

**Model**

|             |                  |                         |             |                 |
|-------------|------------------|-------------------------|-------------|-----------------|
| Designation | <b>NLE10MF.2</b> | <b>220-240V/50Hz 1~</b> | Sales code: | <b>105G6187</b> |
|-------------|------------------|-------------------------|-------------|-----------------|

**Compressor design**

|                            |                                 |                       |                                  |
|----------------------------|---------------------------------|-----------------------|----------------------------------|
| Oil type                   | Polyolester                     | Refrigerant(s)        | <b>R134a</b>                     |
| Oil viscosity              | 19,2cSt                         | Displacement          | 10,09cm <sup>3</sup> / 0,62cu.in |
| Oil quantity               | 301cm <sup>3</sup> / 10,2fl.oz  | Compressors on pallet | 80                               |
| Refr. charge - tech. limit | 600g / 21,2oz                   |                       |                                  |
| Free gas volume comp.      | 2360cm <sup>3</sup> / 79,8fl.oz |                       |                                  |
| Weight                     | 10,9kg / 24lbs                  |                       |                                  |
| Motor protection           | 1# internal                     |                       |                                  |
| Winding resistance main    | 9,28Ω (at 25°C)                 |                       |                                  |
| Winding resistance aux     | 11,64Ω (at 25°C)                |                       |                                  |
| Max. winding temp.         | 125°C / 257°F                   |                       |                                  |
| Max. discharge temp.       | 110°C / 230°F                   |                       |                                  |



**General - Configurations with NLE10MF.2**

|                        | <b>Conf. 1</b> | <b>Conf. 2</b> | <b>Conf. 3</b> |
|------------------------|----------------|----------------|----------------|
| Motorconfiguration     | CSIR           | RSIR           | RSCR           |
| Power supply (nominal) | 220-240V/50Hz  | 220-240V/50Hz  | 220-240V/50Hz  |
| Number of phases       | 1              | 1              | 1              |
| Voltage range          | 198-254V       | 198-254V       | 198-254V       |
| Approvals              | VDE            | VDE            | VDE            |
| Starting torque        | HST            | LST            | LST            |
| Note                   | - / -          |                |                |

**Applications with NLE10MF.2**

|                         | <b>Conf. 1</b> | <b>Conf. 2</b> | <b>Conf. 3</b> |
|-------------------------|----------------|----------------|----------------|
| Refrigerant             | R134a          | R134a          | R134a          |
| Application             | LBP+MBP        | LBP+MBP        | LBP+MBP        |
| System cooling          | fan 3m/s       | fan 3m/s       | fan 3m/s       |
| Hot gas defrost         | OK             | OK             | OK             |
| Long interval pull down | OK             | OK             | OK             |

**Electrical data - Configurations with NLE10MF.2**

|                              | <b>Conf. 1</b> | <b>Conf. 2</b> | <b>Conf. 3</b> |
|------------------------------|----------------|----------------|----------------|
| Starting device type         | relay          | PTC            | PTC            |
| Run capacitor                | -/-            | -/-            | 4μF            |
| Start capacitor              | 80μF           | -/-            | -/-            |
| LRA (locked rotor amps / 4s) | 11,3A          | 10,7A          | 10,1A          |
| RLA (rated load amps / 1s)   | 2,15A          | 2,15A          | 2,05A          |
| Cut in current               | 11,3A          | 15,9A          | 15,9A          |
| IP class                     | 21             | 21             | 21             |

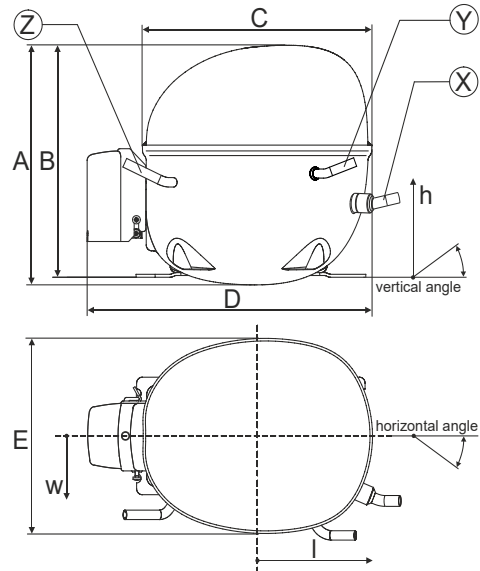
**Model**

|             |                  |                  |             |                 |
|-------------|------------------|------------------|-------------|-----------------|
| Designation | <b>NLE10MF.2</b> | 220-240V/50Hz 1~ | Sales code: | <b>105G6187</b> |
|-------------|------------------|------------------|-------------|-----------------|

