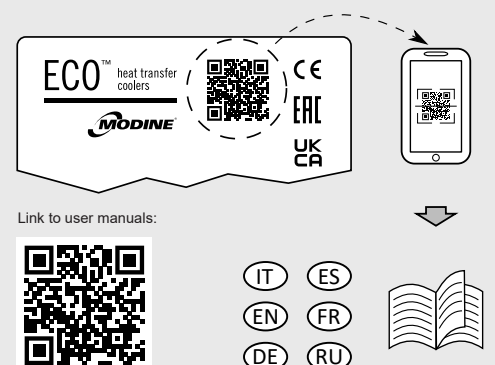
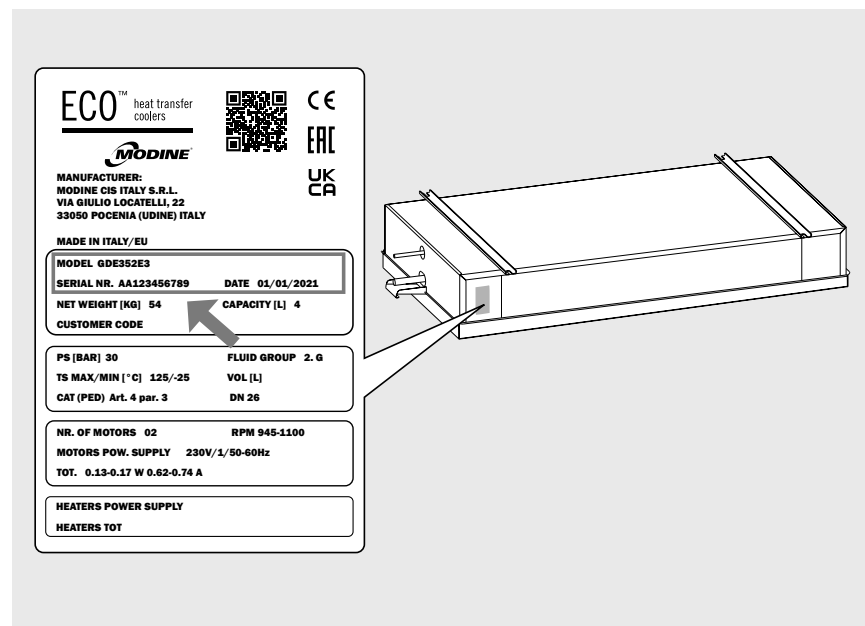


# GDE

## QUICK GUIDE

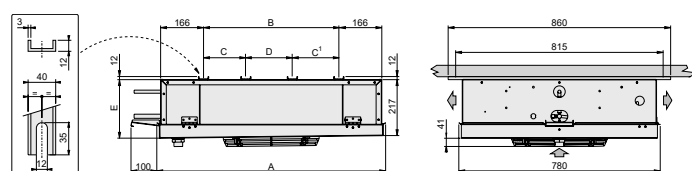
This document is a concise version of the model manual. This document is not meant to be a replacement of the manual. To download the full manual please scan the QRcode below or locate the data label on the model and scan the QRcode.



**!** Before removing the packaging, handling, assembling, positioning, commissioning of the machine and before performing any work on the model, download and carefully read all the information in the manual. If in doubt contact Modine.

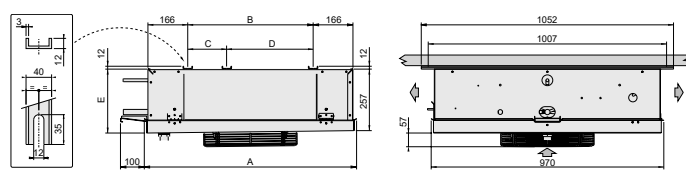
## Construction and dimensional features

