 380,1 | 1298    | 327,1    | 1,16  | 3,95     | 1,00      | 328,7 | 2,68 | 4,73  |
| cecomaf LBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -35   | 40   | 20   | 40   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | -31   | 104  | 68   | 104  | 291,4 | 995     | 250,7    | 1,19  | 4,05     | 1,02      | 245,6 | 2,40 | 3,33  |
| EN12900 LBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -6,66 | 54,4 | 35   | 46,1 |       |         |          |       |          |           |       |      |       |
| [°F]                                          | 20    | 130  | 95   | 115  | 907,2 | 3098    | 780,7    | 1,92  | 6,56     | 1,65      | 472,3 | 3,25 | 10,35 |
| ASHRAE MBP                                    |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -10   | 55   | 32   | 55   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | 14    | 131  | 89,6 | 131  | 723,8 | 2472    | 622,9    | 1,61  | 5,49     | 1,38      | 450,2 | 3,16 | 9,16  |
| cecomaf MBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -10   | 45   | 20   | 45   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | 14    | 113  | 68   | 113  | 795,4 | 2717    | 684,6    | 1,95  | 6,68     | 1,68      | 406,9 | 2,97 | 9,77  |
| EN12900 MBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |

## Performance tables

220-230V/50Hz 1~, CSIR, fan 3m/s, UL, CB

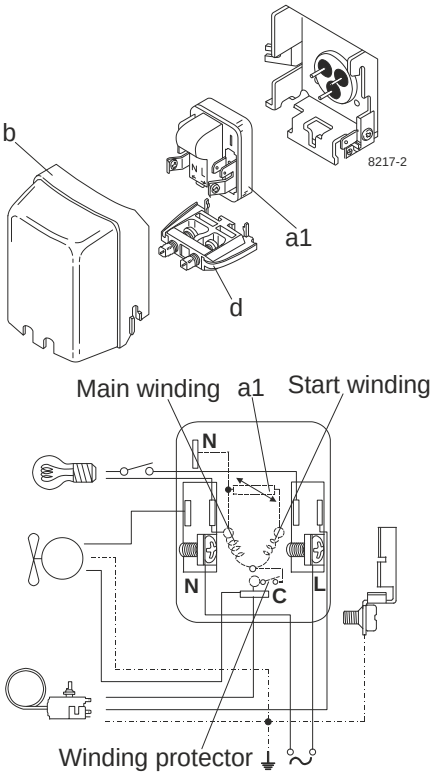
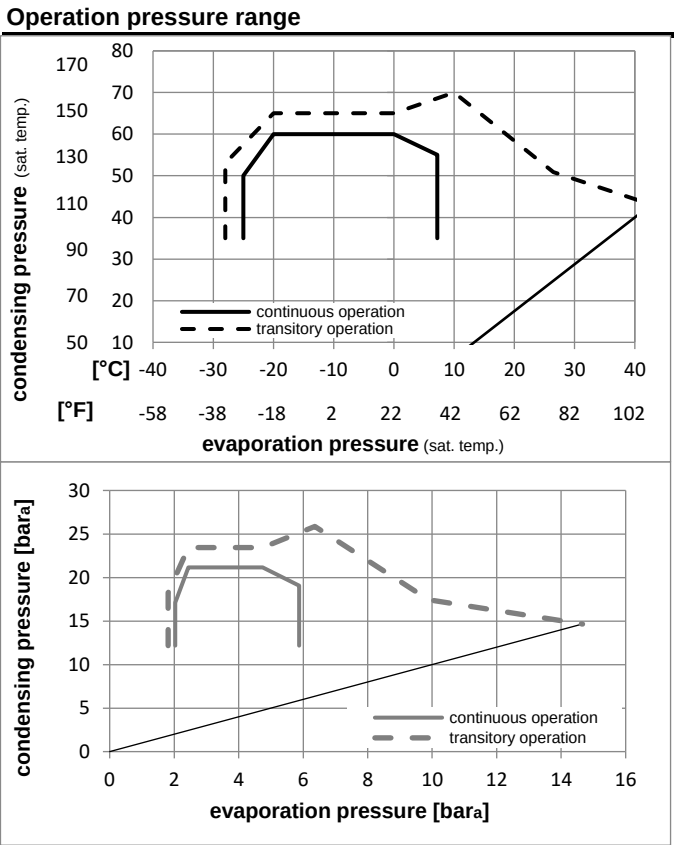
|                  | pe    | Cooling capacity |        |         | COP      |       | EER      |           |       | P1   |        | I | m |
|------------------|-------|------------------|--------|---------|----------|-------|----------|-----------|-------|------|--------|---|---|
|                  | [°C]  | [°F]             | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]   | [A]  | [kg/h] |   |   |
| [°C / °F]        | -25   | -13              | 449,0  | 1534    | 386,4    | 1,43  | 4,88     | 1,23      | 314,5 | 2,62 | 5,06   |   |   |
| cond. pressure   | -23,3 | -10              | 483,6  | 1651    | 416,2    | 1,49  | 5,08     | 1,28      | 325,3 | 2,66 | 5,46   |   |   |
| pc= 45/113       | -15   | 5                | 684,1  | 2336    | 588,7    | 1,81  | 6,18     | 1,56      | 377,7 | 2,85 | 7,78   |   |   |
| return gas temp. | -9,4  | 15               | 845,2  | 2887    | 727,4    | 2,06  | 7,04     | 1,77      | 410,0 | 2,98 | 9,68   |   |   |
| RGT= 32/90       | -3,9  | 25               | 1030,0 | 3518    | 886,5    | 2,34  | 8,01     | 2,02      | 439,3 | 3,10 | 11,88  |   |   |
| liquid temp      | 0     | 32               | 1174,2 | 4010    | 1010,5   | 2,57  | 8,77     | 2,21      | 457,4 | 3,18 | 13,62  |   |   |
| Tliq= 45/113     | 7,2   | 45               | 1476,2 | 5041    | 1270,4   | 3,04  | 10,39    | 2,62      | 485,1 | 3,30 | 17,34  |   |   |
| [°C / °F]        | -25   | -13              | 380,1  | 1298    | 327,1    | 1,16  | 3,95     | 1,00      | 328,7 | 2,68 | 4,73   |   |   |
| cond. pressure   | -23,3 | -10              | 412,1  | 1407    | 354,6    | 1,20  | 4,11     | 1,03      | 342,8 | 2,73 | 5,14   |   |   |
| pc= 55/131       | -15   | 5                | 594,7  | 2031    | 511,8    | 1,45  | 4,94     | 1,24      | 411,4 | 3,00 | 7,48   |   |   |
| return gas temp  | -9,4  | 15               | 739,1  | 2524    | 636,1    | 1,63  | 5,56     | 1,40      | 454,3 | 3,18 | 9,36   |   |   |
| RGT= 32/90       | -3,9  | 25               | 903,3  | 3085    | 777,4    | 1,83  | 6,25     | 1,57      | 494,0 | 3,35 | 11,53  |   |   |
| liquid temp      | 0     | 32               | 1030,7 | 3520    | 887,0    | 1,98  | 6,78     | 1,71      | 519,3 | 3,46 | 13,24  |   |   |
| Tliq= 55/131     | 7,2   | 45               | 1296,5 | 4428    | 1115,7   | 2,31  | 7,91     | 1,99      | 560,1 | 3,65 | 16,89  |   |   |

