

WITH MORE THAN 60 YEARS OF EXPERIENCE IN COMPRESSOR TECHNOLOGY AND HIGHLY DEDICATED EMPLOYEES, OUR FOCUS IS ON DEVELOPING AND

APPLYING ADVANCED COMPRESSOR TECHNOLOGIES TO ACHIEVE STANDARD SETTING PERFORMANCE FOR LEADING PRODUCTS AND BUSINESSES AROUND THE WORLD.

SECCP

NO MORE ENERGY WASTE WITH VARIABLE SPEED COMPRESSORS

R290

DLV-CN COMPRESSORS
220-240 V, 50/60 Hz



up to **40%**

ENERGY REDUCTION

POSSIBLE WITH VARIABLE SPEED CONTROL IN SUPERMARKET AND CONVENIENCE STORE CABINETS, COMPARED TO NON-OPTIMISED COMPRESSORS.



IP54

HIGH PROTECTION CLASS
AGAINST DUST AND WATER JETS



DLV VARIABLE SPEED COMPRESSORS, 220-240 V AT 50/60 Hz

The new variable speed DLV propane compressors provide perfect cooling efficiency and easy integration while ensuring considerable energy savings. It 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).

The new °CCD® controller features a high IP54 protection class and a common interface to case controllers from all major suppliers and uses speed control through Adaptive Energy Optimization (AEO), or frequency signal or serial communication. Only the variable speed design can obtain energy savings of up to 40% when compared to fixed speed compressors in on/off operation mode.

The controller also provides a high starting torque and can start against a differential pressure. The DLV noise level is up to 10 dBA lower than the level of comparable fixed speed compressors.

Benefits

- Energy savings of up to 40%
- IP54 controller housing
- Common interface to case controllers
- Suitable for LBP and MBP applications
- High starting torque
- Easy customization via TOOL4COOL® software
- Reduction of total cost of ownership
- Fast payback of incremental investment

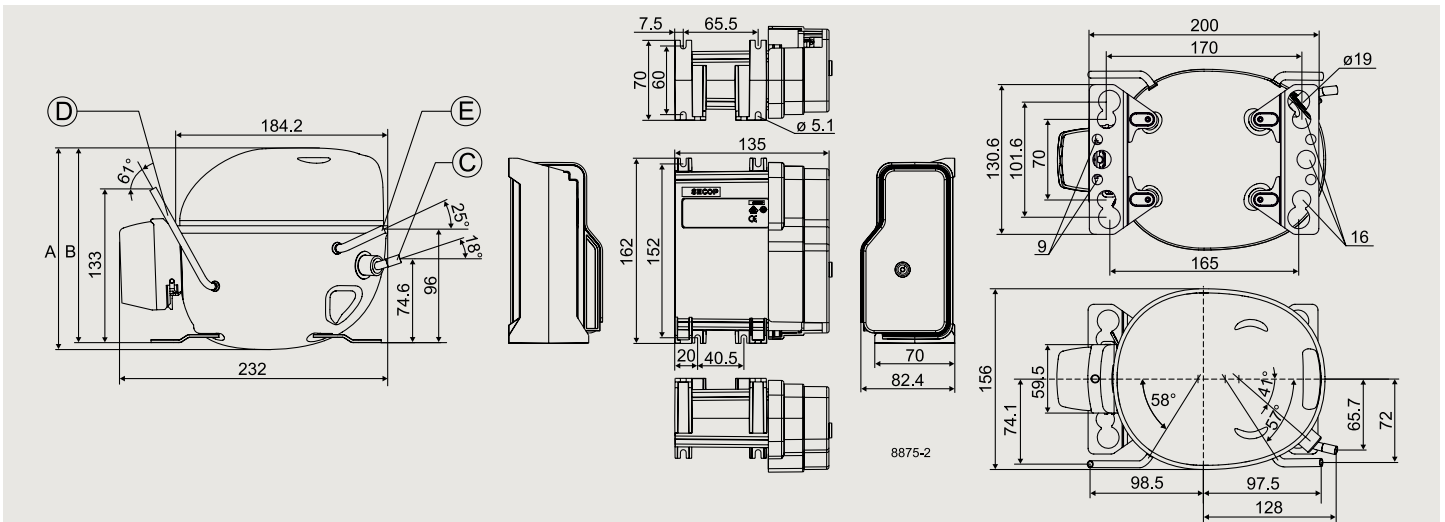
General (code numbers)	DLV4.0CN		DLV5.7CN	
Compressor connectors: metric inch	102H3498	102H3496	102H3698	102H3497
Electronic unit	105N4410			
Approvals	EN 60335-2-34 with Annex AA			
Electronic unit - with PFC	105N4510 (with Power Factor Correction according to EN 61000-3-2:2014)			
Approvals	EN 60335-2-34 with Annex AA, CCC			

