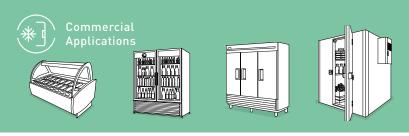
# COMBINING COMPACT SIZE WITH HIGH PERFORMANCE



















# → 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

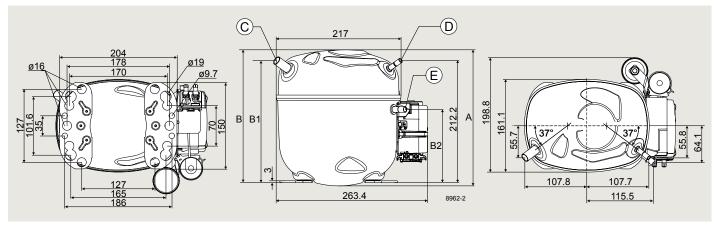
The new **SCE Plus** refrigeration compressor series from Secop expands the legendary S-Series by a displacement of 23 and 25 cm³. It combines compact size with high performance and is optimized for R290 (propane) to ensure high energy efficiency. This solution is perfect for applications such as supermarket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

General		SCE23LNDX	SCE23MNDX	SCE25LNDX	SCE25MNDX		
Compressor		104H8320	104H8300	104H8420	104H8400		
Approvals				5-2-34 with Annex AA, C/EN 60079-15, CCC			
Application		R290					
Application		LBP	MBP	LBP	MBP		
Evaporating temperatu	re °C	-40 to -5	-25 to 10	-40 to -5	-25 to 10		
oltage range / frequency V/Hz		198–254/50	198-254/50	198-254/50	198-254/50		
Performance Data AS	HRAE LBP/MBP (220	V, 50 Hz • fan cooling)					
Evaporating temp.	°C	-23.3	-6.7	-23.3	-6.7		
Cooling capacity	W	1041	1909	1178	2077		
Power consumption	W	661	915	728	1036		
COP	W/W	1.58	2.09	1.62	2.01		
Test conditions			Condensing temperature: LBP: 54.4 °C, MBP: 54.4 °C   Suction gas temperature: LBP: 32.2 °C, MBP: 35 ° Ambient temperature: LBP: 32.2 °C, MBP: 32.2 °C   Liquid temperature: LBP 32.2 °C, MBP: 46.1 °C				
Performance Data CE	<b>COMAF</b> (220 V, 50 Hz	• fan cooling)					
Evaporating temp.	°C	-25	-10	-25	-10		
Cooling capacity	W	773	1523	881	1660		
Power consumption	W	634	873	699	992		
COP	W/W	1.22	1.74	1.26	1.67		
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				
Performance Data EN	<b>12900</b> (220 V, 50 Hz	• fan cooling)					
Evaporating temp.	°C	-35	-10	-35	-10		
Cooling capacity	W	615	1701	676	1838		
Power consumption	W	476	797	537	882		
COP	W/W	1.29	2.13	1.26	2.08		
Test conditions			Condensing temperature: LBP: 40°C, MBP: 45°C   Suction gas temperature: LBP: 20°C, MBP: 20°C Ambient temperature: LBP: 32°C, MBP: 32°C   Liquid temperature: LBP 40°C, MBP: 45°C				
Dimensions							
Height		А	236.4				
	mm	В	3 230.6				
		B1		212			
		B2		127			
				.2   37°			

Dimensions				
Height	mm	А	236.4	
		В	230.6	
		В1	212	
		B2	127	
Suction connector location	I.D. mm   angle material   seal	С	10.2   37° Copper   Rubber plug	
Process connector location	I.D. mm   angle material   seal	D	6.2   37° Copper   Rubber plug	
Discharge connector location	I.D. mm   angle material   seal	Е	6.2   37° Copper   Rubber plug	
Connector tolerance	I.D. mm		±0.09	



 $\textbf{Secop GmbH} \cdot \textbf{Lise-Meitner-Str.} \ 29 \cdot 24941 \ \textbf{Flensburg, Germany} \cdot \textbf{Tel: +49} \ 461 \ 4941 \ 0 \cdot \textbf{www.secop.com}$ 

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