

R290 · 100–240V | 50/60 Hz

THE MOST POWERFUL PROPANE COMPRESSOR

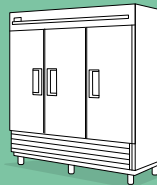
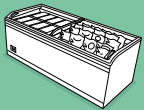
SECCP



SLVE-CN MP Multipurpose



Commercial
Applications



Variable-Speed
Efficiency



Premium
Controllers



Wide Application
Range



Effective
Solutions



Sustainability

- Achieves more than 2 kW cooling capacity and a COP of up to 2.25 (ASHRAE MBP)
- Able to operate continuously inside an evaporating temperature range from -45 to +10°C
- Energy savings of up to 40% compared to a fixed speed R404A compressor
- Suitable for both LBP and MBP applications
- Intelligent variable-speed drive °CCD controller (Cool Capacity Drive) with automatic input detection and IP54 housing
- The controller provides a high starting torque and can start against a high differential pressure
- 2 additional relay outputs for case control
- 2-speed defrost control
- Easy customization via Tool4Cool®

Secop's new **SLVE18CN** propane variable speed compressor – perfect cooling efficiency, tailor-made features and easy integration.

This energy-optimized 18 cc. compressor is the perfect choice for food retail, food storage, and other commercial application

It comes with our °CCD **MP (Multipurpose)** controller featuring speed control through Adaptive Energy Optimization (AEO), frequency signal, or serial communication. This multi-voltage controller can be used for all voltages and frequencies globally and offers US GFCI (Ground Fault Circuit Interrupter) conformity.

The new MP controller features improved robustness and safety: fire-proof IP54 housing, PCB coating, galvanic isolated I/Os, and SW safety layers.

The SLVE18CN is the right choice if you are looking for a green solution using the environmentally-friendly refrigerant propane (R290) with a low global warming potential (GWP 3).

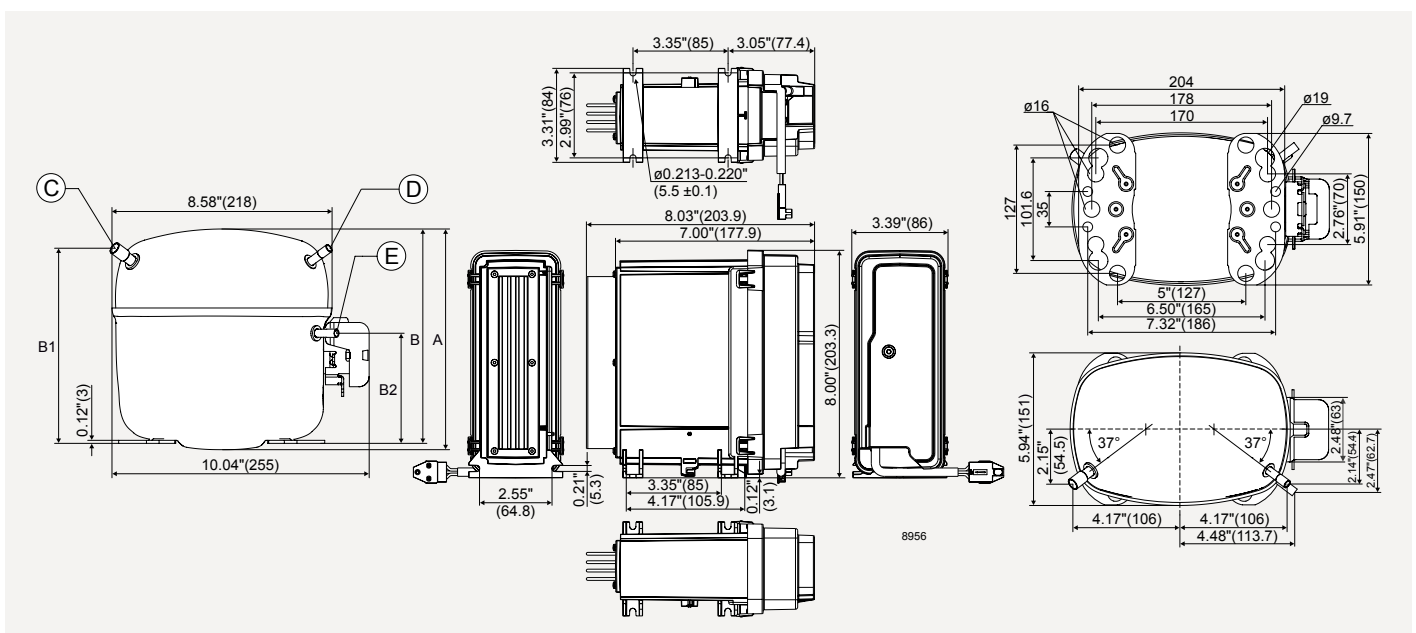
General			SLVE18CN (metric connectors)	SLVE18CN (inch connectors)
Compressor			104H8846	104H8845
Electronic unit - MP Multi-Voltage	100–240 V		105N4932	105N4932
Approvals (US GFCI-Conformity)	50/60 Hz		VDE, CCC, UL, CB	VDE, CCC, UL, CB
Power Factor Correction			PFC according to EN 61000-3-2:2014	

