

DLV4.0CN

Variable Speed Drive Compressor

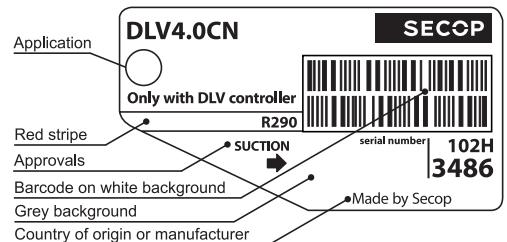
R290, 100-127V 50/60Hz

- with 105N4460 Controller



General

Code number (without electronic unit)	102H3486	
Electronic unit	105N4460	
Approvals: UL 60335-2-34 with Annex AA, CCC		
Compressors on pallet	100	



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
 - = not applicable in this area

Application

Application	LBP/MBP		
Frequency	Hz	50	60
Evaporating temperature	°F	-31 to 45	-31 to 45
Voltage range	V	90 - 140	90 - 140
Max. condensing temperature continuous (short)	°F	140 (149)	140 (149)
Max. winding temperature continuous (short)	°F	257 (275)	257 (275)

Cooling requirements

Frequency	Hz	50	60
Application		LBP MBP HBP	LBP MBP HBP
32°C		F ₂ F ₂ -	F ₂ F ₂ -
38°C		F ₂ F ₂ -	F ₂ F ₂ -
43°C		F ₂ F ₂ -	F ₂ F ₂ -
Remarks on application:			

Features

Speed range	rpm	2000 - 4500
Speed control		AEO, frequency, serial com.
Thermostat		integrated, electronic
Protections		current, speed, temperature
Protection class (electronic unit)		IP54

Motor

Motor type		permanent magnet
LRA (rated after 4 sec. UL984)	A	electronic cut off
Maximum current	A	6.5
Resistance, all 3 windings (25°C)	Ω	1.2

Design

Displacement	cu.in	0.24
Oil quantity (type)	fl.oz.	7.8 (polyolester)
Maximum refrigerant charge	oz.	5.3
Free gas volume in compressor	fl.oz.	49.5
Weight - Compressor/Electronic unit	lbs.	17.2 / 1.15

Dimensions

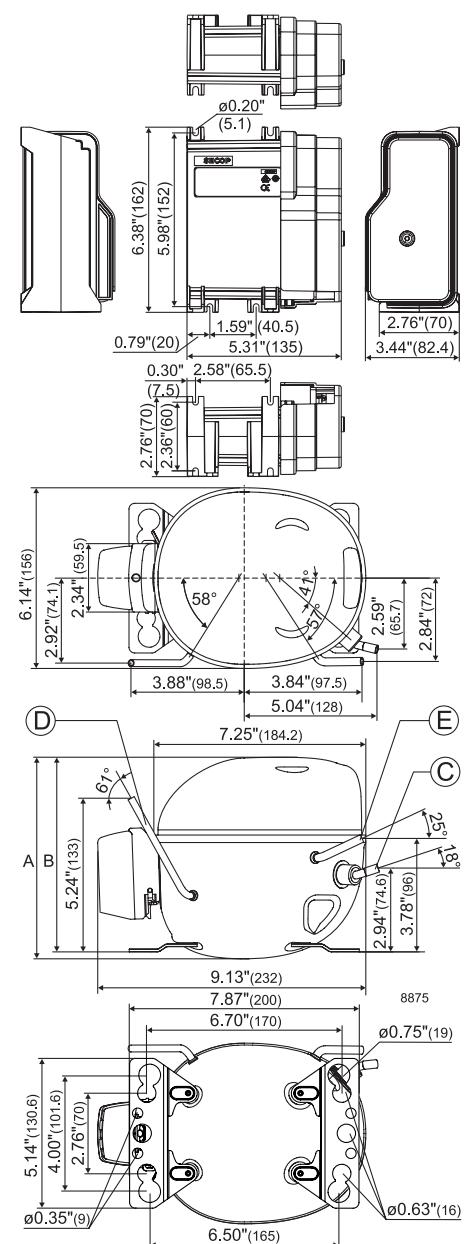
Height	inch	A 6.89
		B 6.65
Suction connector	location/I.D. mm angle	C 0.320-0.327 18°
	material comment	Copper Rubber plug
Process connector	location/O.D. mm angle	D 0.252-0.259 61°
	material comment	Copper Rubber plug
Discharge connector	location/O.D. mm angle	E 0.252-0.259 25°
	material comment	Copper Rubber plug