**Compressor dimensions**

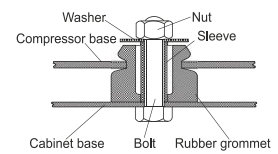
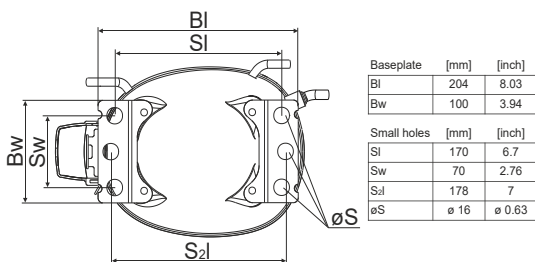
|                |                   |                |
|----------------|-------------------|----------------|
| <b>Housing</b> | A Height          | 203mm / 7,99in |
|                | B Height          | 197mm / 7,76in |
|                | C Length shell    | 205mm / 8,07in |
|                | D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

| <b>Connectors</b>     |      | <b>Suction</b> | <b>Discharge</b> | <b>Process</b> |
|-----------------------|------|----------------|------------------|----------------|
|                       |      | <b>X</b>       | <b>Y</b>         | <b>Z</b>       |
| Diameter              | [mm] | øi 8,11-8,29   | øi 6,11-6,29     | øi 6,11-6,29   |
| (i:inside, o:outside) | [in] | øi 0,32-0,33   | øi 0,24-0,25     | øi 0,24-0,25   |
| 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            |

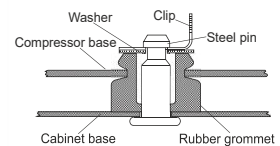


**Compressor fixation**

**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  |            |
| Snap-on   ø7,3   ø16mm     | 118-1947  | 118-1919   |

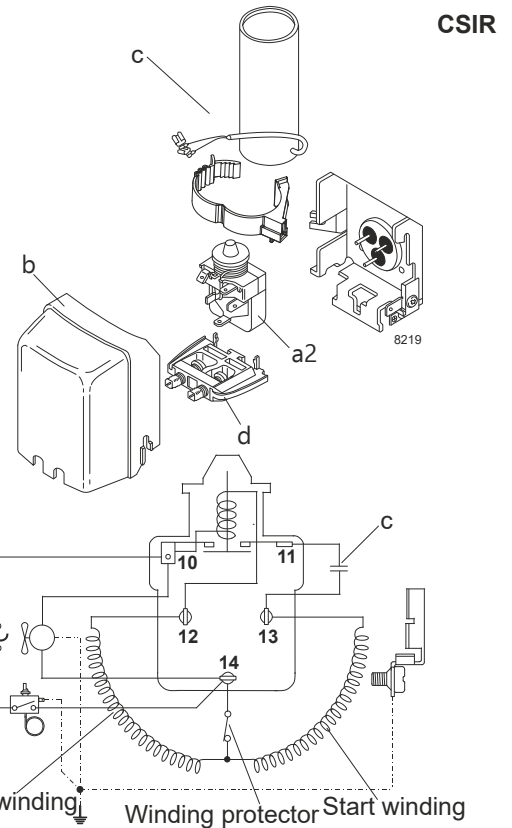
**Model**

|             |                  |                      |                |             |                 |
|-------------|------------------|----------------------|----------------|-------------|-----------------|
| Designation | <b>NLE10MF.2</b> | <b>220-240V/50Hz</b> | <b>Conf. 1</b> | Sales code: | <b>105G6187</b> |
|-------------|------------------|----------------------|----------------|-------------|-----------------|

**Configuration**

|                        |                  |
|------------------------|------------------|
| Motorconfiguration     | CSIR             |
| Power supply (nominal) | 220-240V/50Hz 1~ |
| Refrigerant            | R134a            |
| Application            | LBP+MBP          |
| Voltage range          | 198-254V         |
| Starting torque        | HST              |
| Approvals              | VDE              |