Application		R290	
Application		LBP/MBP	LBP/MBP
Evaporating temperature	°C (°F)	-45 to 10 [-49 to 45]	-45 to 10 [-49 to 45]
Voltage range / frequency	V/Hz	90–270 / 50/60 (Multi Voltage)	90–270 / 50/60 (Multi Voltage)
Speed range	rpm	2200–4500	2200–4500

Performance Data ASHRAE LBP (230 V, 50/60 Hz • fan cooling) @ -23.3°C (-10°F) evaporating temperature									
Speed	rpm	2200	2400	2600	2800	3000	3500	4000	4500
Cooling capacity	W	666	721	776	832	887	989	1091	1192
	BTU/h	2275	2462	2649	2840	3029	3377	3725	4072
Power consumption	W	386	416	446	476	505	575	645	714
COP	W/W	1.73	1.73	1.74	1.75	1.76	1.72	1.69	1.67
EER	BTU/Wh	5.91	5.92	5.94	5.97	6.00	5.87	5.78	5.70
Test conditions	Condensing temp.: 54.4°C (130°F) Suction gas temp.: 32.2°C (90°F) Ambient temp.: 32.2°C (90°F) Liquid temp.: 32.2°C (90°F)								

Performance Data ASHRAE MBP (230 V, 50/60 Hz • fan cooling) @ -6.7°C (20°F) evaporating temperature									
Speed	rpm	2200	2400	2600	2800	3000	3500	4000	4500
Cooling capacity	W	1199	1298	1397	1497	1597	1780	1963	2146
	BTU/h	4095	4431	4768	5111	5452	6078	6704	7330
Power consumption	W	542	584	626	668	710	808	906	1004
COP	W/W	2.21	2.22	2.23	2.24	2.25	2.20	2.17	2.14
EER	BTU/Wh	7.55	7.58	7.61	7.65	7.68	7.52	7.40	7.30
Test conditions	Condensing temp.: 54.4°C (130°F) Suction gas temp.: 35°C (95°F) Ambient temp.: 32.2°C (90°F) Liquid temp.: 46.1°C (115°F)								

Dimensions		104H8846		104H8845
Height	mm (inch)	A	219	219 [8.62]
		B / B1 / B2	213 / 193 / 110	213 / 193 / 110 [8.39 / 7.60 / 4.33]
Suction connector	location/I.D. mm (inch) angle material seal	C	10.2 37° Copper Rubber plug	10.2 [0.378-0.385] 37° Copper Rubber plug
Process connector	location/I.D. mm (inch) angle material seal	D	6.2 37° Copper Rubber plug	6.5 [0.252-0.259] 37° Copper Rubber plug
Discharge connector	location/I.D. mm (inch) angle material seal	E	6.2 37° Copper Rubber plug	6.5 [0.252-0.259] 37° Copper Rubber plug
Connector tolerance	I.D. mm		±0.09	–



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