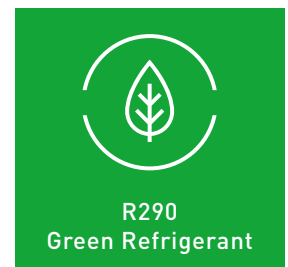
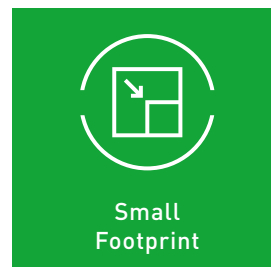
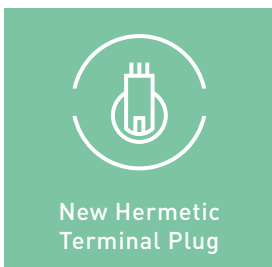
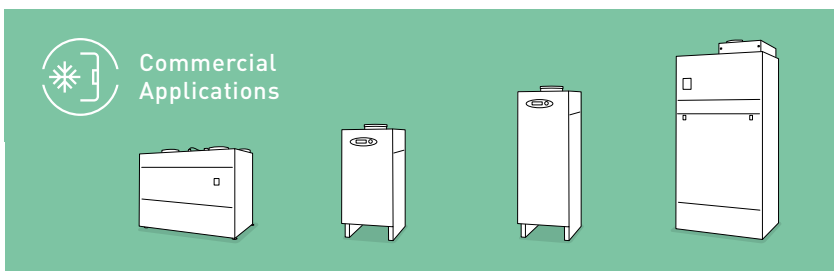


R290 · 220–240 V | 50 Hz

# COMPACT SIZE · LOW NOISE CONSISTENT PERFORMANCE

**SECCP**



## → First-Class Robustness

- Robustness for liquid return
- Stability during defrosting by hot gas
- Noise/vibration reduction compared to similar products

## → Up to 30% Increased Efficiency Compared to HFC Refrigerants Solution

- No significant system optimizations necessary

## → Multiple Conformity

- Natural refrigerant solution
- Low GWP at maximum capacity
- Regulatory compliance and environmentally friendly with R290

## → Less Vibrations and Silent Operation

- Less complex internal heat pump piping
- Less distracting noise in living environments

## → No Refrigerant Losses

- Longer operating life of the whole heat pump system
- Consistent performance

## → Innovative Solution for Flammable Refrigerants

- Innovative patented hermetic terminal plug

Secop's robust and powerful compressors are engineered to drive domestic hot water heat pumps. By utilizing ambient air energy, these systems easily cover the annual hot water needs of 2 to 3 people, making them ideal for apartment complexes. With a typical tank capacity of up to 200 liters, they can produce roughly 600 liters of hot water within 24 hours.

Domestic hot water heat pumps are highly efficient systems that significantly lower heating costs through minimal electricity consumption. They easily outperform traditional electric water heaters and are perfectly suited for integration with solar panels.

An input of 1 kWh of electrical power can generate up to 4.5 to 5 kWh of output power (heating capacity).

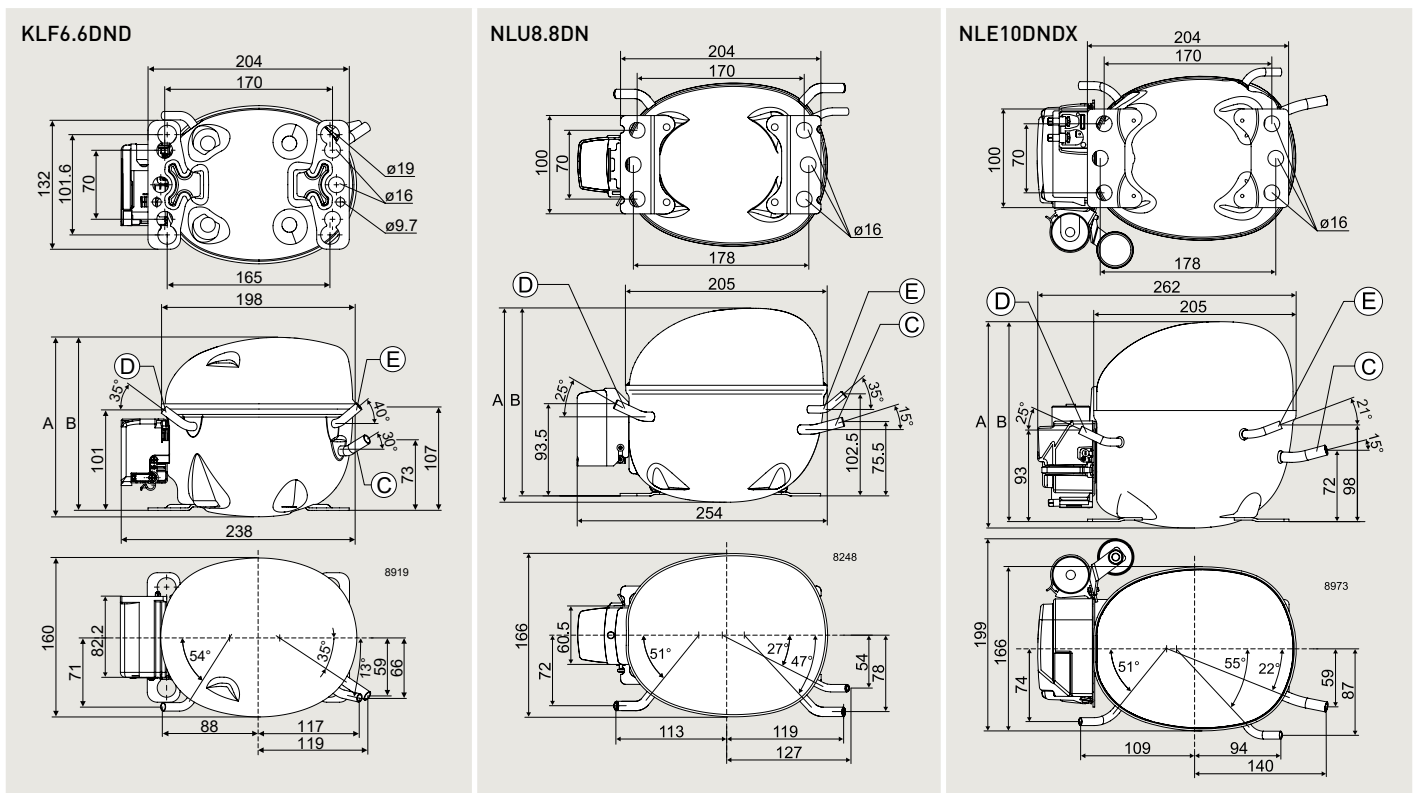
Furthermore, Secop propane heat pump compressors operate reliably at high evaporation temperatures and withstand extreme liquid refrigerant returns. To guarantee safety, the compressors feature a patented Secop hermetic terminal plug. This innovation ensures the secure use of R290 by preventing the root causes of electrical arcing commonly associated with flammable refrigerants.

