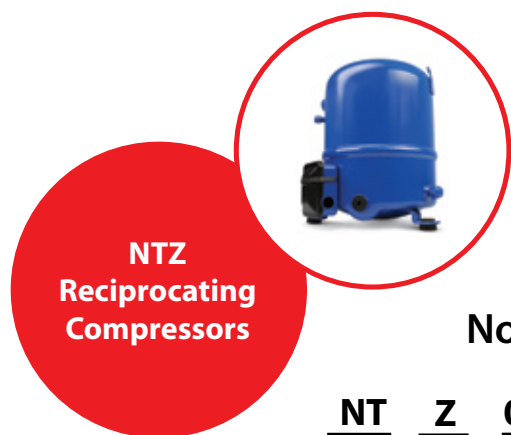
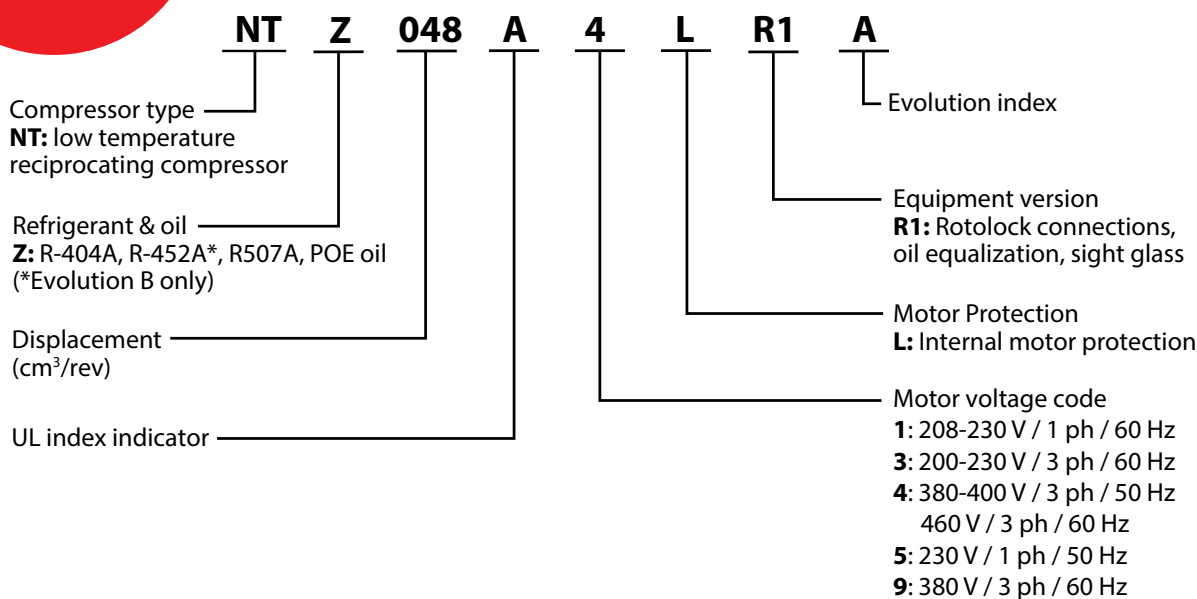


## NTZ - Low Temperature Reciprocating Compressors

The Maneurop® NTZ series of reciprocating compressors from Danfoss Commercial Compressors are designed for low evaporating temperature applications with refrigerants R-404A, R-452A, and R-507A. The NTZ series is optimized at -30 °F with an extended evaporating temperature range from -50 °F to +15 °F. NTZ compressors have a large internal free volume that protects against the risk of liquid hammering when liquid refrigerant enters the compressor.



### Nomenclature / Model No.



## Technical data and ordering

### NTZ - Low Temperature Reciprocating Compressors

| Connection type<br>Rotolock<br>(in.) | Connection with<br>supplied<br>sleeve<br>(in. ODF) | No. of<br>cylinders | Weight<br>(lbs.) | 208-230/1/60         |                                             |                                  | 200-230/3/60         |                                             |                                  | 460/3/60             |                                             |                                  |
|--------------------------------------|----------------------------------------------------|---------------------|------------------|----------------------|---------------------------------------------|----------------------------------|----------------------|---------------------------------------------|----------------------------------|----------------------|---------------------------------------------|----------------------------------|
|                                      |                                                    |                     |                  | Danfoss<br>Model No. | Nominal<br>capacity <sup>1</sup><br>(Btu/h) | Danfoss<br>Code No. <sup>2</sup> | Danfoss<br>Model No. | Nominal<br>capacity <sup>1</sup><br>(Btu/h) | Danfoss<br>Code No. <sup>2</sup> | Danfoss<br>Model No. | Nominal<br>capacity <sup>1</sup><br>(Btu/h) | Danfoss<br>Code No. <sup>2</sup> |
| 1 ¼ × 1                              | ¾ × ½                                              | 1                   | 46               | NTZ048A1LR1A         | 4547                                        | <b>120F0072</b>                  | NTZ048A3LR1A         | 4490                                        | <b>120F0026</b>                  | NTZ048A4LR1B         | 4490                                        | <b>120F0226</b>                  |
| 1 ¼ × 1                              | ¾ × ½                                              | 1                   | 51               | NTZ068A1LR1A         | 6649                                        | <b>120F0073</b>                  | NTZ068A3LR1A         | 7518                                        | <b>120F0027</b>                  | NTZ068A4LR1B         | 7518                                        | <b>120F0230</b>                  |
| 1 ¾ × 1 ¼                            | 7/8 × ¾                                            | 2                   | 77               | NTZ096A1LR1A         | 9155                                        | <b>120F0074</b>                  | NTZ096A3LR1A         | 9110                                        | <b>120F0028</b>                  | NTZ096A4LR1B         | 9110                                        | <b>120F0234</b>                  |
| 1 ¾ × 1 ¼                            | 7/8 × ¾                                            | 2                   | 77               | NTZ108A1LR1A         | 10805                                       | <b>120F0075</b>                  | NTZ108A3LR1A         | 10536                                       | <b>120F0029</b>                  | NTZ108A4LR1B         | 10536                                       | <b>120F0238</b>                  |
| 1 ¾ × 1 ¼                            | 1 ½ × ¾                                            | 2                   | 77               | NTZ136A1LR1A         | 13901                                       | <b>120F0076</b>                  | NTZ136A3LR1A         | 13901                                       | <b>120F0030</b>                  | NTZ136A4LR1B         | 13901                                       | <b>120F0236</b>                  |
| 1 ¾ × 1 ¼                            | 1 ½ × ¾                                            | 4                   | 137              |                      |                                             |                                  | NTZ215A3LR1A         | 21461                                       | <b>120F0031</b>                  | NTZ215A4LR1B         | 21461                                       | <b>120F0240</b>                  |
| 1 ¾ × 1 ¼                            | 1 ½ × ¾                                            | 4                   | 141              |                      |                                             |                                  | NTZ271A3LR1A         | 29788                                       | <b>120F0032</b>                  | NTZ271A4LR1B         | 29788                                       | <b>120F0242</b>                  |

<sup>1</sup> Evaporating temperature = -25 °F, condensing temperature = 105 °F, superheat = 20 °F, subcooling = 0 °F.

<sup>2</sup> Single compressor, threaded sight glass, 3/8 in. oil equalization connection.

Capacitor values and relays for 1 phase compressors are available on page 62.