**Electrical accessories / wiring diagram**

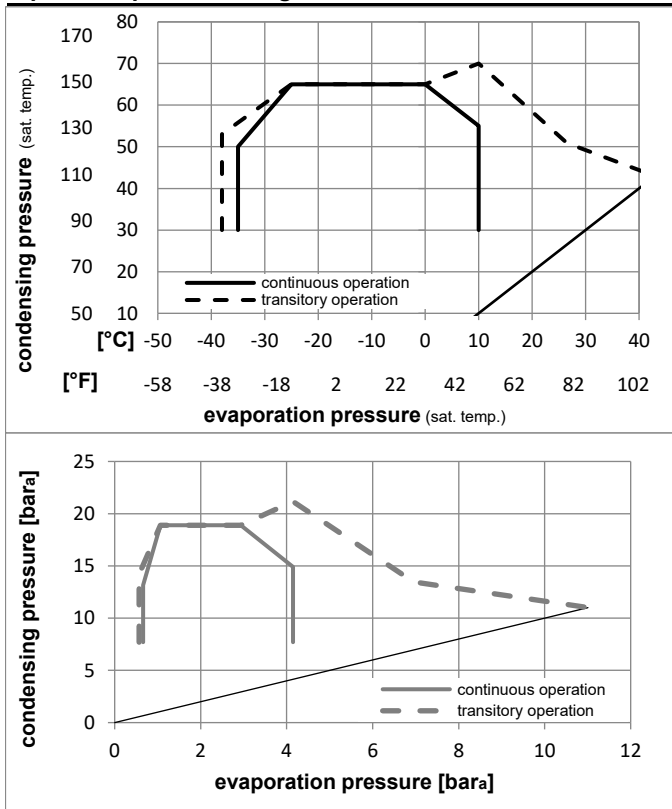


**Ambient temperatures / system cooling**

|                           |              |
|---------------------------|--------------|
| 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 |

**Operation pressure range**



**Components**

|    |                        |          |
|----|------------------------|----------|
| a2 | assy. relay            | 117U6002 |
| c  | start capacitor (80µF) | 117U5015 |
| b  | plastic cover          | 103N2010 |
| d  | cord relief            | 103N1010 |

**Alternative components**

|   |               |          |
|---|---------------|----------|
| b | plastic cover | 103N2011 |
|---|---------------|----------|

**Model**

Designation **NLE10MF.2 220-240V/50Hz** Conf. 1 Sales code: **105G6187**

**Optimization + standard conditions**

220-240V/50Hz 1~, CSIR, fan 3m/s, VDE

|  | Evaporating pressure (saturation temperature) |      |      |      | Condensing pressure (saturation temperature) |         |          |       |          |           | Power consumption |                |        | ASHRAE MBP |       |      |       |             |
|--|---|------|------|------|--|---------|----------|-------|----------|-----------|-------------------|----------------|--------|------------|-------|------|-------|-------------|
|  | pe  | pc   | RGT  | Tliq | Cooling capacity                             |         |          | COP   | EER      | P1        | I                 | Ref. mass flow |        |            |       |      |       |             |
|  | [°C]  | [°F] | [°C] | [°F] | [W]  | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]               | [A]            | [kg/h] |            |       |      |       |             |
|  | -6,66   | 20   | 54,4 | 130  | 35   | 95      | 46,1     | 115   | 609,2    | 2081      | 524,3             | 1,94           | 6,64   | 1,67       | 313,4 | 1,89 | 13,29 | ASHRAE MBP  |
|  | -10   | 14   | 55   | 131  | 32   | 89,6    | 55       | 131   | 471,1    | 1609      | 405,5             | 1,62           | 5,54   | 1,40       | 290,4 | 1,81 | 11,39 | cecomaf MBP |
|  | -10   | 14   | 45   | 113  | 20   | 68      | 45       | 113   | 535,9    | 1830      | 461,2             | 1,99           | 6,79   | 1,71       | 269,6 | 1,75 | 12,54 | EN12900 MBP |
|  | -6,66   | 20   | 48,9 | 120  | 18,3   | 65      | 48,9     | 120   | 581,4    | 1986      | 500,4             | 1,95           | 6,65   | 1,67       | 298,7 | 1,84 | 14,36 | ARI540 MBP  |
|  | -10   | 14   | 45   | 113  | 32   | 89,6    | 45       | 113   | 556,0    | 1899      | 478,5             | 2,06           | 7,04   | 1,78       | 269,6 | 1,75 | 12,17 | opt         |
|  | -25   | -13  | 45   | 113  | 32   | 89,6    | 45       | 113   | 262,5    | 897       | 225,9             | 1,38           | 4,72   | 1,19       | 190,0 | 1,52 | 5,69  | opt         |

