

Introduction and Overview

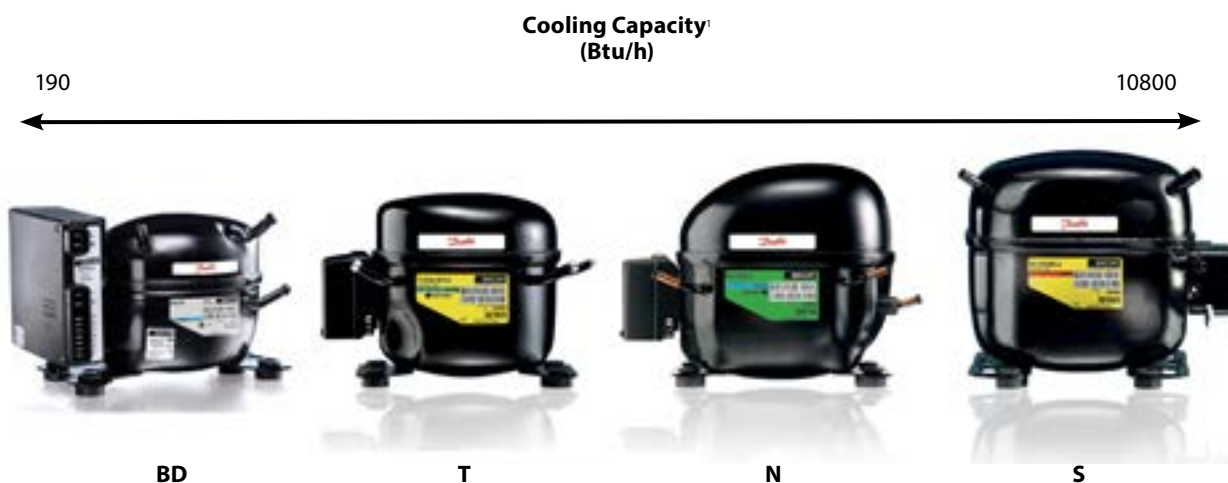
Specially optimized for use in mobile, household and light commercial applications, these hermetic reciprocating compressors provide high cooling capacity in an energy saving design. The compressor series can be used with multiple refrigerants including R-134a and R-404A (refrigerant dependent on model) that are perfect for cooling needs from 190 to 10800 Btu/h based on ASHRAE conditions.

Product features and options include:

- Compact construction
- Durable housing
- Optimized motor technology
- Wide voltage range
- Easy installation at lower cost
- Low noise and high energy efficiency
- Robust in tough operating conditions



Product Range



¹ Capacity range based on product range represented on following page. For complete range of models (refrigerant, capacity and voltage codes) available, check Coolselector or contact Danfoss.

Quick Select Guide
Light Commercial Compressors, Types BD/T/N/S
Product Selection

