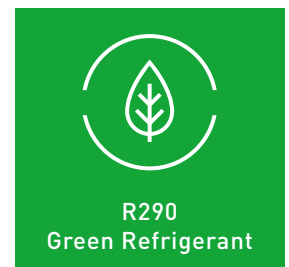
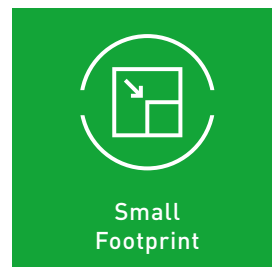
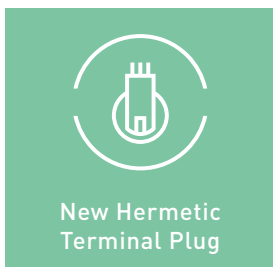
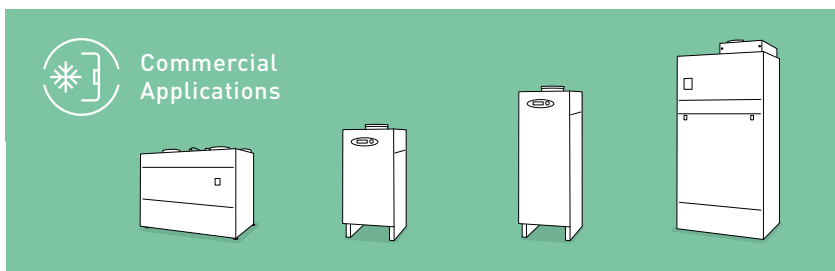


R290 · 220–240 V | 50 Hz

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		VDE		VDE	
*preliminary data, to be released Q1/2027							
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	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	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	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	

KLF6.6DND

8919

NLU8.8DN

8248

NLE10DNDX

8973