WE HAVE MORE THAN 40 YEARS OF EXPERIENCE DEVELOPING DIRECT CURRENT COMPRESSORS AND HELPING CUSTOMERS BENEFIT FROM THE OPPORTUNITIES OF MOBILE REFRIGERATION TECHNOLOGY.

WITH IN-DEPTH KNOWLEDGE OF USE ACROSS VARIOUS APPLICATIONS, WE HAVE EARNED A POSITION AS MARKET LEADER, WORKING WITH OEM CUSTOMERS.

SECOP

CONTROL YOUR COLD CHAIN
BD VAN BOXES

BD50F | BD80F | BD250GH.2 | BD350GH | BD220CL

CCD® COOL CAPACITY DRIVE

30%

SAVINGS POSSIBLE
BY BUILDING A FLEXIBLE, BATTERY DRIVEN REFRIGERATION SYSTEM THAT FOLLOWS FOOD TO THE END OF THE COLD CHAIN

BD50F/BD80F/BD250GH.2/BD350GH/BD220CL – MOBILE EFFICIENCY FOR REFRIGERATION UNITS (60-1000 LITRES)

The most economical and efficient solution for small-scale transport is using a mobile refrigeration unit that fits easily into cars and vans, and is powered by the car's own battery. The advantages of such a solution are clear:
It is no longer necessary to alter the vehicle. Cabinets can also be moved from vehicle to vehicle and even run on 220 V AC with the help of an inverter when the engine is turned off.
In addition, the systems are more energy-efficient and can be custom built to a wide range of sizes depending on storage requirements.
Finally, an expensive, impractical, specially-adapted refrigerated van is no longer the only option on the market. In recent years, mobile cooling solutions have become increasingly competitive, and the latest solutions are far more economical, practical and efficient.

General (code numbers)	**BD50F (R134a)**	**BD80F (R134a)**	**BD250GH.2 (R134a)**	**BD350GH (R134a)**	**BD220CL (R404A/R507)**
Compressor (without electronic unit)	101Z1220	101Z0280	101Z0406	102Z3015	102Z3020
Electronic unit	101N0510	101N0390	101N0390	101N0800 + 101N0820 (alt. 101N0830)	101N0800 + 101N0820 (alt. 101N0830)

Application					
Application	LBP/MBP/HBP	LBP	LBP/MBP/HBP	LBP/MBP/HBP	LBP
Evaporating temperature °C	-30 to -5 (0)	-30 to -5	-25 to 15	-25 to 15	-45 to -5
Voltage range	12-24 V DC (9.6-17.0, 21.3-31.5 V DC) 100-240 V AC, 50/60 Hz	12-24 V DC (9.6-17.0, 21.3-31.5 V DC)	12-24 V DC (9.6-17.0, 21.3-31.5 V DC)	12 V DC (9.6-17.0 V DC)	12 V DC (9.6-17.0 V DC)

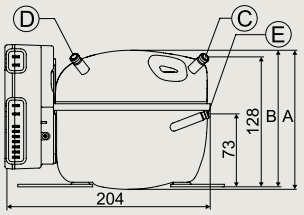
Performance data EN 12900/CECOMAF (12 V DC)		**3,500 rpm • static cooling**				**4,400 rpm • static cooling**				**4,400 rpm • static cooling**				**4,000 rpm • fan cooling**				**4,000 rpm • fan cooling**			
Evaporating temperature	°C	-30	-20	-10	-5	-30	-20	-10	-5	-25	-20	-10	0	-25	-20	-10	0	-45	-30	-20	-5
Cooling capacity	W	37	71	123	157	55	105	176	221	61	87	156	251	126	169	282	440	41	158	275	530
Power consumption	W	45	68	91	104	66	100	138	161	65	78	104	132	140	168	228	292	94	172	223	314
Current consumption	A	3.9	5.6	7.6	8.7	2.8	4.2	5.8	6.7	2.7	3.2	4.1	5.3	11.7	14.0	19.0	24.3	7.9	14.3	18.6	26.2
COP	W/W	0.82	1.04	1.35	1.51	0.83	1.05	1.27	1.37	0.94	1.11	1.51	1.89	0.90	1.01	1.24	1.51	0.43	0.92	1.23	1.70

Performance data ASHRAE LBP (12 V DC)		**3,500 rpm • static cooling**				**4,400 rpm • static cooling**				**4,400 rpm • static cooling**				**4,000 rpm • fan cooling**				**4,000 rpm • fan cooling**			
Evaporating temperature	°C	-30	-20	-10	-5	-30	-20	-10	-5	-25	-20	-10	0	-25	-20	-10	0	-45	-30	-20	-5
Cooling capacity	W	46	88	152	194	68	130	218	274	76	109	194	311	156	209	349	546	47	183	320	617
Power consumption	W	45	68	91	104	66	100	138	161	65	78	104	132	140	168	228	292	94	172	223	314
Current consumption	A	3.9	5.6	7.6	8.7	2.8	4.2	5.8	6.7	2.7	3.2	4.1	5.3	11.7	14.0	19.0	24.3	7.9	14.3	18.6	26.2
COP	W/W	1.01	1.29	1.68	1.89	1.02	1.3	1.58	1.71	1.18	1.39	1.88	2.36	1.11	1.25	1.54	1.88	0.50	1.06	1.43	1.96

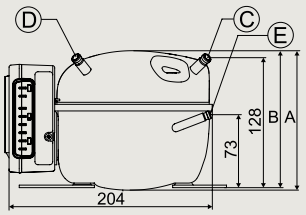
Dimensions						
Height	mm	A	137	137	137	173	173
		B	135	135	135	169	169
Suction connector	location/I.D. mm | angle	C	6.2 | 40°	6.2 | 40°	6.2 | 40°	6.2 | 90°	6.2 | 90°
	material | seal		Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap
Process connector	location/I.D. mm | angle	D	6.2 | 45°	6.2 | 45°	6.2 | 45°	6.2 | 31.5°	6.2 | 31.5°
	material | seal		Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap
Discharge connector	location/I.D. mm | angle	E	5.0 | 21°	5.0 | 21°	5.0 | 21°	5.0 | 28°	5.0 | 28°
	material | seal		Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap	Cu-plated steel | Al cap
Connector tolerance	I.D. mm		±0.09, on 5.0 +0.12/+0.20	±0.09, on 5.0 +0.12/+0.20	±0.09, on 5.0 +0.12/+0.20	±0.09, on 5.0 +0.12/+0.20	±0.09, on 5.0 +0.12/+0.20

Dimensional drawings

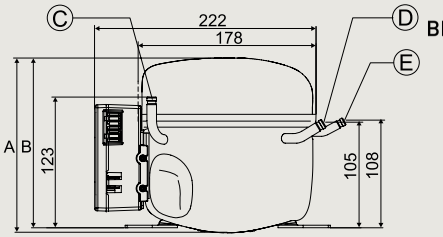
BD50F



BD80F/BD250GH.2



BD350GH/BD220CL



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