|             |          |               |         |                      |
|-------------|----------|---------------|---------|----------------------|
| Model       |          |               |         |                      |
| Designation | NLE10CNT | 220-230V/50Hz | Conf. 3 | Sales code: 105H6179 |

| Configuration          |                  | Electrical accessories / wiring diagram |  |  |
|------------------------|------------------|-----------------------------------------|--|--|
| Motorconfiguration     | RSIR             | RSIR                                    |  |  |
| Power supply (nominal) | 220-230V/50Hz 1~ |                                         |  |  |
| Refrigerant            | R290             |                                         |  |  |
| Application            | LBP+MBP          |                                         |  |  |
| Voltage range          | 187-242V         |                                         |  |  |
| Starting torque        | LST              |                                         |  |  |
| Approvals              | UL      SA3693   |                                         |  |  |
|                        | CB               |                                         |  |  |

| Ambient temperatures / system cooling |              |
|---------------------------------------|--------------|
| Ambient temperature min.:             | 10°C / 50°F  |
| Ambient temperature max.:             | 43°C / 110°F |

| System cooling (n/a: outside limits) |          |          |     |
|--------------------------------------|----------|----------|-----|
| T ambient                            | LBP      | MBP      | HBP |
| 32°C / 90°F                          | fan 3m/s | fan 3m/s | n/a |
| 38°C / 100°F                         | fan 3m/s | fan 3m/s | n/a |
| 43°C / 110°F                         | fan 3m/s | fan 3m/s | n/a |



| Components |                                    |          |
|------------|------------------------------------|----------|
| a1         | e-PTC starter (220V, 25Ohm, 4.8mm) | 103N0050 |
| b          | plastic cover                      | 103N2011 |
| d          | cord relief                        | 103N1010 |

## Model

|             |          |               |         |             |          |
|-------------|----------|---------------|---------|-------------|----------|
| Designation | NLE10CNT | 220-230V/50Hz | Conf. 3 | Sales code: | 105H6179 |
|-------------|----------|---------------|---------|-------------|----------|

