





Applications

- Beer dispensers
- Bottle coolers
- Ice cream machines
- · Drinking water fountains
- Vending machines (softdrinks and snacks)
- Display cabinets (SCU)
- Refrigerated cabinets (reach-in)
- Commercial freezers and refrigerators
- Ice cube machines
- Dehumidifiers

Danfoss Compressors GmbH

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220-240V-60Hz

MBP HST R134a
SUCTION
CONNECTOR
220-240V-50Hz
MBP LST/HST

C68
DANFOSS COM

The new energy-optimized NL-MF Compressors

REFRIGERATION AND

AIR CONDITIONING

Tailored for soft drink coolers and small commercial refrigeration systems

A capacity adapted to the predominant applications in the market enables considerable energy savings with small compressor dimensions and displacement respectively.

The new compressors are available as all-purpose compressors NL-MF (187-254 V, 50 Hz/198-254 V, 60 Hz).

DEHC.PB.400.A1.02/**520N0020**

Customer benefits NL-MF compressors

Customer benefits Product Advantages Based on competitive advantages 50/60 Hz operation Reduction of warehouse costs Reduction of types Bi-frequency versatile motor Reduction of logistic costs Low energy consumption Capacity adapted to soft drink coolers and small commercial refrigeration Low running costs systems High thermal working limits Application with high ambient Oil and surface cooling temperature *Integrated winding protector* High product quality Advanced technology and Reliability High lifetime quality tested compressor Proven cabinet tests Smaller compressor dimensions Low running costs or smaller displacement possible Capacity adapted to the predominant Compact cabinet Reduction of types applications in the market Reduction of stock costs Higher cooling capacity Low noise level Low sound emission Innovative compressor technology

Rated capacities and consumptions according to EN 12900

Compres- sor	Code number	Voltage and frequencies	Cooling capacity [W]		Power capacity [W]			Current consump- tion [A]				COP [W/W]						
				E	vapo	rating	temp	perati	ure [°(C]								
			-10	0	7.2	10	-10	0	7.2	10	-10	0	7,2	10	-10	0	7.2	10
	105G6660	187-254 V/50 Hz	246	416	552	611	183	224	254	265	1.36	1.50	1.62	1.66	1.34	1.86	2.17	2.31
	105G6662*	198-254 V/60 Hz	302	491	645	-	220	281	331	-	1.35	1.63	1.87	-	1.37	1.75	1.95	-
NL7.3MF 105G6772 105G6774*	105G6772	187-254 V/50 Hz	304	494	650	717	226	277	314	329	1.60	1.80	1.92	1.99	1.35	1.78	2.07	2.18
	105G6774*	198-254 V/60 Hz	370	585	769	-	277	356	420	-	1.60	1.95	2.22	-	1.34	1.64	1.83	-
NL8.4MF	105G6879	187-254 V/50 Hz	353	570	735	813	257	322	367	383	1.83	2.08	2.26	2.29	1.37	1.77	2.00	2.12
10	105G6877*	198-254 V/60 Hz	433	672	883	-	315	410	484	-	1.82	2.23	2.55	-	1.37	1.64	1.82	-
NL10MF	105G6885 105G6870*	187-254 V/50 Hz	439	692	926	1028	323	396	452	475	2.21	2.45	2.66	2.75	1.36	1.75	2.05	2.16
		198-254 V/60 Hz	523	813	1068	-	377	490	581	-	2.17	2.65	3.07	-	1.39	1.66	1.84	-

^{* 90°} connector

Test conditions

Refrigerant R134a
Condensing temperature 55°C
Ambient and suction gas temperature 32°C
Liquid temperature 55°C
220 V 50 Hz resp. 60 Hz, fan cooling 1.5 m/s
(compressor compartment temperature equal to ambient temperature)

Application range $-20^{\circ}\text{C to } +7.2^{\circ}\text{C for } 50 \text{ Hz} \\ -25^{\circ}\text{C to } +7.2^{\circ}\text{C for } 60 \text{ Hz}$

Exception NL10MF -35°C to +7.2 C for 60 Hz

Approvals according to

EN 60335-2-34, UL 984, CSA-C22, CCC (on inquiry)

Compressor		Electrical Equipment											
	LST (LST/HST											
	PTC Starting device Starting relay Starting capacito					Cover							
	Spa	des	Spa	ades									
	6.3 mm	4.8 mm	6.3 mm	6.3 mm									
NL6.1MF	103N0011	103N0018	117U6015	117U5015	103N1010	103N2011							
NL7.3MF	103N0011	103N0018	117U6016	117U5015	103N1010	103N2011							
NL8.4MF	103N0011	103N0018	117U6016	117U5018	103N1010	103N2011							
NL10MF	103N0011	103N0018	117U6022	117U5018	103N1010	103N2011							

Mounting accessories

Bolt joint 118-1917 single compressor 118-1918 in quantities Snap on 118-1919 in quantities



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