

BD35F-HD.2 Heavy Duty Direct Current Compressor R134a, 12/24V DC



General

Code number (without electronic units)	101Z0216
Electronic unit 12/24V DC - Standard	101N0212, 30 pcs: 101N0213
Electronic unit 12/24V DC - Automotive	101N0650, 30 pcs: 101N0651
Compressors on pallet	150

Approvals

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UL / VDE / CB



Application

Application	LBP/MBP/HBP
Evaporating temperature °C	-30 to 0 (10)
Voltage range VDC	9.6 - 17 / 21.3 - 31.5
Max. condensing temperature continuous (short) °C	60 (70)
Max. winding temperature continuous (short) °C	125 (135)

Cooling requirements

Application	LBP	MBP	HBP
32°C	S	S	S
38°C	S	S	S
43°C	S	S	S

Remarks on application: Fan cooling F₁ depending on application and speed.

HD (Heavy Duty) version of the BD35F which can handle extreme vibrations.

New generation with optimized noise level during rough vehicle motions.

Motor

Motor type	variable speed
Resistance, all 3 windings (25°C) Ω	2.2

Design

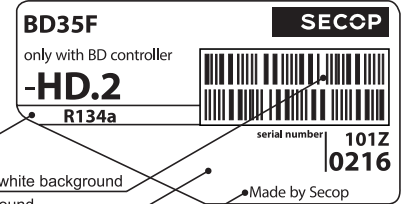
Displacement cm ³	2.00
Oil quantity (type) cm ³	150 (polyolester)
Maximum refrigerant charge g	300
Free gas volume in compressor cm ³	870
Weight - Compressor/Electronic unit kg	4.3/0.19

Standard battery protection settings (refer to electronic unit Instructions for optional settings)

Voltage	12V	24V
Cut out VDC	10.4	22.8
Cut in VDC	11.7	24.2

Dimensions

Height mm	A	137
	B	135
	B1	128
	B2	73
Suction connector location/I.D. mm angle	C	6.2 40°
	material comment	Cu-plated steel Al cap
Process connector location/I.D. mm angle	D	6.2 45°
	material comment	Cu-plated steel Al cap
Discharge connector location/I.D. mm angle	E	5.0 21°
	material comment	Cu-plated steel Al cap
Connector tolerance I.D. mm		±0.09, on 5.0 +0.12/+0.20
Remarks:		



Blue stripe

Barcode on white background

Grey background

Country of origin or manufacturer

serial number
101Z0216

Made by Secop

- S = Static cooling normally sufficient
- O = Oil cooling
- F₁ = Fan cooling 1.5 m/s
(compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficient
- = not applicable in this area