## Optimization + standard conditions

220-230V/50Hz 1~, RSIR, fan 3m/s, UL, CB

| Evaporating pressure (saturation temperature) |       |      |      |      |       |         |          |       |          |           |       |      |       |
|-----------------------------------------------|-------|------|------|------|-------|---------|----------|-------|----------|-----------|-------|------|-------|
| Condensing pressure (saturation temperature)  |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Return gas temp.                              |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Liquid temp.                                  |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Cooling capacity                              |       |      |      |      |       |         |          |       |          |           |       |      |       |
| COP                                           |       |      |      |      |       |         |          |       |          |           |       |      |       |
| EER                                           |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Power consumption                             |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Current consumption                           |       |      |      |      |       |         |          |       |          |           |       |      |       |
| Ref. mass flow                                |       |      |      |      |       |         |          |       |          |           |       |      |       |
|                                               | pe    | pc   | RGT  | Tliq | [W]   | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | P1    | I    | m     |
| [°C]                                          | -23,3 | 54,4 | 32,2 | 32,2 |       |         |          |       |          |           |       |      |       |
| [°F]                                          | -10   | 130  | 90   | 90   | 509,6 | 1740    | 438,6    | 1,49  | 5,08     | 1,28      | 342,4 | 2,73 | 5,16  |
| ASHRAE LBP                                    |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -25   | 55   | 32   | 55   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | -13   | 131  | 89,6 | 131  | 380,1 | 1298    | 327,1    | 1,16  | 3,95     | 1,00      | 328,7 | 2,68 | 4,73  |
| cecomaf LBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -35   | 40   | 20   | 40   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | -31   | 104  | 68   | 104  | 291,4 | 995     | 250,7    | 1,19  | 4,05     | 1,02      | 245,6 | 2,40 | 3,33  |
| EN12900 LBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -6,66 | 54,4 | 35   | 46,1 |       |         |          |       |          |           |       |      |       |
| [°F]                                          | 20    | 130  | 95   | 115  | 907,2 | 3098    | 780,7    | 1,92  | 6,56     | 1,65      | 472,3 | 3,25 | 10,35 |
| ASHRAE MBP                                    |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -10   | 55   | 32   | 55   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | 14    | 131  | 89,6 | 131  | 723,8 | 2472    | 622,9    | 1,61  | 5,49     | 1,38      | 450,2 | 3,16 | 9,16  |
| cecomaf MBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |
| [°C]                                          | -10   | 45   | 20   | 45   |       |         |          |       |          |           |       |      |       |
| [°F]                                          | 14    | 113  | 68   | 113  | 795,4 | 2717    | 684,6    | 1,95  | 6,68     | 1,68      | 406,9 | 2,97 | 9,77  |
| EN12900 MBP                                   |       |      |      |      |       |         |          |       |          |           |       |      |       |

## Performance tables

220-230V/50Hz 1~, RSIR, fan 3m/s, UL, CB

|                  | pe    | Cooling capacity |        |         | COP      |       |          | EER       |       |      | P1     | I | m |
|------------------|-------|------------------|--------|---------|----------|-------|----------|-----------|-------|------|--------|---|---|
|                  | [°C]  | [°F]             | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]   | [A]  | [kg/h] |   |   |
| [°C / °F]        | -25   | -13              | 449,0  | 1534    | 386,4    | 1,43  | 4,88     | 1,23      | 314,5 | 2,62 | 5,06   |   |   |
| cond. pressure   | -23,3 | -10              | 483,6  | 1651    | 416,2    | 1,49  | 5,08     | 1,28      | 325,3 | 2,66 | 5,46   |   |   |
| pc= 45/113       | -15   | 5                | 684,1  | 2336    | 588,7    | 1,81  | 6,18     | 1,56      | 377,7 | 2,85 | 7,78   |   |   |
| return gas temp. | -9,4  | 15               | 845,2  | 2887    | 727,4    | 2,06  | 7,04     | 1,77      | 410,0 | 2,98 | 9,68   |   |   |
| RGT= 32/90       | -3,9  | 25               | 1030,0 | 3518    | 886,5    | 2,34  | 8,01     | 2,02      | 439,3 | 3,10 | 11,88  |   |   |
| liquid temp      | 0     | 32               | 1174,2 | 4010    | 1010,5   | 2,57  | 8,77     | 2,21      | 457,4 | 3,18 | 13,62  |   |   |
| Tliq= 45/113     | 7,2   | 45               | 1476,2 | 5041    | 1270,4   | 3,04  | 10,39    | 2,62      | 485,1 | 3,30 | 17,34  |   |   |
| [°C / °F]        | -25   | -13              | 380,1  | 1298    | 327,1    | 1,16  | 3,95     | 1,00      | 328,7 | 2,68 | 4,73   |   |   |
| cond. pressure   | -23,3 | -10              | 412,1  | 1407    | 354,6    | 1,20  | 4,11     | 1,03      | 342,8 | 2,73 | 5,14   |   |   |
| pc= 55/131       | -15   | 5                | 594,7  | 2031    | 511,8    | 1,45  | 4,94     | 1,24      | 411,4 | 3,00 | 7,48   |   |   |
| return gas temp  | -9,4  | 15               | 739,1  | 2524    | 636,1    | 1,63  | 5,56     | 1,40      | 454,3 | 3,18 | 9,36   |   |   |
| RGT= 32/90       | -3,9  | 25               | 903,3  | 3085    | 777,4    | 1,83  | 6,25     | 1,57      | 494,0 | 3,35 | 11,53  |   |   |
| liquid temp      | 0     | 32               | 1030,7 | 3520    | 887,0    | 1,98  | 6,78     | 1,71      | 519,3 | 3,46 | 13,24  |   |   |
| Tliq= 55/131     | 7,2   | 45               | 1296,5 | 4428    | 1115,7   | 2,31  | 7,91     | 1,99      | 560,1 | 3,65 | 16,89  |   |   |