Application	DLV4.0CN				DLV5.7CN			
Application	LBP/MBP				LBP/MBP			
Evaporating temperature °C	-35 to 7.2				-35 to 7.2			
Voltage range / frequency V/Hz	180 - 270 / 50/60				180 - 270 / 50/60			
Speed range rpm	2000 - 4500				2000 - 4500			

Performance data ASHRAE LBP (230 V, 50/60 Hz • fan cooling) @ -23.3 °C evaporating temperature																
Speed rpm	2000	2250	2500	2750	3000	3500	4000	4500	2000	2250	2500	2750	3000	3500	4000	4500
Cooling capacity W	119	136	153	170	186	219	251	299	185	212	239	266	293	346	400	448
Power consumption W	79	87	95	106	116	137	158	175	113	127	142	156	171	201	231	266
COP W/W	1.51	1.57	1.61	1.61	1.60	1.60	1.59	1.72	1.64	1.67	1.69	1.70	1.71	1.72	1.73	1.69
Test conditions	Condensing temperature: 54.4°C Suction gas temperature: 32.2°C Ambient temperature: 32.2°C Liquid temperature: 32.2°C															

Performance data ASHRAE MBP (230 V, 50/60 Hz • fan cooling) @ -6.7 °C evaporating temperature																
Speed rpm	2000	2250	2500	2750	3000	3500	4000	4500	2000	2250	2500	2750	3000	3500	4000	4500
Cooling capacity W	225	257	289	319	349	410	471	549	339	389	439	481	523	608	692	775
Power consumption W	107	118	129	143	157	186	215	238	1158	1329	1500	1644	1788	2075	2363	2647
COP W/W	2.11	2.18	2.25	2.23	2.22	2.20	2.19	2.31	2.20	2.23	2.25	2.24	2.24	2.23	2.23	2.18
Test conditions	Condensing temperature: 54.4°C Suction gas temperature: 35°C Ambient temperature: 35°C Liquid temperature: 46.1°C															

Dimensions	102H3498 / 102H3698 (metric connectors)				102H3496 / 102H3497 (inch connectors)			
Height mm (in.)	A 175				175 (6.89)			
	B 169				169 (6.65)			
Suction connector location/l.D. mm (in.) angle	C 8.2 18°				8.2 (0.320-0.327) 18°			
material seal	Copper Rubber plug				Copper Rubber plug			
Process connector location/l.D. mm (in.) angle	D 6.2 61°				6.5 (0.252-0.259) 61°			
material seal	Copper Rubber plug				Copper Rubber plug			
Discharge connector location/l.D. mm (in.) angle	E 6.2 25°				6.5 (0.252-0.259) 25°			
material seal	Copper Rubber plug				Copper Rubber plug			
Conn. tolerance l.D. mm	±0.09				-			



Secop GmbH · Mads-Clausen-Str. 7 · 24939 Flensburg · Germany · Tel: +49 461 4941 0 · www.secop.com

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