**Performance tables**

220-240V/50Hz 1~, CSIR, fan 3m/s, VDE

|                  | 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              | 134,3  | 459     | 115,5    | 0,94  | 3,21     | 0,81      | 143,0 | 1,43 | 2,90   |
| cond. pressure   | -25  | -13              | 262,5  | 897     | 225,9    | 1,38  | 4,72     | 1,19      | 190,0 | 1,52 | 5,69   |
| pc= 45/113       | -15  | 5                | 440,7  | 1505    | 379,3    | 1,82  | 6,23     | 1,57      | 241,7 | 1,66 | 9,61   |
| return gas temp. | -10  | 14               | 556,0  | 1899    | 478,5    | 2,06  | 7,04     | 1,78      | 269,6 | 1,75 | 12,17  |
| RGT= 32/90       | 0    | 32               | 853,8  | 2916    | 734,8    | 2,59  | 8,84     | 2,23      | 330,0 | 1,96 | 18,88  |
| liquid temp      | 5    | 41               | 1042,4 | 3560    | 897,1    | 2,87  | 9,81     | 2,47      | 362,9 | 2,08 | 23,21  |
| Tliq= 45/113     | 10   | 50               | 1261,3 | 4308    | 1085,5   | 3,17  | 10,83    | 2,73      | 397,6 | 2,20 | 28,30  |
| [°C / °F]        | -35  | -31              | 93,5   | 319     | 80,5     | 0,75  | 2,56     | 0,65      | 124,6 | 1,40 | 2,23   |
| cond. pressure   | -25  | -13              | 210,5  | 719     | 181,1    | 1,12  | 3,83     | 0,96      | 187,9 | 1,51 | 5,03   |
| pc= 55/131       | -15  | 5                | 368,9  | 1260    | 317,5    | 1,45  | 4,94     | 1,24      | 255,0 | 1,69 | 8,88   |
| return gas temp  | -10  | 14               | 471,1  | 1609    | 405,5    | 1,62  | 5,54     | 1,40      | 290,4 | 1,81 | 11,39  |
| RGT= 32/90       | 0    | 32               | 736,6  | 2516    | 633,9    | 2,02  | 6,89     | 1,74      | 365,3 | 2,08 | 18,02  |
| liquid temp      | 5    | 41               | 905,7  | 3093    | 779,5    | 2,24  | 7,64     | 1,92      | 405,1 | 2,24 | 22,32  |
| Tliq= 55/131     | 10   | 50               | 1103,2 | 3768    | 949,4    | 2,47  | 8,44     | 2,13      | 446,6 | 2,41 | 27,42  |

**Model**

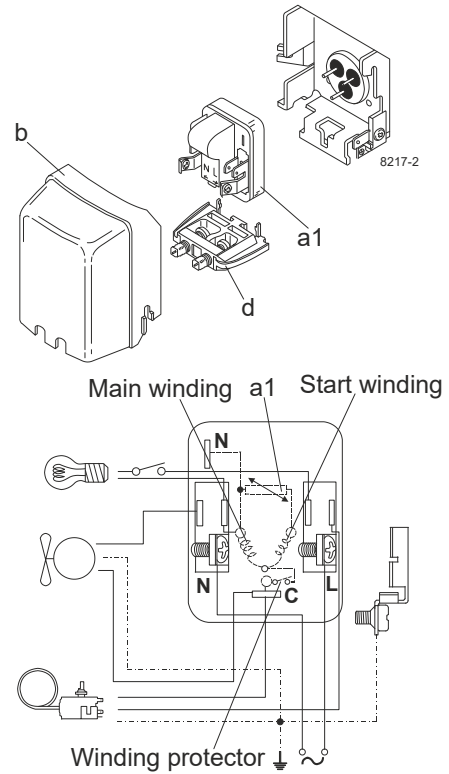
|             |                  |                      |                |             |                 |
|-------------|------------------|----------------------|----------------|-------------|-----------------|
| Designation | <b>NLE10MF.2</b> | <b>220-240V/50Hz</b> | <b>Conf. 2</b> | Sales code: | <b>105G6187</b> |
|-------------|------------------|----------------------|----------------|-------------|-----------------|