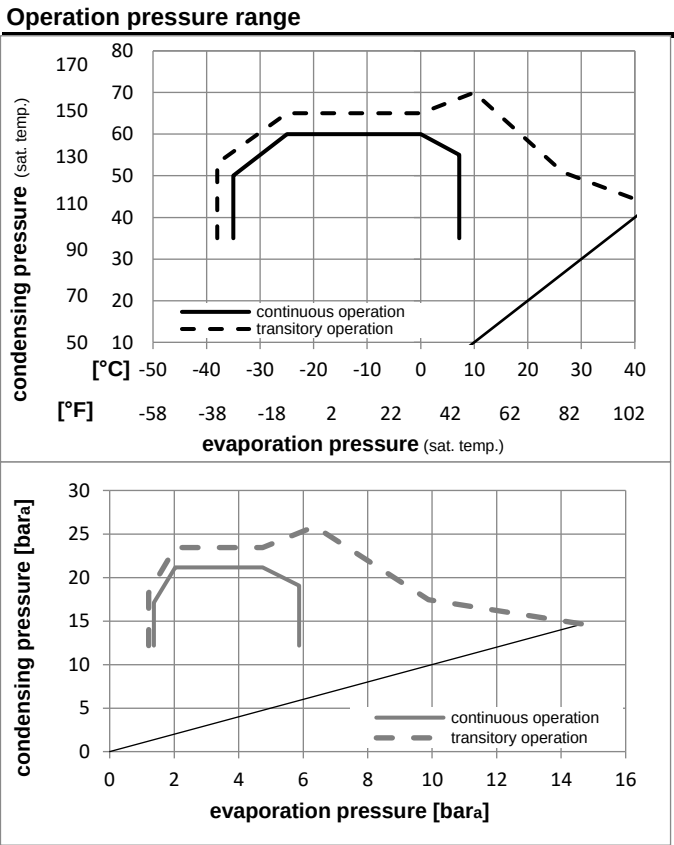


|             |          |               |         |                      |
|-------------|----------|---------------|---------|----------------------|
| Model       |          |               |         |                      |
| Designation | NLE10CNT | 208-230V/60Hz | Conf. 4 | Sales code: 105H6179 |

| Configuration          |                  | Electrical accessories / wiring diagram |  |  |
|------------------------|------------------|-----------------------------------------|--|--|
| Motorconfiguration     | RSCR             | <div> <div>RSCR</div> </div>            |  |  |
| Power supply (nominal) | 208-230V/60Hz 1~ |                                         |  |  |
| Refrigerant            | R290             |                                         |  |  |
| Application            | LBP+MBP          |                                         |  |  |
| Voltage range          | 187-253V         |                                         |  |  |
| Starting torque        | LST              |                                         |  |  |
| Approvals              | UL      SA3693   | <div> </div>                            |  |  |
|                        | CB               |                                         |  |  |

| Ambient temperatures / system cooling |              |
|---------------------------------------|--------------|
| Ambient temperature min.:             | 10°C / 50°F  |
| Ambient temperature max.:             | 43°C / 110°F |

| System cooling (n/a: outside limits) |          |          |     |
|--------------------------------------|----------|----------|-----|
| T ambient                            | LBP      | MBP      | HBP |
| 32°C / 90°F                          | fan 3m/s | fan 3m/s | n/a |
| 38°C / 100°F                         | fan 3m/s | fan 3m/s | n/a |
| 43°C / 110°F                         | fan 3m/s | fan 3m/s | n/a |



| Components |                                    |          |
|------------|------------------------------------|----------|
| a1         | e-PTC starter (220V, 25Ohm, 4.8mm) | 103N0050 |
| e          | run capacitor (4μF, 4.8mm)         | 117-7119 |
| b          | plastic cover                      | 103N2011 |
| d          | cord relief                        | 103N1010 |
|            | bracket for run capacitor          | 117-0300 |
|            | screw M4x8mm                       | 117-0301 |

