

Inverter for BD150F Compressors 12/24V DC, 230V AC

Data Sheet (Replaces CH.49.A1.02)

Ordering

Inverter	BD150 Types
Code number: 12 - BD 150 (12V DC)	105N0912
Code number: 24 - BD 150 (24V DC)	105N0924

Electrical Specifications

Input voltage 12V DC version	12V DC nominal range 10-15V DC
Input voltage 24V DC version	24V DC nominal range 20-30V DC
Output Voltage	230V AC +/- 3%
Frequency	50Hz
Output wave form	pure sine-wave
Continuous output power	300 W
Standby consumption	5 mW
No load power consumption 12V DC version	8.5 W
No load power consumption 24V DC version	12 W
Efficiency at full load	> 90 %

Environmental Specifications

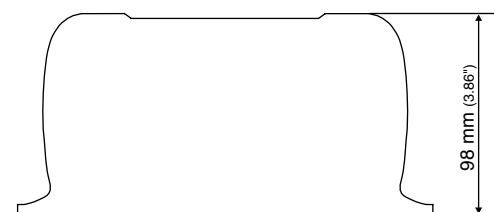
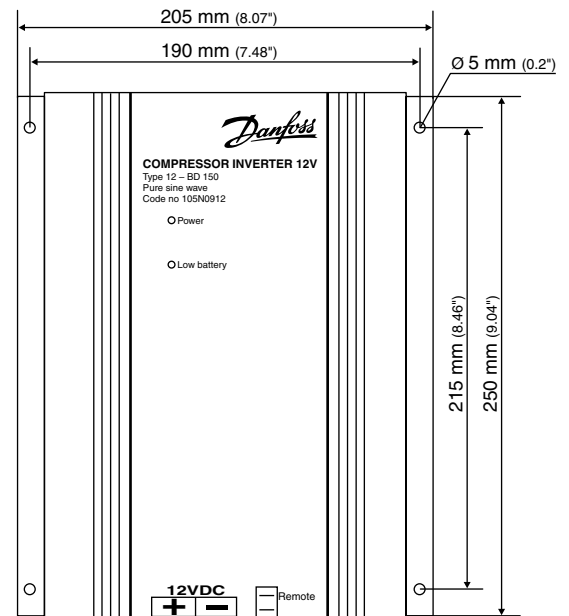
Ambient temperature during operation	-20°C to +55°C
Cooling	static air cooling

Mechanical Specifications

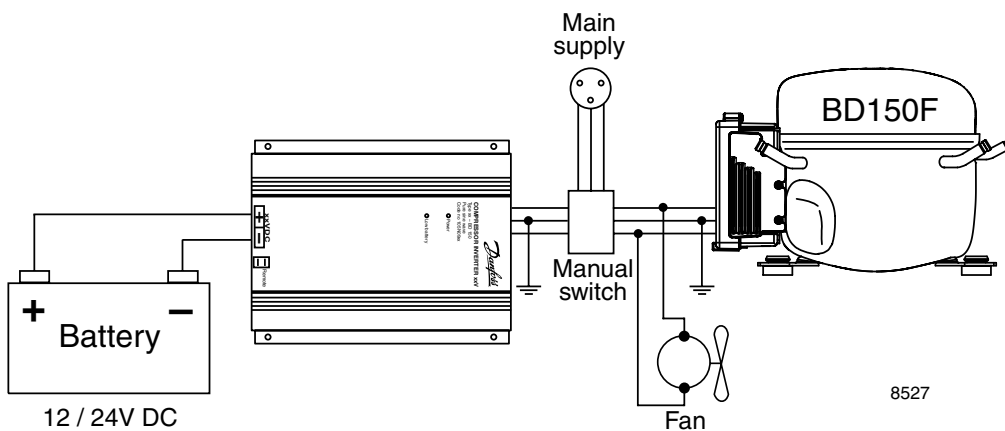
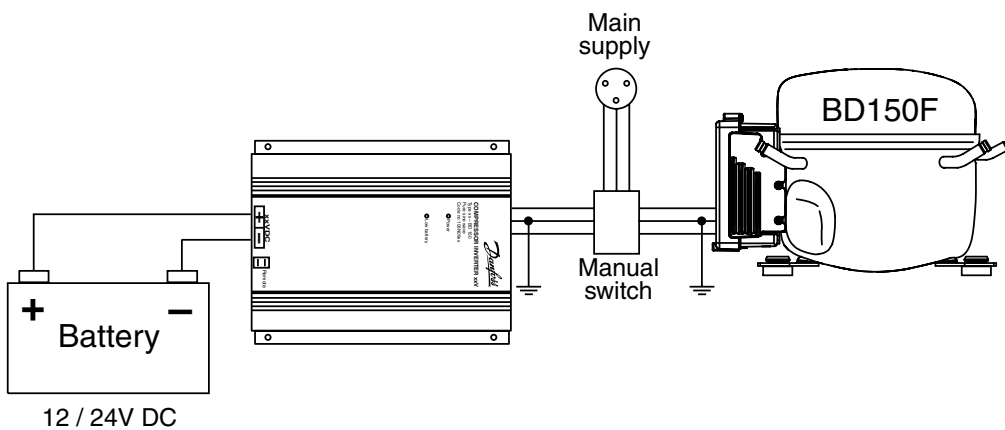
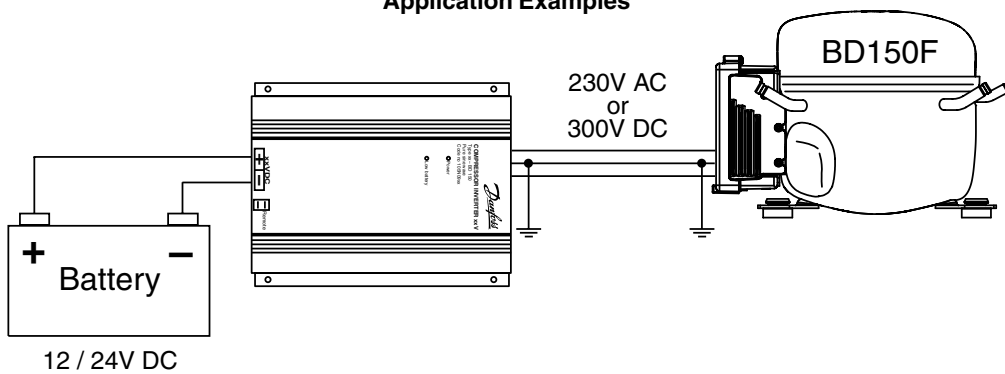
Housing	anodized extruded aluminum
Weight	4.5 kg ~ 10 lbs
AC outlet	3-pole female IEC socket
Housing dimensions in mm (L x W X H) mm	250 x 205 x 98
Mounting	Horizontal or Vertical
Alarm indication	overload, high temperature, short circuit, low battery
Enclosure	IP 21

Standards

CE marking	EMC Directive 89/336/EEC
Automotive directive	95/54/EC
Emission	EN 61000-6-3
Immunity	EN 61000-6-1
Safety	IEC 950



Application Examples



8527

Wire dimensions

Size AWG Gauge	Cross section mm ²	Max length*		Max length*	
		12V operation		24V operation	
		ft.	m	ft.	m
6	16	8	2.5	16	5
4	25	13	4	26	8

*Length between battery and electronic unit