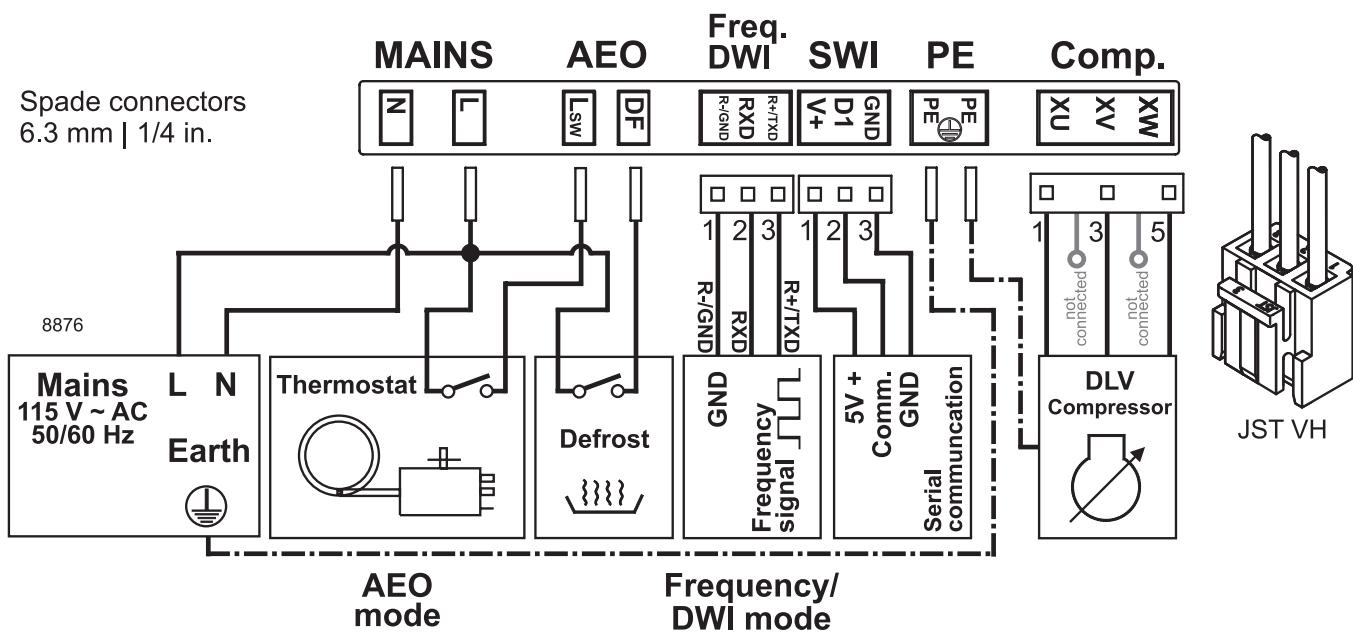
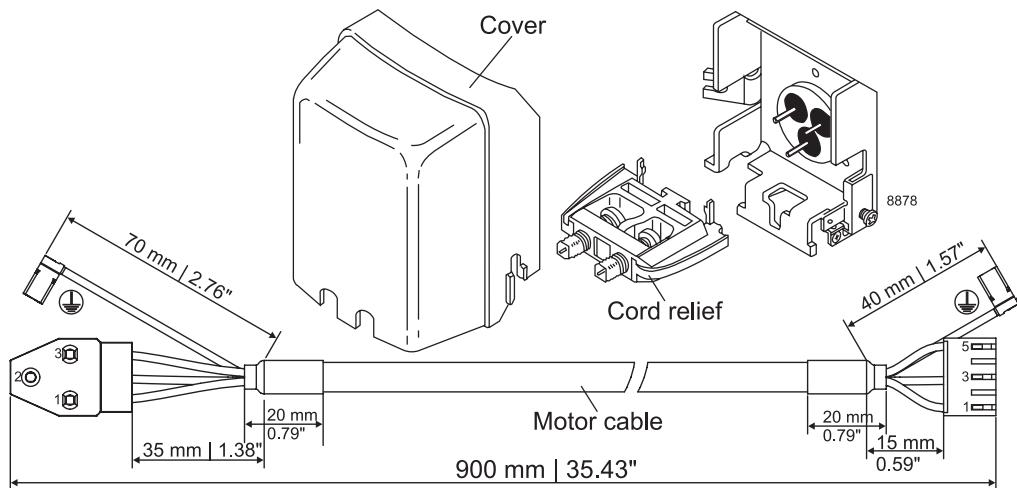
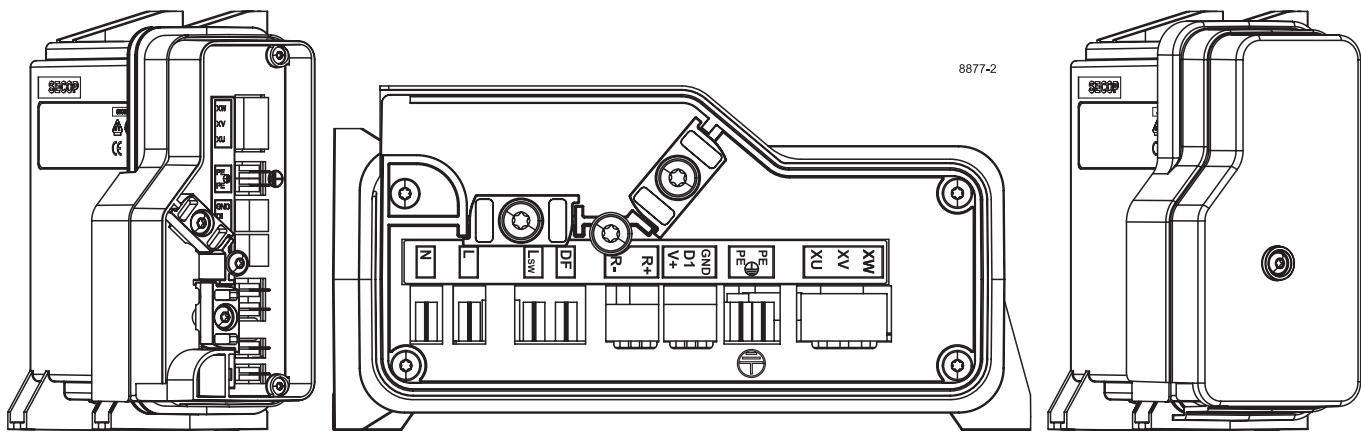
Accessories

Cover		103N0492
Cord relief		103N1010
Motor cable	35.4 in. cable length	105B4477

Mounting accessories

Bolt joint for one compressor	Ø: 3/4 in.	118-1949
Bolt joint in quantities	Ø: 5/8 in.	118-1946
Snap-on in quantities	Ø: 5/8 in.	118-1947





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