

R290 · 220–240 V | 50 Hz · 220–240 V | 60 Hz

COMBINING COMPACT SIZE WITH HIGH PERFORMANCE

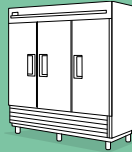
SECCP



SCE Plus



Commercial
Applications



New Hermetic
Terminal Plug



Broad Application
Range (LBP & MBP)



High
Efficiency



Small
Footprint



R290
Green Refrigerant

→ Increased Cooling Capacity

- Extended displacement for a wider range of applications

→ First-Class Robustness

- Improved robustness for liquid return
- Increased stability during defrosting by hot gas
- Improved noise/vibration reduction compared to similar products

→ Optimized Electrical System (IP23 Protection Class)

- More compact, easier installation
- Additional connections
- Flexible configuration options

→ Innovative Solution for Flammable Refrigerants

- Innovative patented hermetic terminal plug

→ Multiple Conformity

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

The new **SCE Plus** refrigeration compressor series from Secop expands the legendary S-Series by a displacement of 23 and 25 cm³. It combines compact size with high performance and is optimized for R290 (propane) to ensure high energy efficiency. This solution is perfect for applications such as supermarket refrigerators/freezers, walk-in freezers, double glass door merchandizers, and much more.

Secop sets new standards in terms of compactness, cooling capacity and reliability with the SCE Plus series. It has been specially developed to support the new IEC approvals for HC refrigerant charges from 150 g to 500 g in commercial refrigeration systems and offers an ultra-compact hermetic compressor solution.

Secop SCE Plus compressors offer optimized start equipment, are resistant to extreme liquid refrigerant returns, and include a special solution for a safe use of flammable hydrocarbons refrigerants. The starting accessories include a highly integrated relay as well as starting and running capacitors. These components are compact and easy to install and come with integrated PTC and NTC to reduce peak currents and voltage spikes, which increases safety and service life. In addition, the series is equipped with a patented Secop hermetic terminal plug that ensures safe use of the R290 refrigerant to prevent root causes of electrical arcs injection with flammable refrigerants.

| Application | | R290 | | | | | | | |
|---------------------------|------|------------|------------|------------|------------|------------|------------|------------|------------|
| Application | | LBP | MBP | LBP | MBP | LBP | MBP | LBP | MBP |
| Evaporating temperature | °C | -40 to -5 | -25 to 10 | -40 to -5 | -25 to 10 | -40 to -5 | -25 to 10 | -40 to -5 | -25 to 10 |
| Voltage range / frequency | V/Hz | 198–254/50 | 198–254/50 | 198–254/50 | 198–254/50 | 195–254/60 | 195–254/60 | 195–254/60 | 195–254/60 |

| Performance Data CECOMAF (220 V, 50 Hz • fan cooling) | | | | | | (230 V, 60 Hz • fan cooling) | | | |
|---|---|------|------|------|------|------------------------------|------|------|------|
| Evaporating temp. | °C | -25 | -10 | -25 | -10 | -25 | -10 | -25 | -10 |
| Cooling capacity | W | 773 | 1523 | 881 | 1660 | 906 | 1793 | 988 | 1920 |
| Power consumption | W | 634 | 873 | 699 | 992 | 744 | 1022 | 808 | 1130 |
| COP | W/W | 1.22 | 1.74 | 1.26 | 1.67 | 1.22 | 1.75 | 1.22 | 1.70 |
| Test conditions | Condensing temperature: LBP: 55°C, MBP: 55°C Suction gas temperature: LBP: 32.2°C, MBP: 32.2°C Ambient temperature: LBP: 32°C, MBP: 32°C Liquid temperature: LBP 55°C, MBP: 55°C | | | | | | | | |

| Dimensions | | | | |
|------------------------------|---------------------------------|----|------------------------------------|------------------------------------|
| Height | mm | A | 236 | 236 |
| | | B | 231 | 231 |
| | | B1 | 212 | 212 |
| | | B2 | 127 | 127 |
| Suction connector location | I.D. mm angle material seal | C | 12.9 37° Copper Rubber plug | 12.9 37° Copper Rubber plug |
| Process connector location | I.D. mm angle material seal | D | 6.2 37° Copper Rubber plug | 6.5 37° Copper Rubber plug |
| Discharge connector location | I.D. mm angle material seal | E | 8.2 37° Copper Rubber plug | 8.2 37° Copper Rubber plug |
| Connector tolerance | I.D. mm | | ±0.09 | ±0.09 |

