Mbsm.pro, SECOP, DLE4CNT,compressor, 102H4460, 4cm3, r290, 1hp/220v, Lbp freezing (1/4 hp 193w -23.3°C / 54.4°C), mhbp semi-freezing (3/8 hp 341w -6.7°C / 54.4°C), HBp Cooling (5/8 hp 516w 7.2°C/54.4°C)

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The SECOP DLE4CNT (102H4460) compressor is a versatile refrigeration unit designed for various cooling applications. Below is a detailed overview of its specifications, performance metrics, and applications.

SECOP DLE4CNT (102H4460) Compressor

Overview

Key Specifications

- **Model**: DLE4CNT
- **Order Code**: 102H4460
- **Refrigerant**: R290 (propane)
- **Power Supply**: 220-240V, 50Hz
- **Displacement**: 4.00 cm³
- **Cooling Capacity**:
  - **Low Back Pressure (LBP) Freezing**:
    - **1/4 HP (approximately 193W)** at -23.3°C
  - **Medium High Back Pressure (MHBP) Semi-Freezing**:
    - **3/8 HP (approximately 341W)** at -6.7°C
  - **High Back Pressure (HBP) Cooling**:
    - **5/8 HP (approximately 516W)** at 7.2°C

Performance Metrics

- **Input Power**:
  - LBP Freezing: 191W at -23.3°C
  - MHBP Semi-Freezing: 338W at -6.7°C
  - HBP Cooling: 516W at 7.2°C
- **Horsepower Ratings**:
  - LBP: Approximately **1/4 HP**
  - MHBP: Approximately **3/8 HP**
  - HBP: Approximately **5/8 HP**

Applications

The SECOP DLE4CNT compressor is suitable for a variety of refrigeration applications, including:

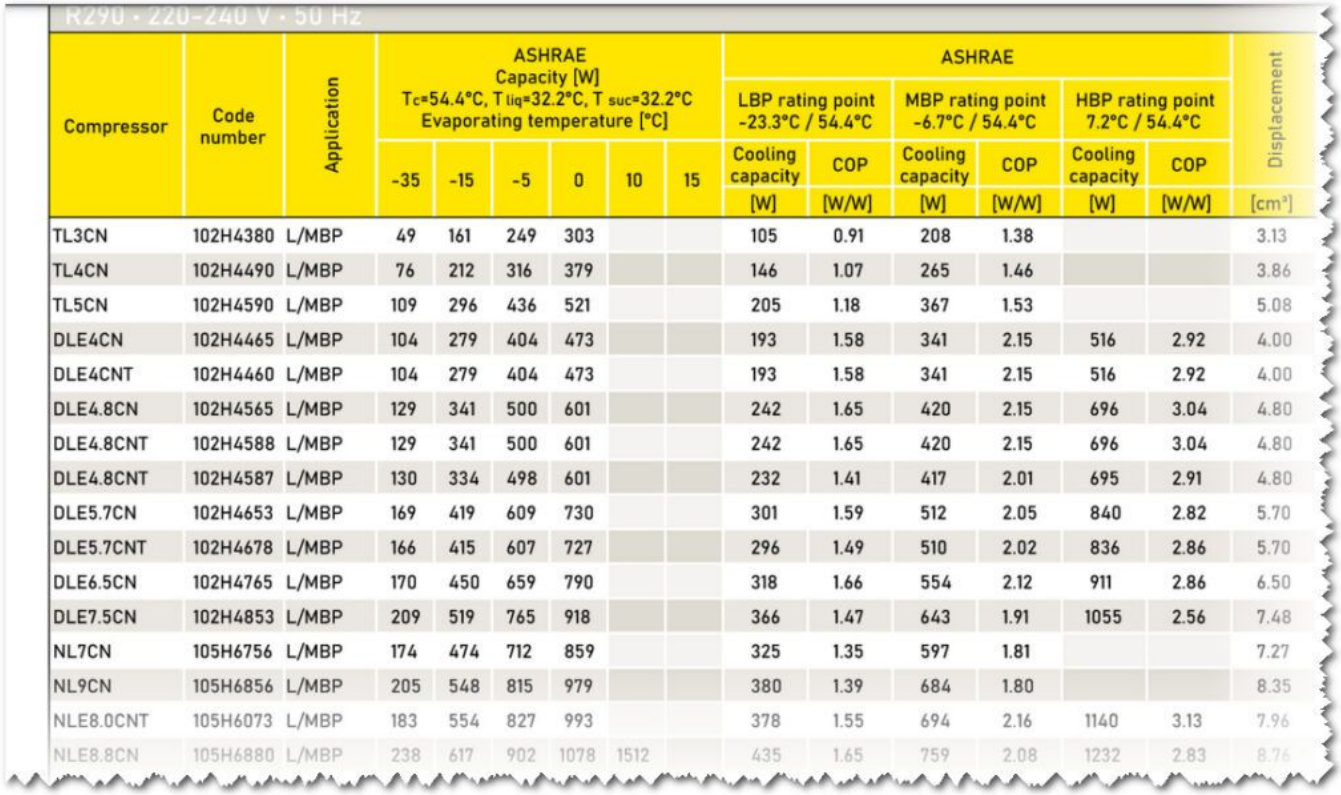
- Domestic refrigerators
- Freezers
- Commercial refrigeration systems
- Combination refrigeration units
- Heat pumps