### Ø315 fan diameter unit



(1) 5-engine models do not have this dimension C

### Ø350 fan diameter unit



Use thermostatic valve with external pressure equalizer

| Model            | GDE       | 311E3 | 312E3 | -     | 313E3 | 314E3 | 315E3 | -     | 316E3 | -     |
|------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  |           | 311E4 | 312E4 | -     | 313E4 | 314E4 | -     | 315E4 | 316E4 | -     |
|                  |           | 311E7 | -     | 312E7 | 313E7 | 314E7 | -     | 315E7 | -     | 316E7 |
| Motorfans        | n° x Ø mm | 1x315 | 2x315 | 2x315 | 3x315 | 4x315 | 5x315 | 5x315 | 6x315 | 6x315 |
| Dimensions       | A         | 885   | 1435  | 1435  | 1985  | 2535  | 3085  | 3085  | 3635  | 3635  |
|                  | B         | 524   | 1074  | 1074  | 1624  | 2174  | 2724  | 2724  | 3274  | 3274  |
|                  | C         | -     | -     | -     | 812   | 1087  | 1087  | 1087  | 1087  | 1087  |
|                  | D         | -     | -     | -     | -     | -     | 1637  | 1637  | 1100  | 1100  |
|                  | E         | 230   | 235   | 235   | 240   | 245   | 250   | 250   | 255   | 255   |
| Coil connections | In (mm)   | 12    | 16    | 12    | 16    | 16    | 22    | 16    | 22    | 16    |
|                  | Out (mm)  | 16    | 22    | 22    | 28    | 28    | 35    | 35    | 35    | 35    |
| Drain connection | Ø (GAS)   | 1"    | 1"    | 1"    | 1"    | 1"    | 1"    | 1"    | 1"    | 1"    |
| Net weight       | kg        | 20    | 34    | 32    | 50    | 65    | 78    | 78    | 93    | 86    |

| Model            | GDE       | 351E3 | 361A3 | -     | 352E3 | 362A3 | 353E3 | 363A3 | 354E3 | 364A3 | 355F3 | 365F3 |
|------------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                  |           | 351E4 | -     | 361A4 | 352E4 | 362A4 | 353E4 | 363A4 | 354E4 | 364A4 | 355F4 | 365F4 |
|                  |           | 351E7 | -     | 361A7 | 352E7 | 362A7 | 353E7 | 363A7 | 354E7 | 364A7 | 355F7 | 365F7 |
| Motorfans        | n° x Ø mm | 1x350 | 1x350 | 1x350 | 2x350 | 2x350 | 3x350 | 3x350 | 4x350 | 4x350 | 5x350 | 5x350 |
| Dimensions       | A         | 885   | 885   | 885   | 1435  | 1435  | 1985  | 1985  | 2535  | 2535  | 3085  | 3085  |
|                  | B         | 523   | 523   | 523   | 1073  | 1073  | 1623  | 1623  | 2173  | 2173  | 2723  | 2723  |
|                  | C         | -     | -     | -     | -     | -     | 522   | 522   | 1072  | 1072  | 1072  | 1072  |
|                  | D         | -     | -     | -     | -     | -     | 1102  | 1102  | 1102  | 1102  | 1652  | 1652  |
|                  | E         | 270   | 270   | 270   | 275   | 275   | 280   | 280   | 285   | 285   | 290   | 290   |
| Coil connections | In (mm)   | 12    | 16    | 12    | 16    | 16    | 16    | 22    | 22    | 22    | 22    | 22    |
|                  | Out (mm)  | 22    | 22    | 22    | 28    | 28    | 28    | 35    | 35    | 35    | 42    | 42    |
| Drain connection | Ø (GAS)   | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| Net weight       | kg        | 31    | 36    | 36    | 54    | 63    | 77    | 90    | 99    | 117   | 132   | 136   |

## Wiring diagrams

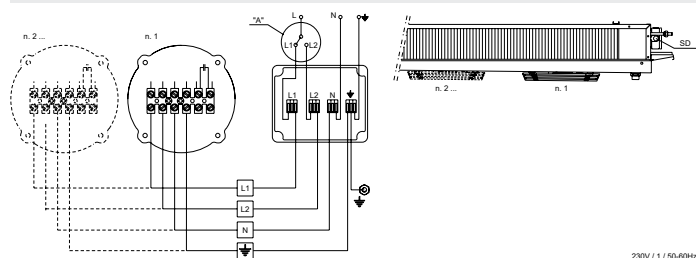
### Motor-fan connection diagram

**Important.** The motors are equipped with inner thermal protection with automatic reconnection. Before using motor speed control systems verify the compatibility with the motors. Non compatible systems may damage motors or increase noise level; Modine will not be responsible for model performance with speed control systems. For fans equipped with thermal contacts (TK), these must be connected to the control circuit. For models supplied with wiring in a junction box, remove the cover to make the connection.

