



Reduce everything but cooling capacity Make the natural choice with propane compressors



R290

Optimised compressors

make the transition from R134a/
R404A a natural choice through a
perfect balance between
performance and costs.

SC12CNX.2
115V-60Hz
1.89-3.03P NST



Danfoss propane compressors

– tailored for light commercial refrigeration applications

By using a highly reliable technology Danfoss offers an outstanding environmentally friendly compressor that uses propane as refrigerant.

Tailored to the predominant applications in the market ranging from LBP to MBP, our latest addition is available in a product range from TL, NL to SC12CNX.2. This enables considerable energy savings with small compressor dimensions and displacement respectively.

The new propane compressor offers a wide range of cooling capacities, particularly at low and very low evaporating temperatures (-49 °F to -41 °F), and it is the right choice if you are looking for a green solution.

Product advantages

- **Environmentally friendly**
 - Natural refrigerant
- **Smaller compressor dimensions or smaller displacements possible**
 - Higher cooling capacity
- **Low noise level, innovative compressor technology**
- **Compact start equipment (SC-CNX.2, CSIR motor)**
- **Low energy consumption**
 - High cooling capacity
 - High COP
- **High thermal working conditions**
 - Oil and surface cooling
 - Integrated winding protection

- **High product quality**
- **Wide voltage range**

Customer benefits

- **Propane (R290) is a natural gas and has only minimum impact on the environment**
- **Compact cabinets**
- **Low sound emission**
- **Reduced installation costs**
- **Low running costs**
- **Application at high ambient temperature possible**
- **High appliance and system robustness at rough operating conditions**
- **Insensitive towards unstable electric power supply**

General compressor data

Application: LBP/MBP	Evaporating temperature in °F: -49 to 41		
Voltage range: V 95-135	Frequency: 60 Hz	Approval: UL984	

Cooling capacity in BTU/h		Evap. temp. in °F													
		-49	-40	-30	-20	-13	-10	0	10	14	20	30	40	41	45
SC10CNX.2 (104H7070)	ASHRAE LBP		204	571	1007	1359	1523	2133	2848	3167	3682	4649	5762	5882	6378
	ASHRAE MBP/HBP		181	509	896	1209	1355	1896	2530	2812	3269	4123	5104	5210	5646
SC12CNX.2 (104H7270)	ASHRAE LBP	268	589	1005	1500	1899	2085	2776	3587	3949	4533	5627	6887	7022	7583
	ASHRAE MBP/HBP	239	524	895	1334	1689	1855	2468	3187	3506	4023	4990	6101	6220	6714

115V, 60Hz, fan cooling F2 – Ashrae conditions

LBP rating conditions: evaporating temperature 130°F, ambient temperature 90°F, suction gas temperature 90°F, liquid temperature 90°F

HBP/MBP rating conditions: evaporating temperature 130°F, ambient temperature 90°F, suction gas temperature 95°F, liquid temperature 115°F



Danfoss is a leading developer of products and solutions that focus on climate and energy.

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