### BD350/350GH
Direct Current Twin Compressor 
**R134a**
12V - with 101N08xx Series Controllers

#### General
- **Code number (without electronic units):** 102Z3018
- **Compressor module:** 101N0800, 30 pcs: 101N0801
- **Application module:** 101N0820, 24 pcs: 101N0821
- **Approvals:** –
- **Compressors on pallet:** 50

#### Application
- **Application:** LBP/MBP/HBP
- **Evaporating temperature:** °C -25 to 15
- **Voltage range:** VDC 9.6 - 17
- **Max. condensing temperature continuous (short):** °C 60 (70)
- **Max. winding temperature continuous (short):** °C 125 (135)

#### Cooling requirements
- **Application:** LBP MBP HBP
- **32°C:** F1 F1 F1
- **38°C:** F1 F1 F1
- **43°C:** F1 F1 F1

Remarks on application:
- evaporator fan max. 200W
- condenser fan max. 100W
- starting ability: LST (low starting torque) only

#### Motor
- **Motor type:** variable speed
- **Resistance, all 3 windings (25°C):** Ω 0.1

#### Design
- **Displacement:** cm³ 2 x 5.08
- **Oil quantity (type):** cm³ 560 (polyolester)
- **Maximum refrigerant charge:** g 800
- **Free gas volume in compressor:** cm³ 2 x 1690
- **Weight - Compressor/Electronic unit:** kg 15.8/2 x 0.33, 1 x 0.28

#### Battery protection settings
- **Voltage Min. value Default Max. value**
- **Cut out (0.1 steps):** VDC 9.6 10.4 17
- **Cut in diff. (0.1 steps):** VDC 0.5 1.3 10

#### Dimensions
- **Height:** mm A 173
- **Suction connector location/I.D. mm | angle:** C 6.2 | 90°
- **Process connector location/I.D. mm | angle:** D 6.2 | 31.5°
- **Discharge connector location/I.D. mm | angle:** E 5.0 | 28°
- **Connector tolerance I.D. mm:** ±0.09, on 5.0 +0.12/+0.20

Remarks
- 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
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