| Model                           | GDE       | 311E3<br>311E4<br>311E7 | 312E3<br>312E4<br>312E7 | 313E3<br>313E4<br>313E7 | 314E3<br>314E4<br>314E7 | 315E3<br>315E4<br>315E7 | 316E3<br>316E4<br>316E7 |
|---------------------------------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Motorfans                       | n° x Ø mm | 1x315                   | 2x315                   | 3x315                   | 4x315                   | 5x315                   | 6x315                   |
| Frequency                       | Hz        | 50                      | 60                      | 50                      | 60                      | 50                      | 60                      |
| Junction box connections L1 - N |           |                         |                         |                         |                         |                         |                         |
| Electrical consumption          | A         | 0.38                    | 0.45                    | 0.76                    | 0.90                    | 1.14                    | 1.35                    |
|                                 | W         | 85                      | 100                     | 170                     | 200                     | 255                     | 300                     |
| RPM                             |           | 1170                    | 940                     | 1170                    | 940                     | 1170                    | 940                     |
| Junction box connections L2 - N |           |                         |                         |                         |                         |                         |                         |
| Electrical consumption          | A         | 0.44                    | 0.62                    | 0.88                    | 1.24                    | 1.32                    | 1.86                    |
|                                 | W         | 100                     | 135                     | 200                     | 270                     | 300                     | 405                     |
| RPM                             |           | 1300                    | 1350                    | 1300                    | 1350                    | 1300                    | 1350                    |

| Model                  | GDE       | 351E3<br>351E4<br>351E7 | 352E3<br>352E4<br>352E7 | 353E3<br>353E4<br>353E7 | 354E3<br>354E4<br>354E7 | 355F3<br>355F4<br>355F7 | 361A3<br>361A4<br>361A7 | 362A3<br>362A4<br>362A7 | 363A3<br>363A4<br>363A7 | 364A3<br>364A4<br>364A7 | 365F3<br>365F4<br>365F7 |
|------------------------|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Motorfans              | n° x Ø mm | 1x350                   | 2x350                   | 3x350                   | 4x350                   | 5x350                   | 1x350                   | 2x350                   | 3x350                   | 4x350                   | 5x350                   |
| Frequency              | Hz        | 50                      | 60                      | 50                      | 60                      | 50                      | 60                      | 50                      | 60                      | 50                      | 60                      |
| Electrical consumption | A         | 0.31                    | 0.37                    | 0.62                    | 0.74                    | 0.93                    | 1.11                    | 1.24                    | 1.48                    | 1.55                    | 1.85                    |
|                        | W         | 65                      | 85                      | 130                     | 170                     | 195                     | 255                     | 260                     | 340                     | 325                     | 425                     |
| RPM                    |           | 945                     | 1100                    | 945                     | 1100                    | 945                     | 1100                    | 945                     | 1100                    | 1450                    | 1700                    |

#### Ø315 fan diameter unit

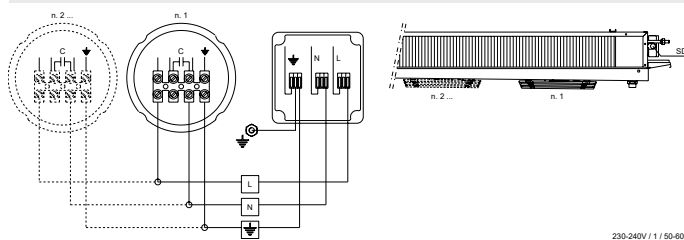


NOTE: It is possible to vary the number of revolutions of the motor by applying suitable commutation systems (not supplied). See detail "A".

| junction box connections | revolving speed |
|--------------------------|-----------------|
| L1 - N                   | low             |
| L2 - N                   | high            |

|    |                |
|----|----------------|
|    | = yellow-green |
| L1 | = black        |
| L2 | = brown        |
| N  | = blue o grey  |
| SD | = junction box |

#### Ø350 fan diameter unit

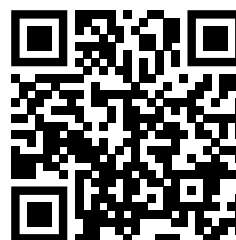


|    |                |
|----|----------------|
|    | = yellow-green |
| L  | = brown        |
| N  | = blue or grey |
| SD | = junction box |



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Link to user manuals:



<https://www.modinecoolers.com/documents/>