



# Cool for Life

## Danfoss BD Compressors



## Tailored for people in motion



Modern comfort is brought into life when leaving home. As people goes mobile, so does food. The excellent performance of the BD series safeguards food preservation.

With our outstanding DC compressor for cars, vans, boats, trucks, etc., Danfoss has transcended the barriers for mobile refrigeration.

The direct current voltage compressors BD35F/50F/80F and BD150F for 12 V and 24 V DC power supply can be used in both refrigerators and freezers with refrigerant R134a/R404A/R507/R290/R6000a and are equipped with an electronic unit that protects against overload protection and destructive battery discharge.

### Product advantages

- Efficient and reliable
- Lasting performance
- Low weight
- Silent operation
- Ideal for solar energy supply
- Compact design
- Energy optimisation
- Speed/capacity control

### Customer benefits

- Operation under extreme conditions
- Minimum energy consumption
- Portable beyond traditional limits
- Low sound emission
- Application also at extreme voltage rate
- Fits in virtually anywhere
- Safety guard for your food



# BD35F

Refrigerant	Compressor	Code no	Code no electronic device	rpm	Capacity (EN 12900 Household/CECOMAF9 12 V d.c. static cooling)													
					-40	-35	-30	-25	-23.3	-20	-15	-10	-5	0	5	7.2	10	15
R134a	BD 35F	101Z0200	101N0210	3500			26.2	35.9	40.4	50.5	69.8	93.6	122					
	BD 50 F	101Z1220	101N0210	3500			36.7	52.2	58.3	71.4	94.9	123*	157*					
	BD 80 F	101Z0280	101N0280	4400			54.8	78.0	86.7	105	138	176	221					
	BD150F	102G4784	105N4220	4000		78	111	153	170	205	269	345						
	BD250GH	101Z0400	101N0280	4400			62.9	70.7	87.0	116	149	175	189	236	290	316	353	425
	BD250/250GH	101Z0500	101N0280	4400				126	141	174	231	299	378	471	580	633	705	849
	BD350GH 24 V DC	101Z0720	101N0710	4400				132	148	183	243	314	397	495	609	665	740	891
	BD350GH 12 V DC	101Z0720	101N0700	4400				132	148	183	243	314	397	495	609	665	740	891
R290	BD100CN	101Z0401	101N0280	4400	44.6	62.4	83.4	108	117	137	170	209						
R600a	BD35K	101Z0211	101N0210	3500			24.9	36.0	40.2	49.3	65.1	83.8	106					

\* Fan cooling of electronic unit compulsory  
Power consumption is limited to 100 W with electronic unit 101N0500

### Even cooling without power supply

Thanks to an extensive voltage rate the BD compressors are ideal for solar energy supply. The exceptionally low starting current eliminates the need for current batteries if an ice bank is used for energy storage. When storing the sun energy in ice packs the cabinet can be kept at desired temperatures both night and day.

This feature opens for numerous uses in areas without power supply like storage and transportation of drugs, ice cream stands in holiday resorts, food preservation under off road conditions, refrigerators in boats to name but a few.





**BD100CN**

R290, -40°C, -10°C evap.  
Stationary freezer application, not approved for vehicles, solar powered systems, ice cream boxes up to 200 l, pharmaceutical applications, 260 W cooling capacity.



**BD250GH and second generation BD350GH**

R134a, -30°C, +15°C evap.  
Dedicated for cabin cooling in trucks during night-times, very silent operation, 850 W cooling capacity.



**BD35K**

R600a, -30°C, +10°C evap.  
Stationary application, solar-powered vaccine coolers etc., 100-200 l coolers, 15-120 W cooling capacity.



**BD35F multivoltage**

R134a, 30°C, -10°C evap.  
All mobile applications for portable boxes, boats, trucks etc., 15-120 W cooling capacity, can be powered with AC and DC, 85-265 V AC 50/60 Hz, 12-24 V DC, automatic selection between AC and DC.



**BD35F with EMI electronic**

Designed for boats and trucks if risk of electric interference with radio and navigation equipment, 15-140 W cooling capacity.



**BD35F/50F/80F Basic**

R134a, -30°C, -10°C evap.  
All mobile applications for portable boxes, boats, trucks etc., 5-140/20-180/35-220 W cooling capacity.

## Second to none

Danfoss BD compressors mean: extraordinary performance at minimum power consumption, superbly silent running, reliable operation even when tilted up to 30 degrees, problem-free operation at 12/24 volts and more than 25 years' of experience in mobile refrigeration. Transport-stable, speed/capacity stable, multifunctional electronic, silent, high COP and compact design.