**Configuration**

|                        |                  |
|------------------------|------------------|
| Motorconfiguration     | RSIR             |
| Power supply (nominal) | 220-240V/50Hz 1~ |
| Refrigerant            | R134a            |
| Application            | LBP+MBP          |
| Voltage range          | 198-254V         |
| Starting torque        | LST              |
| Approvals              | VDE              |

**Electrical accessories / wiring diagram**

RSIR

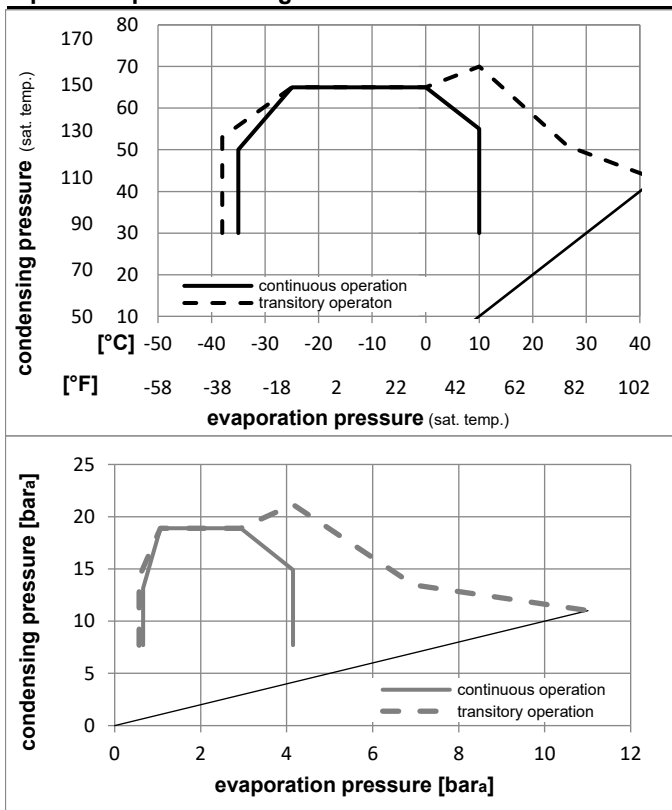


**Ambient temperatures / system cooling**

|                           |              |
|---------------------------|--------------|
| 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 |

**Operation pressure range**



Components

|    |                                    |          |
|----|------------------------------------|----------|
| a1 | e-PTC starter (220V, 250hm, 4.8mm) | 103N0050 |
| b  | plastic cover                      | 103N2010 |
| d  | cord relief                        | 103N1010 |

Alternative components

|   |               |          |
|---|---------------|----------|
| b | plastic cover | 103N2011 |
|---|---------------|----------|

**Model**

|             |                                |                |             |                 |
|-------------|--------------------------------|----------------|-------------|-----------------|
| Designation | <b>NLE10MF.2 220-240V/50Hz</b> | <b>Conf. 2</b> | Sales code: | <b>105G6187</b> |
|-------------|--------------------------------|----------------|-------------|-----------------|

**Optimization + standard conditions**

220-240V/50Hz 1~, RSIR, fan 3m/s, VDE

|  | Evaporating pressure (saturation temperature) |      |      |      | Condensing pressure (saturation temperature) |         |          |       |          |           | Power consumption |                |        | ASHRAE MBP |       |      |       |             |
|--|---|------|------|------|--|---------|----------|-------|----------|-----------|-------------------|----------------|--------|------------|-------|------|-------|-------------|
|  | pe  | pc   | RGT  | Tliq | Cooling capacity                             |         |          | COP   | EER      | P1        | I                 | Ref. mass flow |        |            |       |      |       |             |
|  | [°C]  | [°F] | [°C] | [°F] | [W]  | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]               | [A]            | [kg/h] |            |       |      |       |             |
|  | -6,66   | 20   | 54,4 | 130  | 35   | 95      | 46,1     | 115   | 609,2    | 2081      | 524,3             | 1,94           | 6,64   | 1,67       | 313,4 | 1,89 | 13,29 | ASHRAE MBP  |
|  | -10   | 14   | 55   | 131  | 32   | 89,6    | 55       | 131   | 471,1    | 1609      | 405,5             | 1,62           | 5,54   | 1,40       | 290,4 | 1,81 | 11,39 | cecomaf MBP |
|  | -10   | 14   | 45   | 113  | 20   | 68      | 45       | 113   | 535,9    | 1830      | 461,2             | 1,99           | 6,79   | 1,71       | 269,6 | 1,75 | 12,54 | EN12900 MBP |
|  | -6,66   | 20   | 48,9 | 120  | 18,3   | 65      | 48,9     | 120   | 581,4    | 1986      | 500,4             | 1,95           | 6,65   | 1,67       | 298,7 | 1,84 | 14,36 | ARI540 MBP  |
|  | -10   | 14   | 45   | 113  | 32   | 89,6    | 45       | 113   | 556,0    | 1899      | 478,5             | 2,06           | 7,04   | 1,78       | 269,6 | 1,75 | 12,17 | opt         |
|  | -25   | -13  | 45   | 113  | 32   | 89,6    | 45       | 113   | 262,5    | 897       | 225,9             | 1,38           | 4,72   | 1,19       | 190,0 | 1,52 | 5,69  | opt         |