## Model

|             |          |               |         |             |          |
|-------------|----------|---------------|---------|-------------|----------|
| Designation | NLE10CNT | 208-230V/60Hz | Conf. 4 | Sales code: | 105H6179 |
|-------------|----------|---------------|---------|-------------|----------|

## Optimization + standard conditions

208-230V/60Hz 1~, RSCR, fan 3m/s, UL, CB

| <div> <div>Evaporating pressure (saturation temperature)</div> <div> <div>Condensing pressure (saturation temperature)</div> <div> <div>Return gas temp.</div> <div>Liquid temp.</div> </div> </div> <div> <div>Cooling capacity</div> <div>COP</div> <div>EER</div> </div> <div> <div>Power consumption</div> <div> <div>Current consumption</div> <div>Ref. mass flow</div> </div> </div> </div> |      |      |      |        |         |          |       |          |           |       |      |        |         |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------|------|--------|---------|----------|-------|----------|-----------|-------|------|--------|---------|-----|
| pe                                                                                                                                                                                                                                                                                                                                                                                                 | pc   | RGT  | Tliq | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | P1    | I    | m      |         |     |
| [°C]                                                                                                                                                                                                                                                                                                                                                                                               | [°C] |      |      |        |         |          |       |          |           | [W]   | [A]  | [kg/h] |         |     |
| -23,3                                                                                                                                                                                                                                                                                                                                                                                              | 54,4 | 32,2 | 32,2 | 614,9  | 2100    | 529,2    | 1,72  | 5,87     | 1,48      | 358,1 | 2,09 | 6,23   | ASHRAE  | LBP |
| [°F]                                                                                                                                                                                                                                                                                                                                                                                               | -10  | 130  | 90   |        |         |          |       |          |           |       |      |        |         |     |
| -25                                                                                                                                                                                                                                                                                                                                                                                                | 55   | 32   | 55   | 458,7  | 1567    | 394,8    | 1,33  | 4,55     | 1,15      | 344,0 | 2,05 | 5,71   | cecomaf | LBP |
| [°F]                                                                                                                                                                                                                                                                                                                                                                                               | -13  | 131  | 89,6 | 131    |         |          |       |          |           |       |      |        |         |     |
| -35                                                                                                                                                                                                                                                                                                                                                                                                | 40   | 20   | 40   | 351,7  | 1201    | 302,7    | 1,36  | 4,64     | 1,17      | 258,9 | 1,83 | 4,02   | EN12900 | LBP |
| [°F]                                                                                                                                                                                                                                                                                                                                                                                               | -31  | 104  | 68   | 104    |         |          |       |          |           |       |      |        |         |     |
| -6,66                                                                                                                                                                                                                                                                                                                                                                                              | 54,4 | 35   | 46,1 | 1094,0 | 3736    | 941,5    | 2,21  | 7,55     | 1,90      | 494,7 | 2,51 | 12,48  | ASHRAE  | MBP |
| [°F]                                                                                                                                                                                                                                                                                                                                                                                               | 20   | 130  | 95   | 115    |         |          |       |          |           |       |      |        |         |     |
| -10                                                                                                                                                                                                                                                                                                                                                                                                | 55   | 32   | 55   | 872,8  | 2981    | 751,2    | 1,85  | 6,33     | 1,59      | 470,9 | 2,44 | 11,04  | cecomaf | MBP |
| [°F]                                                                                                                                                                                                                                                                                                                                                                                               | 14   | 131  | 89,6 | 131    |         |          |       |          |           |       |      |        |         |     |
| -10                                                                                                                                                                                                                                                                                                                                                                                                | 45   | 20   | 45   | 961,2  | 3283    | 827,2    | 2,23  | 7,61     | 1,92      | 431,3 | 2,30 | 11,80  | EN12900 | MBP |
| [°F]                                                                                                                                                                                                                                                                                                                                                                                               | 14   | 113  | 68   | 113    |         |          |       |          |           |       |      |        |         |     |