Features and Benefits

- **Energy Efficiency**: The compressor is engineered to provide effective cooling while maintaining low energy consumption, which is beneficial for both residential and commercial use.
- **Eco-Friendly Refrigerant**: Utilizing R290, a natural refrigerant, the DLE4CNT complies with modern environmental standards by having a low global warming potential.
- **Versatile Performance**: This compressor operates efficiently across different temperature ranges, making it adaptable for various refrigeration needs.

Conclusion

The SECOP DLE4CNT (102H4460) compressor stands out as a reliable and efficient solution for diverse cooling applications. Its use of eco-friendly refrigerants and robust performance metrics make it an excellent choice for both residential and light commercial refrigeration systems.



R290 · 220-240 V · 50 Hz

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, T liq=32.2°C, T suc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C		
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP	
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]	[cm³]
TL3CN	102H4380	L/MBP	49	161	249	303			105	0.91	208	1.38			3.13
TL4CN	102H4490	L/MBP	76	212	316	379			146	1.07	265	1.46			3.86
TL5CN	102H4590	L/MBP	109	296	436	521			205	1.18	367	1.53			5.08
DLE4CN	102H4465	L/MBP	104	279	404	473			193	1.58	341	2.15	516	2.92	4.00
DLE4CNT	102H4460	L/MBP	104	279	404	473			193	1.58	341	2.15	516	2.92	4.00
DLE4.8CN	102H4565	L/MBP	129	341	500	601			242	1.65	420	2.15	696	3.04	4.80
DLE4.8CNT	102H4588	L/MBP	129	341	500	601			242	1.65	420	2.15	696	3.04	4.80
DLE4.8CNT	102H4587	L/MBP	130	334	498	601			232	1.41	417	2.01	695	2.91	4.80
DLE5.7CN	102H4653	L/MBP	169	419	609	730			301	1.59	512	2.05	840	2.82	5.70
DLE5.7CNT	102H4678	L/MBP	166	415	607	727			296	1.49	510	2.02	836	2.86	5.70
DLE6.5CN	102H4765	L/MBP	170	450	659	790			318	1.66	554	2.12	911	2.86	6.50
DLE7.5CN	102H4853	L/MBP	209	519	765	918			366	1.47	643	1.91	1055	2.56	7.48
NL7CN	105H6756	L/MBP	174	474	712	859			325	1.35	597	1.81			7.27
NL9CN	105H6856	L/MBP	205	548	815	979			380	1.39	684	1.80			8.35
NLE8.0CNT	105H6073	L/MBP	183	554	827	993			378	1.55	694	2.16	1140	3.13	7.96
NLE8.8CN	105H6880	L/MBP	238	617	902	1078	1512		435	1.65	759	2.08	1232	2.83	8.76

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