**Performance tables**

220-240V/50Hz 1~, RSIR, fan 3m/s, VDE

|                  | 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              | 134,3  | 459     | 115,5    | 0,94  | 3,21     | 0,81      | 143,0 | 1,43 | 2,90   |
| cond. pressure   | -25  | -13              | 262,5  | 897     | 225,9    | 1,38  | 4,72     | 1,19      | 190,0 | 1,52 | 5,69   |
| pc= 45/113       | -15  | 5                | 440,7  | 1505    | 379,3    | 1,82  | 6,23     | 1,57      | 241,7 | 1,66 | 9,61   |
| return gas temp. | -10  | 14               | 556,0  | 1899    | 478,5    | 2,06  | 7,04     | 1,78      | 269,6 | 1,75 | 12,17  |
| RGT= 32/90       | 0    | 32               | 853,8  | 2916    | 734,8    | 2,59  | 8,84     | 2,23      | 330,0 | 1,96 | 18,88  |
| liquid temp      | 5    | 41               | 1042,4 | 3560    | 897,1    | 2,87  | 9,81     | 2,47      | 362,9 | 2,08 | 23,21  |
| Tliq= 45/113     | 10   | 50               | 1261,3 | 4308    | 1085,5   | 3,17  | 10,83    | 2,73      | 397,6 | 2,20 | 28,30  |
| [°C / °F]        | -35  | -31              | 93,5   | 319     | 80,5     | 0,75  | 2,56     | 0,65      | 124,6 | 1,40 | 2,23   |
| cond. pressure   | -25  | -13              | 210,5  | 719     | 181,1    | 1,12  | 3,83     | 0,96      | 187,9 | 1,51 | 5,03   |
| pc= 55/131       | -15  | 5                | 368,9  | 1260    | 317,5    | 1,45  | 4,94     | 1,24      | 255,0 | 1,69 | 8,88   |
| return gas temp  | -10  | 14               | 471,1  | 1609    | 405,5    | 1,62  | 5,54     | 1,40      | 290,4 | 1,81 | 11,39  |
| RGT= 32/90       | 0    | 32               | 736,6  | 2516    | 633,9    | 2,02  | 6,89     | 1,74      | 365,3 | 2,08 | 18,02  |
| liquid temp      | 5    | 41               | 905,7  | 3093    | 779,5    | 2,24  | 7,64     | 1,92      | 405,1 | 2,24 | 22,32  |
| Tliq= 55/131     | 10   | 50               | 1103,2 | 3768    | 949,4    | 2,47  | 8,44     | 2,13      | 446,6 | 2,41 | 27,42  |

