

BD MICRO
BD1.4F-VSD.2/.3
BD1.4F-VSD-HD



Compressors	Code number	Description
BD1.4F-VSD.3	109Z0209	variable speed drive compressor, mm tube connectors
BD1.4F-VSD.2 inch	109Z0206	similar as 109Z0209, inch tube connectors
BD1.4F-VSD-HD	109Z0250	variable speed drive compressor (heavy duty), mm tube connectors, for trucks and buses
BD1.4F-VSD-HD inch	109Z0251	same as 109Z0250, inch tube connectors, for trucks and buses

Electronic Single Pack	Code number	Description
Variable Speed [VSD]	101N2130	for BD1.4F-VSD.2/.3, BD1.4F-VSD-HD, speed setting, battery protection, 12/24 V, ECO function

Electronic I – Pack	Code number	Description
Variable Speed [VSD]	101N2131	for BD1.4F-VSD.2/.3, BD1.4F-VSD-HD, speed setting, battery protection, 12/24 V, ECO function, 30 pcs.

Accessories	Item	Code number	Description
	Temperature sensor, 470 mm, spade connectors	105N9612	accessories
	Temperature sensor, 1000 mm, spade connectors	105N9614	accessories
	Temperature sensor, 1500 mm, spade connectors	105N9616	accessories
	Secop One Wire/LIN gateway with cables	105N9518	accessories

Accessories	Temperature sensor, 470 mm, spade connectors	105N9613	accessories, 200 pcs.
	Temperature sensor, 1000 mm, spade connectors	105N9615	accessories, 100 pcs.
	Temperature sensor, 1500 mm, spade connectors	105N9617	accessories, 100 pcs.

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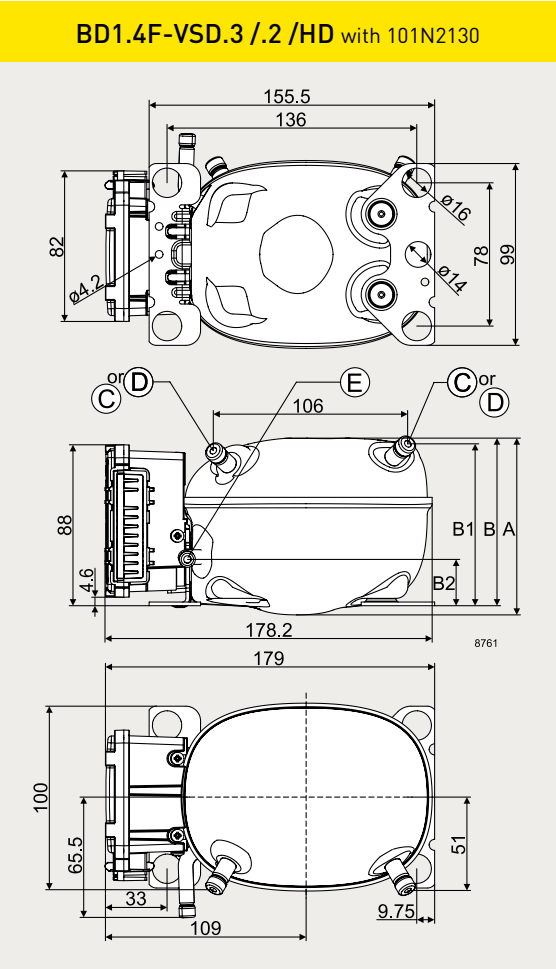
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Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Compressor Cooling (refer to data sheet)
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C			
			-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP		
									[W]	[W/W]	[W]	[W/W]	[W]	[W/W]		
BD1.4F-VSD.3 2000 rpm	109Z0209	L/M/HBP	–	28	52	68	105	126	14	0.83	43	1.53	83	2.05	1.41	S
BD1.4F-VSD.3 4000 rpm	109Z0209	L/M/HBP	–	65	114	144	214	254	34	0.94	94	1.59	172	2.23	1.41	S
BD1.4F-VSD.2 2000 rpm	109Z0206	L/M/HBP	–	28	52	68	105	126	14	0.83	43	1.53	83	2.05	1.41	S
BD1.4F-VSD.2 4000 rpm	109Z0206	L/M/HBP	–	65	114	144	214	254	34	0.94	94	1.59	172	2.23	1.41	S
BD1.4F-VSD-HD 2000 rpm	109Z0250	L/M/HBP	–	28	52	68	105	126	14	0.83	43	1.53	83	2.05	1.41	S
BD1.4F-VSD-HD 4000 rpm	109Z0250	L/M/HBP	–	65	114	144	214	254	34	0.94	94	1.59	172	2.23	1.41	S
BD1.4F-VSD-HD 2000 rpm	109Z0251	L/M/HBP	–	28	52	68	105	126	14	0.83	43	1.53	83	2.05	1.41	S
BD1.4F-VSD-HD 4000 rpm	109Z0251	L/M/HBP	–	65	114	144	214	254	34	0.94	94	1.59	172	2.23	1.41	S

Please refer to the individual compressor data sheets for the complete application range.