## Performance tables

208-230V/60Hz 1~, RSCR, fan 3m/s, UL, CB

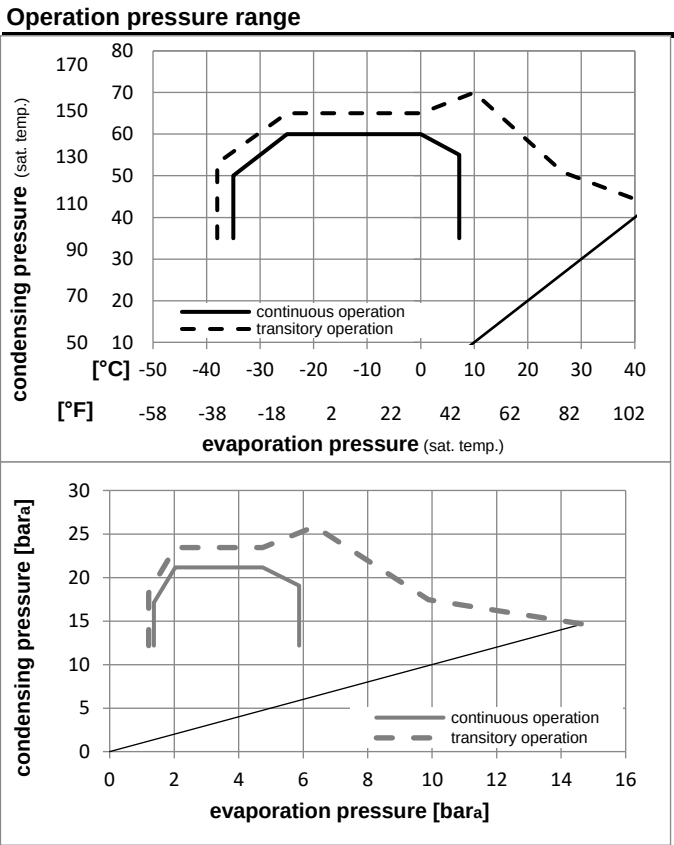
|                  | pe    | Cooling capacity |        |         |          | COP   | EER      |           | P1    | I    | m      |
|------------------|-------|------------------|--------|---------|----------|-------|----------|-----------|-------|------|--------|
|                  | [°C]  | [°F]             | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]   | [A]  | [kg/h] |
| [°C / °F]        | -35   | -31              | 335,0  | 1144    | 288,3    | 1,28  | 4,37     | 1,10      | 262,0 | 1,84 | 3,75   |
| cond. pressure   | -23,3 | -10              | 584,8  | 1997    | 503,3    | 1,70  | 5,82     | 1,47      | 343,1 | 2,04 | 6,60   |
| pc= 45/113       | -15   | 5                | 826,9  | 2824    | 711,7    | 2,07  | 7,07     | 1,78      | 399,6 | 2,21 | 9,41   |
| return gas temp. | -9,4  | 15               | 1021,3 | 3488    | 879,0    | 2,35  | 8,02     | 2,02      | 434,7 | 2,31 | 11,69  |
| RGT= 32/90       | -3,9  | 25               | 1244,2 | 4249    | 1070,8   | 2,67  | 9,11     | 2,30      | 466,4 | 2,41 | 14,35  |
| liquid temp      | 0     | 32               | 1418,1 | 4843    | 1220,4   | 2,92  | 9,96     | 2,51      | 486,1 | 2,48 | 16,45  |
| Tliq= 45/113     | 7,2   | 45               | 1782,5 | 6087    | 1534,0   | 3,46  | 11,80    | 2,97      | 515,8 | 2,58 | 20,94  |
| [°C / °F]        | -35   | -31              | 261,7  | 894     | 225,2    | 1,02  | 3,47     | 0,87      | 257,8 | 1,82 | 3,24   |
| cond. pressure   | -23,3 | -10              | 497,2  | 1698    | 427,9    | 1,39  | 4,74     | 1,19      | 358,5 | 2,09 | 6,20   |
| pc= 55/131       | -15   | 5                | 717,2  | 2449    | 617,3    | 1,67  | 5,70     | 1,44      | 430,0 | 2,31 | 9,02   |
| return gas temp  | -9,4  | 15               | 891,3  | 3044    | 767,0    | 1,87  | 6,40     | 1,61      | 475,4 | 2,45 | 11,28  |
| RGT= 32/90       | -3,9  | 25               | 1089,3 | 3720    | 937,5    | 2,10  | 7,19     | 1,81      | 517,8 | 2,59 | 13,90  |
| liquid temp      | 0     | 32               | 1243,1 | 4246    | 1069,9   | 2,28  | 7,79     | 1,96      | 545,1 | 2,69 | 15,97  |
| Tliq= 55/131     | 7,2   | 45               | 1564,4 | 5343    | 1346,4   | 2,65  | 9,06     | 2,28      | 589,4 | 2,84 | 20,38  |

| Model       |          |               |         |                      |
|-------------|----------|---------------|---------|----------------------|
| Designation | NLE10CNT | 220-230V/50Hz | Conf. 5 | Sales code: 105H6179 |