| General                        | KLF6.6DND                        | NLU8.8DN                             | NLE10DNDX  |
|--------------------------------|----------------------------------|--------------------------------------|------------|
| Compressor                     | 106H2707*                        | 105H6084   105H6085 (direct suction) | 105H7010   |
| Approvals                      | VDE pending<br>*preliminary data | VDE                                  | VDE        |
| Application                    | R290                             |                                      |            |
| Application                    | MBP/HBP                          | MBP/HBP                              | MBP/HBP    |
| Evaporating temperature °C     | -25 to 15                        | -25 to 15                            | -25 to 25  |
| Voltage range / frequency V/Hz | 198-254/50                       | 198-254/50                           | 198-254/50 |

| Performance Data ASHRAE HBP (220 V, 50 Hz • fan cooling • run capacitor) |                                                                                                                             |      |      |      |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------|------|------|
| Evaporating temp.                                                        | °C                                                                                                                          | 7.2  | 7.2  | 7.2  |
| Cooling capacity                                                         | W                                                                                                                           | 966  | 1210 | 1467 |
| Power consumption                                                        | W                                                                                                                           | 321  | 392  | 477  |
| COP                                                                      | W/W                                                                                                                         | 3.01 | 3.09 | 3.08 |
| Test conditions                                                          | Condensing temperature: 54.4 °C   Suction gas temperature: 35 °C   Ambient temperature: 32 °C   Liquid temperature: 46.1 °C |      |      |      |

| Performance Data CECOMAF HBP (220 V, 50 Hz • fan cooling • run capacitor) |                                                                                                                         |      |      |      |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|------|------|------|
| Evaporating temp.                                                         | °C                                                                                                                      | 5    | 5    | 5    |
| Cooling capacity                                                          | W                                                                                                                       | 822  | 1008 | 1226 |
| Power consumption                                                         | W                                                                                                                       | 317  | 387  | 469  |
| COP                                                                       | W/W                                                                                                                     | 2.59 | 2.60 | 2.62 |
| Test conditions                                                           | Condensing temperature: 55 °C   Suction gas temperature: 32 °C   Ambient temperature: 32 °C   Liquid temperature: 55 °C |      |      |      |

| Dimensions                   | KLF6.6DND                                                           | NLU8.8DN                       | NLE10DNDX                      |
|------------------------------|---------------------------------------------------------------------|--------------------------------|--------------------------------|
| Height mm                    | A 182                                                               | 203                            | 209                            |
|                              | B 175                                                               | 197                            | 203                            |
| Suction connector location   | I.D. mm   angle material   seal<br>C 8.2   30° Copper   Rubber plug | 8.2   15° Copper   Rubber plug | 8.2   15° Copper   Rubber plug |
| Process connector location   | I.D. mm   angle material   seal<br>D 6.2   35° Copper   Rubber plug | 6.2   25° Copper   Rubber plug | 6.2   25° Copper   Rubber plug |
| Discharge connector location | I.D. mm   angle material   seal<br>E 6.2   40° Copper   Rubber plug | 6.2   21° Copper   Rubber plug | 6.2   21° Copper   Rubber plug |
| Connector tolerance I.D. mm  | ±0.09                                                               | ±0.09                          | ±0.09                          |



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