Refrigerant	Voltage/ Phase/ Frequency	Horse Power Rating (hp)	HS/ LS	Competitor Model Nos.	Danfoss Model No.	Danfoss Standard Compressor Code No.	Cooling Capacity ¹ (Btu/h)									Weight (lbs.) ²	Danfoss Single Packed Code No. ³		
							LBP Evaporator temperature (°F)			MBP Evaporator temperature (°F)			HBP Evaporator temperature (°F)						
							-30	-13	0	0	+20	+40	+25	+45	+50				
R-134a	12-24 DC, 100-240/1/ 50/60	multi- speed			BD35F	101Z0204		194	299	221	421						9.5	195B0679	
R-134a	12-24 DC, 100-240/1/ 50/60	multi- speed			BD50F	101Z0203		242	370	305	545						9.5	195B0678	
R-134a	115/1/60	1/10	LS		TL2.5G	102G3257		226	340	249	495	860	575	970	1087		14.7	195B0592	
R-134a	115/1/60	1/10+	HS	AZA0370YXA AEA3414YXA	EMIS30HHR EM30HHR	TL4G	102G3460		320	516	393	732	1225	840	1375	1530		16.7	195B0003
R-134a	115/1/60	1/4	HS	AEA1360YXA AEA3425YXA	NEK6160Z	NF5.5FX	105G5623	374	701	1035	845	1442	2293	1633	2562			22.0	195B0259
R-134a	115/1/60	1/4	HS	AEA3430YXA AEA4430YXA	FF7.5HBK FF8.5BK (R-12) FF8.5HBK	NF7FX	105G5723	465	830	1206	1022	1708	2700	1925	3006			22.0	195B0467
R-134a	115/1/60	1/3	HS	AEA3440YXA AEA4440YXA	FF110HBX FF11.5BK (R-12) NEK6178K	NF11FX	105G5945	553	1046	1568	1333	2279	3638	2575	4056			22.0	195B0388
R-134a	115/1/60	1/3+	HS	AEA2410YXA AEA4448YXA	FF112HBX FF112BX (R-12)	SC12G	104G7250	499	1126	1769	1344	2536	4242	2908	4765	5333		27.7	195B0042
R-134a	115/1/60	1/2+	HS		T6213Z	SC15G	104G7550		1266	2059	1556	3040	4969	3473	5544	6162		27.7	195B0099
R-134a	115/1/60	1/2+	HS	AEA2413YXA AKA4460YXA	NT6215Z NEK6214Z	SC18G	104G7800		1582	2462	1882	3479	5586	3950	6217	6896		30.2	195B0694
R-404A	115/1/60	1/5	HS			TF4CLX	102U2114	421	714	1008	791	1285	1953					17.9	195B0666
R-404A	115/1/60	1/4	HS	AEA2380ZXA		TFS4.5CLX	102U2115	569	933	1297								17.9	195B0667
R-404A	115/1/60	1/3	HS	AEA9415ZXA AEA9422ZXA	NEK2121GK NEK6181GK	NF5.5CLX	105F1621	789	1276	1759	1384	2209	3334					22.2	195B0348
R-404A	115/1/60	1/3+	HS	AEA2411ZXA AKA9427ZXA	NEK2125GK	NF7CLX	105F1721	960	1587	2209	1727	2789	4237					22.2	195B0304
R-404A	115/1/60	1/2	HS	AJA2419ZXA	NEK2134GK	SC10CL	104L1503	776	1683	2562	1742	3111	5012	3532	5585			27.7	195B0147
R-404A	115/1/60	1/2+	HS	AKA9438ZXA	NEK6213GK NT6217GKV	SC12CLX.2	104L1696	1419	2496	3525								27.7	195B0491
R-404A	115/1/60	3/4	HS	AJA2425ZXA	NEK2150GK	SC12MLX	104L1606				2640	4391	6865	4962	7654			30.2	195B0510
R-404A	115/1/60	3/4	HS	AJA2431ZXA	NEK2150GK NT2168GKV	SC15CLX.2	104L1853	1834	3118	4391								30.9	195B0701
R-404A	115/1/60	3/4	HS	AKA9455ZXA		SC18MLX	104L2105			5025	3894	6296	9691	7082	10776			30.9	195B0702
R-404A	115/1/60	3/4	HS	AJA2431ZXD	NT2168GKV	SC18CLX.2	104L2198	2198	3611	4873	3942	5929						30.9	195B0464

¹ Capacity at ASHRAE conditions below. For other conditions and/or speeds, check Coolselector or contact Danfoss.

² Weight without electrical and non-electrical equipment

³ Code No. shipped with compressor and required electrical and non-electrical accessories

Full range of models (refrigerant, capacity and voltage codes) available. Check Coolselector or contact Danfoss.

Test conditions

	ASHRAE (LBP)	ASHRAE (MBP)	ASHRAE (HBP)
Condensing temperature	110°F	130°F	130°F
Ambient and suction gas temperature	90°F	95°F	95°F
Liquid temperature	90°F	115°F	115°F
Speed	3500	3500	