| Configuration          |                  | Electrical accessories / wiring diagram |  |  |
|------------------------|------------------|-----------------------------------------|--|--|
| Motorconfiguration     | RSCR             | <div> <div>RSCR</div> </div>            |  |  |
| Power supply (nominal) | 220-230V/50Hz 1~ |                                         |  |  |
| Refrigerant            | R290             |                                         |  |  |
| Application            | LBP+MBP          |                                         |  |  |
| Voltage range          | 187-242V         |                                         |  |  |
| Starting torque        | LST              |                                         |  |  |
| Approvals              | UL      SA3693   | <div> </div>                            |  |  |
|                        | CB               |                                         |  |  |

| Ambient temperatures / system cooling |              |
|---------------------------------------|--------------|
| Ambient temperature min.:             | 10°C / 50°F  |
| Ambient temperature max.:             | 43°C / 110°F |

| System cooling (n/a: outside limits) |          |          |     |
|--------------------------------------|----------|----------|-----|
| T ambient                            | LBP      | MBP      | HBP |
| 32°C / 90°F                          | fan 3m/s | fan 3m/s | n/a |
| 38°C / 100°F                         | fan 3m/s | fan 3m/s | n/a |
| 43°C / 110°F                         | fan 3m/s | fan 3m/s | n/a |



| Components |                                    |          |
|------------|------------------------------------|----------|
| a1         | e-PTC starter (220V, 250hm, 4.8mm) | 103N0050 |
| e          | run capacitor (4μF, 4.8mm)         | 117-7119 |
| b          | plastic cover                      | 103N2011 |
| d          | cord relief                        | 103N1010 |
|            | bracket for run capacitor          | 117-0300 |
|            | screw M4x8mm                       | 117-0301 |

## Model

|             |          |               |         |             |          |
|-------------|----------|---------------|---------|-------------|----------|
| Designation | NLE10CNT | 220-230V/50Hz | Conf. 5 | Sales code: | 105H6179 |
|-------------|----------|---------------|---------|-------------|----------|

## Optimization + standard conditions

220-230V/50Hz 1~, RSCR, fan 3m/s, UL, CB

| <div> <div>Evaporating pressure (saturation temperature)</div> <div>Condensing pressure (saturation temperature)</div> <div>Return gas temp.</div> <div>Liquid temp.</div> <div>Cooling capacity</div> <div>COP</div> <div>EER</div> <div>Power consumption</div> <div>Current consumption</div> <div>Ref. mass flow</div> </div> |       |      |      |      |       |         |          |       |          |           |       |      |        |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|------|------|-------|---------|----------|-------|----------|-----------|-------|------|--------|--|
|                                                                                                                                                                                                                                                                                                                                   | pe    | pc   | RGT  | Tliq | [W]   | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | P1    | I    | m      |  |
|                                                                                                                                                                                                                                                                                                                                   | [°C]  |      |      |      |       |         |          |       |          |           | [W]   | [A]  | [kg/h] |  |
| ASHRAE LBP                                                                                                                                                                                                                                                                                                                        | -23,3 | 54,4 | 32,2 | 32,2 | 518,0 | 1769    | 445,8    | 1,54  | 5,25     | 1,32      | 337,0 | 2,50 | 5,25   |  |
|                                                                                                                                                                                                                                                                                                                                   | [°F]  |      |      |      |       |         |          |       |          |           |       |      |        |  |
|                                                                                                                                                                                                                                                                                                                                   | -10   | 130  | 90   | 90   |       |         |          |       |          |           |       |      |        |  |
| cecomaf LBP                                                                                                                                                                                                                                                                                                                       | -25   | 55   | 32   | 55   | 386,2 | 1319    | 332,4    | 1,19  | 4,08     | 1,03      | 323,2 | 2,45 | 4,81   |  |
|                                                                                                                                                                                                                                                                                                                                   | [°F]  |      |      |      |       |         |          |       |          |           |       |      |        |  |
|                                                                                                                                                                                                                                                                                                                                   | -13   | 131  | 89,6 | 131  |       |         |          |       |          |           |       |      |        |  |
| EN12900 LBP                                                                                                                                                                                                                                                                                                                       | -35   | 40   | 20   | 40   | 296,2 | 1011    | 254,9    | 1,23  | 4,21     | 1,06      | 240,0 | 2,20 | 3,38   |  |
|                                                                                                                                                                                                                                                                                                                                   | [°F]  |      |      |      |       |         |          |       |          |           |       |      |        |  |
|                                                                                                                                                                                                                                                                                                                                   | -31   | 104  | 68   | 104  |       |         |          |       |          |           |       |      |        |  |
| ASHRAE MBP                                                                                                                                                                                                                                                                                                                        | -6,66 | 54,4 | 35   | 46,1 | 922,8 | 3151    | 794,1    | 1,99  | 6,79     | 1,71      | 464,0 | 2,98 | 10,53  |  |
|                                                                                                                                                                                                                                                                                                                                   | [°F]  |      |      |      |       |         |          |       |          |           |       |      |        |  |
|                                                                                                                                                                                                                                                                                                                                   | 20    | 130  | 95   | 115  |       |         |          |       |          |           |       |      |        |  |
| cecomaf MBP                                                                                                                                                                                                                                                                                                                       | -10   | 55   | 32   | 55   | 736,3 | 2514    | 633,6    | 1,66  | 5,68     | 1,43      | 442,8 | 2,89 | 9,31   |  |
|                                                                                                                                                                                                                                                                                                                                   | [°F]  |      |      |      |       |         |          |       |          |           |       |      |        |  |
|                                                                                                                                                                                                                                                                                                                                   | 14    | 131  | 89,6 | 131  |       |         |          |       |          |           |       |      |        |  |
| EN12900 MBP                                                                                                                                                                                                                                                                                                                       | -10   | 45   | 20   | 45   | 807,2 | 2757    | 694,7    | 2,04  | 6,97     | 1,76      | 395,5 | 2,72 | 9,91   |  |
|                                                                                                                                                                                                                                                                                                                                   | [°F]  |      |      |      |       |         |          |       |          |           |       |      |        |  |
|                                                                                                                                                                                                                                                                                                                                   | 14    | 113  | 68   | 113  |       |         |          |       |          |           |       |      |        |  |

