

CONTROL YOUR COLD CHAIN
BD VAN BOXES

BD50F | BD80F | BD250GH.2 | BD350GH | BD220CL



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)

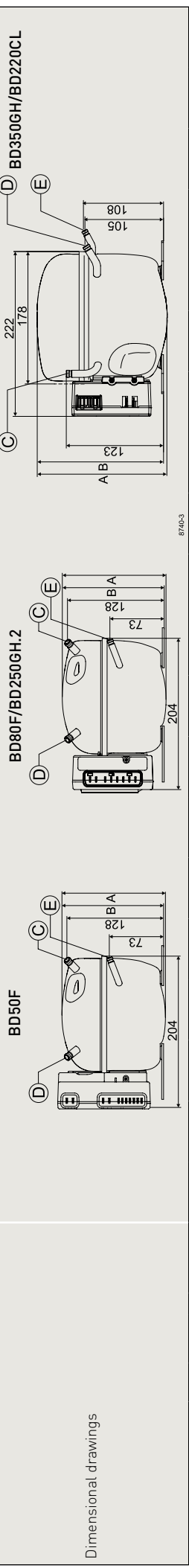
The most economical and efficient solution for small-scale transport is using a mobile refrigeration unit that fits easily into cars and vans, and is powered by the car's own battery. The advantages of such a solution are clear: It is no longer necessary to alter the vehicle. Cabinets can also be moved 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				
Evaporating temperature	-30 to -5 (0)				
Voltage range	12-24 V DC (9.6-17.0, 21.3-31.5 V DC) 100-240 V AC, 50/60 Hz				
Performance data EN 12900/CECOMAF (12 V DC)					
Evaporating temperature	-30 -20 -10 -5				
Cooling capacity	W 37	71	123	157	173
Power consumption	W 45	68	91	104	104
Current consumption	A 3.9	5.6	7.6	8.7	8.7
COP	W/W 0.82	1.04	1.35	1.51	1.51
Performance data ASHRAE LBP (12 V DC)					
Evaporating temperature	-30 -20 -10 -5				
Cooling capacity	W 46	88	152	194	217
Power consumption	W 45	68	91	104	104
Current consumption	A 3.9	5.6	7.6	8.7	8.7
COP	W/W 1.01	1.29	1.68	1.89	1.89
Performance data EN 12900/CECOMAF (230 V AC)					
Evaporating temperature	-25 to -15				
Cooling capacity	W 61	87	156	251	282
Power consumption	W 65	78	104	132	140
Current consumption	A 2.7	3.2	4.1	5.3	5.3
COP	W/W 0.94	1.11	1.51	1.89	1.89
Performance data ASHRAE LBP (230 V AC)					
Evaporating temperature	-25 -20 -10 0				
Cooling capacity	W 61	87	156	251	282
Power consumption	W 65	78	104	132	140
Current consumption	A 2.7	3.2	4.1	5.3	5.3
COP	W/W 0.90	1.01	1.24	1.51	1.51
Performance data EN 12900/CECOMAF (230 V AC) • fan cooling					
Evaporating temperature	-45 -30 -20 -5				
Cooling capacity	W 41	158	275	440	440
Power consumption	W 94	172	223	292	292
Current consumption	A 7.9	14.3	18.6	24.3	24.3
COP	W/W 0.43	0.92	1.23	1.51	1.51
Performance data ASHRAE LBP (230 V AC) • fan cooling					
Evaporating temperature	-45 -30 -20 -5				
Cooling capacity	W 41	158	275	440	440
Power consumption	W 94	172	223	292	292
Current consumption	A 7.9	14.3	18.6	24.3	24.3
COP	W/W 0.50	1.06	1.43	1.88	1.88

Dimensions

Height	A	B	C	D	E
mm	137	135	137	137	173
location/i.D. mm angle	6.2 40°	6.2 40°	6.2 40°	6.2 40°	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
location/i.D. mm angle	6.2 45°	6.2 45°	6.2 45°	6.2 45°	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
location/i.D. mm angle	5.0 21°	5.0 21°	5.0 21°	5.0 21°	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	±0.09, on 5.0 +0.12/+0.20				



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