CECOMAF Capacity [W] Tc=55°C, Tliq=55°C, Tsuc=32°C Evaporating temperature [°C]						CECOMAF						Dimensions					Voltage range (refer to data sheet)
						LBP rating point -25°C / 55°C		MBP rating point -10°C / 55°C		HBP rating point 5°C / 55°C		Height [mm]		Connectors location/I.D. [mm]			
-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP	A	B	Suction	Process	Discharge	
						[W]	[W/W]	[W]	[W/W]	[W]	[W/W]			C [I.D.]	D [I.D.]	E [I.D.]	
-	22	42	54	84	101	9	0.59	31	1.24	68	1.76	96.0	91.0	6.20	6.20	5.00	9.6-17, 19-34 V DC
-	52	92	116	172	203	23	0.68	71	1.30	142	1.91	96.0	91.0	6.20	6.20	5.00	
-	22	42	54	84	101	9	0.59	31	1.24	68	1.76	96.0	91.0	6.50	6.50	5.00	9.6-17, 19-34 V DC
-	52	92	116	172	203	23	0.68	71	1.30	142	1.91	96.0	91.0	6.50	6.50	5.00	
-	22	42	54	84	101	9	0.59	31	1.24	68	1.76	96.0	91.0	6.20	6.20	5.00	9.6-17, 19-34 V DC
-	52	92	116	172	203	23	0.68	71	1.30	142	1.91	96.0	91.0	6.20	6.20	5.00	
-	22	42	54	84	101	9	0.59	31	1.24	68	1.76	96.0	91.0	6.50	6.50	5.00	9.6-17, 19-34 V DC
-	52	92	116	172	203	23	0.68	71	1.30	142	1.91	96.0	91.0	6.50	6.50	5.00	

Compressor	Code number	Electronic unit
		Variable Speed (VSD) 12-24 V DC 101N2130
BD1.4F-VSD.3	109Z0209	✓
BD1.4F-VSD-HD	109Z0250	✓
BD1.4F-VSD.2 (inch connectors)	109Z0206	✓
BD1.4F-VSD-HD (inch connectors)	109Z0251	✓



BD MICRO R1234yf



Low GWP
Refrigerant

R1234yf

Compressor	Code number	Application	ASHRAE Capacity [W] Tc=54.4°C, Tliq=32.2°C, Tsuc=32.2°C Evaporating temperature [°C]						ASHRAE						Displacement	Compressor Cooling (refer to data sheet)
									LBP rating point -23.3°C / 54.4°C		MBP rating point -6.7°C / 54.4°C		HBP rating point 7.2°C / 54.4°C			
									Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP		
			-35	-15	-5	0	10	15	[W]	[W/W]	[W]	[W/W]	[W]	[W/W]		
BD1.4F-VSD.3 2000 rpm	109Z0209	L/M/HBP	–	30	55	69	102	120	15	0.85	44	1.52	81	2.04	1.41	S
BD1.4F-VSD.3 4000 rpm	109Z0209	L/M/HBP	–	70	118	145	206	239	38	0.95	96	1.57	165	2.18	1.41	S

Please refer to the individual compressor data sheets for the complete application range.

CECOMAF Capacity [W] Tc=55°C, Tliq=55°C, Tsuc=32°C Evaporating temperature [°C]						CECOMAF						Dimensions					Voltage range (refer to data sheet)
						LBP rating point -25°C / 55°C		MBP rating point -10°C / 55°C		HBP rating point 5°C / 55°C		Height [mm]		Connectors location/I.D. [mm]			
-35	-15	-5	0	10	15	Cooling capacity	COP	Cooling capacity	COP	Cooling capacity	COP	A	B	Suction	Process	Discharge	
						[W]	[W/W]	[W]	[W/W]	[W]	[W/W]			C [I.D.]	D [I.D.]	E [I.D.]	
-	23	42	53	78	91	10	0.58	32	1.20	65	1.70	96.0	91.0	6.20	6.20	5.00	9.6-17, 19-34 V DC
-	54	91	111	158	182	24	0.66	71	1.25	134	1.82	96.0	91.0	6.20	6.20	5.00	

Compressor	Code number	Electronic unit
		Variable Speed (VSD) 12-24 V DC 101N2130
BD1.4F-VSD.3	109Z0209	✓