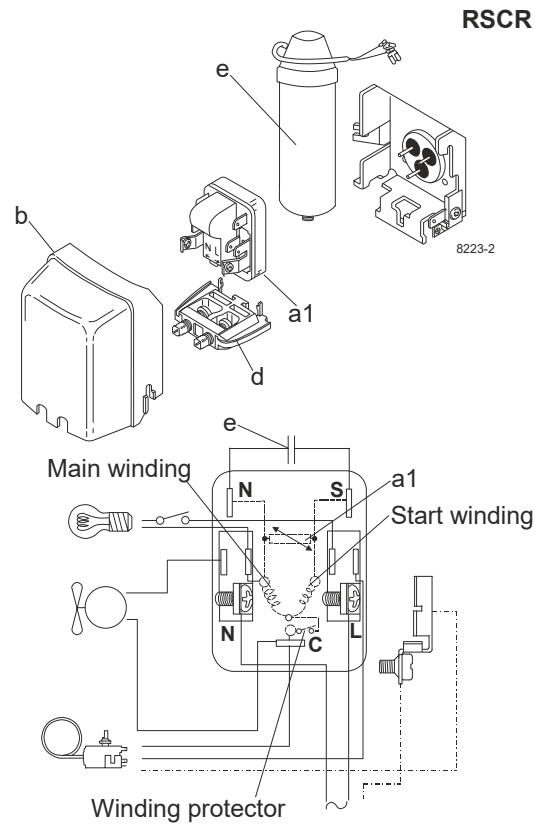
**Model**

|             |                  |                      |                |             |                 |
|-------------|------------------|----------------------|----------------|-------------|-----------------|
| Designation | <b>NLE10MF.2</b> | <b>220-240V/50Hz</b> | <b>Conf. 3</b> | Sales code: | <b>105G6187</b> |
|-------------|------------------|----------------------|----------------|-------------|-----------------|

**Configuration**

|                        |                  |
|------------------------|------------------|
| Motorconfiguration     | RSCR             |
| Power supply (nominal) | 220-240V/50Hz 1~ |
| Refrigerant            | R134a            |
| Application            | LBP+MBP          |
| Voltage range          | 198-254V         |
| Starting torque        | LST              |
| Approvals              | VDE              |

**Electrical accessories / wiring diagram**

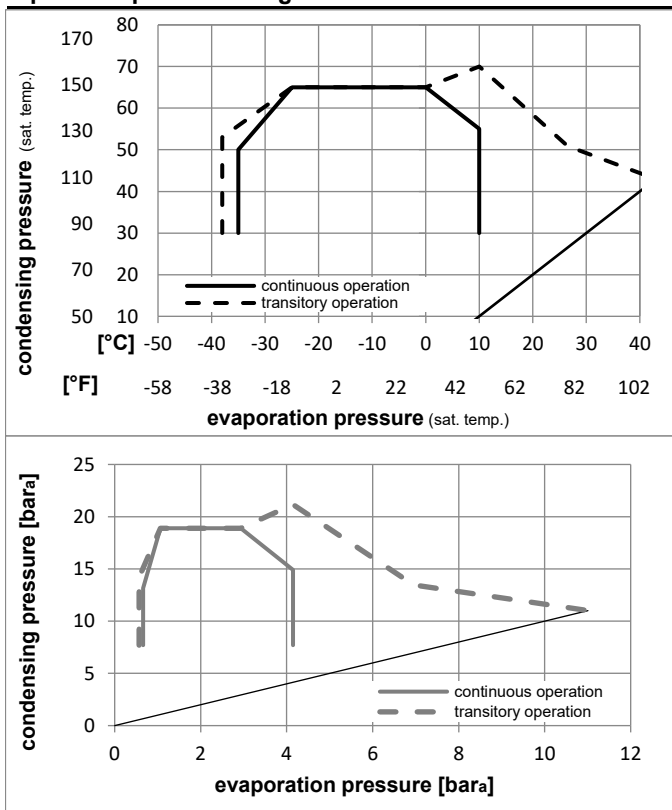


**Ambient temperatures / system cooling**

|                           |              |
|---------------------------|--------------|
| 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 |

**Operation pressure range**



**Components**

|    |                                    |          |
|----|------------------------------------|----------|
| a1 | e-PTC starter (220V, 250hm, 4.8mm) | 103N0050 |
| e  | run capacitor (4μF, 4.8mm)         | 117-7119 |
| b  | plastic cover                      | 103N2010 |
| d  | cord relief                        | 103N1010 |
|    | bracket for run capacitor          | 117-0300 |
|    | screw M4x8mm                       | 117-0301 |

**Alternative components**

|   |               |          |
|---|---------------|----------|
| b | plastic cover | 103N2011 |
|---|---------------|----------|