## Performance tables

220-230V/50Hz 1~, RSCR, fan 3m/s, UL, CB

|                  | pe    | Cooling capacity |        |         | COP      |       | EER      |           | P1    |  | I    | m      |
|------------------|-------|------------------|--------|---------|----------|-------|----------|-----------|-------|--|------|--------|
|                  | [°C]  | [°F]             | [W]    | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]   |  | [A]  | [kg/h] |
| [°C / °F]        | -35   | -31              | 335,0  | 1144    | 288,3    | 1,28  | 4,37     | 1,10      | 262,0 |  | 1,84 | 3,75   |
| cond. pressure   | -23,3 | -10              | 584,8  | 1997    | 503,3    | 1,70  | 5,82     | 1,47      | 343,1 |  | 2,04 | 6,60   |
| pc= 45/113       | -15   | 5                | 826,9  | 2824    | 711,7    | 2,07  | 7,07     | 1,78      | 399,6 |  | 2,21 | 9,41   |
| return gas temp. | -9,4  | 15               | 1021,3 | 3488    | 879,0    | 2,35  | 8,02     | 2,02      | 434,7 |  | 2,31 | 11,69  |
| RGT= 32/90       | -3,9  | 25               | 1244,2 | 4249    | 1070,8   | 2,67  | 9,11     | 2,30      | 466,4 |  | 2,41 | 14,35  |
| liquid temp      | 0     | 32               | 1418,1 | 4843    | 1220,4   | 2,92  | 9,96     | 2,51      | 486,1 |  | 2,48 | 16,45  |
| Tliq= 45/113     | 7,2   | 45               | 1782,5 | 6087    | 1534,0   | 3,46  | 11,80    | 2,97      | 515,8 |  | 2,58 | 20,94  |
| [°C / °F]        | -35   | -31              | 261,7  | 894     | 225,2    | 1,02  | 3,47     | 0,87      | 257,8 |  | 1,82 | 3,24   |
| cond. pressure   | -23,3 | -10              | 497,2  | 1698    | 427,9    | 1,39  | 4,74     | 1,19      | 358,5 |  | 2,09 | 6,20   |
| pc= 55/131       | -15   | 5                | 717,2  | 2449    | 617,3    | 1,67  | 5,70     | 1,44      | 430,0 |  | 2,31 | 9,02   |
| return gas temp  | -9,4  | 15               | 891,3  | 3044    | 767,0    | 1,87  | 6,40     | 1,61      | 475,4 |  | 2,45 | 11,28  |
| RGT= 32/90       | -3,9  | 25               | 1089,3 | 3720    | 937,5    | 2,10  | 7,19     | 1,81      | 517,8 |  | 2,59 | 13,90  |
| liquid temp      | 0     | 32               | 1243,1 | 4246    | 1069,9   | 2,28  | 7,79     | 1,96      | 545,1 |  | 2,69 | 15,97  |
| Tliq= 55/131     | 7,2   | 45               | 1564,4 | 5343    | 1346,4   | 2,65  | 9,06     | 2,28      | 589,4 |  | 2,84 | 20,38  |