



New mobility experience with BD-Micro Perfect performance/dimension ratio

Fridge and cooling box using BD1.4F-Micro free up space for maximum storage and compact unit in car, bus, van, boat... Cool beverages on demand make moving so much more of an experience...

μ -micro

less is more

BD 1.4F: Reduced weight and size compared to previous solutions.

45%

less weight

for the compressor that fits in 10 to 15l fridge or portable cooling box





BD1.4F Micro - small but powerful

Lose excess weight and use the extra space on what really matters. The new BD Micro from Danfoss is 60% smaller than previous models and weighs in at only 2.5 kilos. Perfect for 10-15 litre in-car/van/boat cabinets or portable boxes that need to fit into tight spaces without compromising storage space. Specially designed for maximum efficiency and reliability this tiny powerhouse of a compressor makes it easier than ever to provide class-leading mobile fridges. Variable speed function enables to increase the system COP. Low energy consumption

is good for car/boat/van batteries – and for the environment. The optimized, low-noise motor ensures outstanding performance when you want to provide that extra degree of luxury on the move.

Electronic thermostat provides an accurate temperature while failure detection allows a fast fault diagnosis. Computer interface makes it easier for customization.

Cool beverages on demand make moving so much more of an experience.

Features

- Low weight. Only 2.5 kg
- Small dimensions. Increased net volume
- Transport stable
- Fan failure detection
- Low acoustic noise level < 36dB(A)
- Meets EMI requirements for harsh environments

Functions

- Variable speed. Possible to adapt speed to the application and thereby get increased system COP.
- Electronic thermostat. Easy to set and 100% repeatability
- ECO mode thermostat. Energy saving and optimized operation.
- Fan speed control. Energy saving and noise reduction
- Computer/customers interface (1-wire Modbus). Customize and optimize operation
- Alarm log read out. Fast fault diagnosis

Technical data

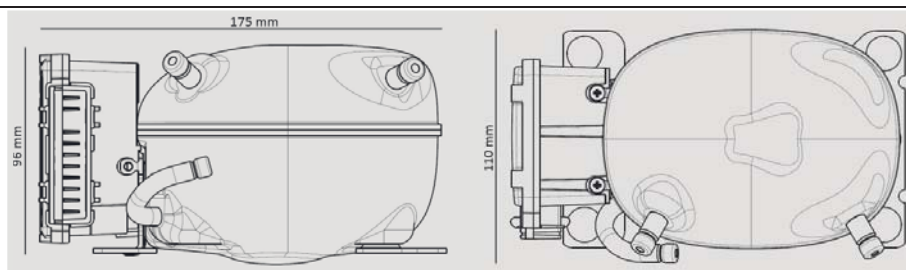
General	BD1.4F
Code number (without electronic unit)	109Z0200
Electronic unit	101N2100

Application	
Application	LBP/MBP
Evaporating temperature °C	-25 to +5
Voltage/max. voltage V DC	9 - 34
Speed range	2000 - 4000 rpm

Performance data (EN12900/CECOMAF • 3,000 rpm)					
Evaporating temperature	°C	-25	-10	-5	0
Cooling capacity	W	14.3	50.0	66.4	85.5
Power consumption	W	26.1	40.0	45.2	50.4
Current consumption	A	1.98	3.03	3.42	3.82
COP	W/W	0.55	1.25	1.47	1.70

Performance data (ASHRAE • 3,000 rpm)					
Evaporating temperature	°C	-23.3	-10	-6.7	0
Cooling capacity	W	22.1	62.3	75.3	106
Power consumption	W	27.5	39.9	43.3	50.3
Current consumption	A	2.08	3.03	3.28	3.81
COP	W/W	0.80	1.56	1.74	3.12

Dimensions	
Height	mm 96
Width	mm 110
Length	mm 175



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