**Model**

Designation **NLE10MF.2 220-240V/50Hz** Conf. **3** Sales code: **105G6187**

**Optimization + standard conditions**

220-240V/50Hz 1~, RSCR, fan 3m/s, VDE

|       |      | Evaporating pressure (saturation temperature) |     |              |      | Condensing pressure (saturation temperature) |         |          |       |          |           | Power consumption   |      |                |      |       |             |
|-------|------|---|-----|--------------|------|--|---------|----------|-------|----------|-----------|---------------------|------|----------------|------|-------|-------------|
|       |      | Return gas temp.                              |     | Liquid temp. |      | Cooling capacity                             |         |          | COP   | EER      | P1        | Current consumption |      | Ref. mass flow |      |       |             |
|       |      | pe  | pc  | RGT          | Tliq | [W]  | [Btu/h] | [kcal/h] | [W/W] | [Btu/Wh] | [kcal/Wh] | [W]                 | I    | m              |      |       |             |
| [°C]  | [°F] |   |     |              |      |  |         |          |       |          |           |                     | [A]  | [kg/h]         |      |       |             |
| -6,66 | 20   | 54,4  | 130 | 35           | 95   | 46,1   | 115     | 608,5    | 2078  | 523,7    | 2,05      | 6,99                | 1,76 | 297,5          | 1,79 | 13,28 | ASHRAE MBP  |
| -10   | 14   | 55  | 131 | 32           | 89,6 | 55   | 131     | 470,6    | 1607  | 405,0    | 1,71      | 5,83                | 1,47 | 275,6          | 1,71 | 11,38 | cecomaf MBP |
| -10   | 14   | 45  | 113 | 20           | 68   | 45   | 113     | 535,3    | 1828  | 460,7    | 2,09      | 7,15                | 1,80 | 255,8          | 1,66 | 12,53 | EN12900 MBP |
| -6,66 | 20   | 48,9  | 120 | 18,3         | 65   | 48,9   | 120     | 580,8    | 1983  | 499,8    | 2,05      | 7,00                | 1,76 | 283,5          | 1,75 | 14,35 | ARI540 MBP  |
| -10   | 14   | 45  | 113 | 32           | 89,6 | 45   | 113     | 555,4    | 1897  | 478,0    | 2,17      | 7,41                | 1,87 | 255,8          | 1,66 | 12,15 | opt         |
| -25   | -13  | 45  | 113 | 32           | 89,6 | 45   | 113     | 262,2    | 896   | 225,7    | 1,45      | 4,97                | 1,25 | 180,3          | 1,44 | 5,68  | opt         |

**Performance tables**

220-240V/50Hz 1~, RSCR, fan 3m/s, VDE

| [°C / °F]        | 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] |
| -35              | -31  | 134,1            | 458    | 115,4   | 0,99     | 3,38  | 0,85     | 135,7     | 1,36  | 2,89 |        |
| cond. pressure   | -25  | -13              | 262,2  | 896     | 225,7    | 1,45  | 4,97     | 1,25      | 180,3 | 1,44 | 5,68   |
| pc= 45/113       | -15  | 5                | 440,2  | 1503    | 378,9    | 1,92  | 6,55     | 1,65      | 229,4 | 1,57 | 9,60   |
| return gas temp. | -10  | 14               | 555,4  | 1897    | 478,0    | 2,17  | 7,41     | 1,87      | 255,8 | 1,66 | 12,15  |
| RGT= 32/90       | 0    | 32               | 852,9  | 2913    | 734,0    | 2,72  | 9,30     | 2,34      | 313,2 | 1,86 | 18,86  |
| liquid temp      | 5    | 41               | 1041,2 | 3556    | 896,1    | 3,02  | 10,33    | 2,60      | 344,4 | 1,97 | 23,18  |
| Tliq= 45/113     | 10   | 50               | 1259,9 | 4303    | 1084,3   | 3,34  | 11,40    | 2,87      | 377,3 | 2,09 | 28,27  |
| -35              | -31  | 93,4             | 319    | 80,4    | 0,79     | 2,70  | 0,68     | 118,3     | 1,33  | 2,22 |        |
| cond. pressure   | -25  | -13              | 210,2  | 718     | 180,9    | 1,18  | 4,03     | 1,01      | 178,3 | 1,43 | 5,03   |
| pc= 55/131       | -15  | 5                | 368,5  | 1258    | 317,1    | 1,52  | 5,20     | 1,31      | 242,0 | 1,60 | 8,87   |
| return gas temp  | -10  | 14               | 470,6  | 1607    | 405,0    | 1,71  | 5,83     | 1,47      | 275,6 | 1,71 | 11,38  |
| RGT= 32/90       | 0    | 32               | 735,8  | 2513    | 633,2    | 2,12  | 7,25     | 1,83      | 346,7 | 1,97 | 18,00  |
| liquid temp      | 5    | 41               | 904,8  | 3090    | 778,6    | 2,35  | 8,04     | 2,03      | 384,5 | 2,12 | 22,29  |
| Tliq= 55/131     | 10   | 50               | 1102,0 | 3764    | 948,4    | 2,60  | 8,88     | 2,24      | 423,9 | 2,28 | 27,39  |