

NTZ series

Low temperature compressors



Seven new hermetic compressors engineered to be :

- The best in efficiency
- The most versatile in application
- Rugged & simple to use



New high efficiency low temperature compressor range NTZ

High COP

R 404A
R 507A

**Extended
evaporating
temperature range
-10 to -45 °C**

NTZ has been engineered and optimised at -35 °C, ensuring the best performance and high energy efficiency where you need it most at low evaporating temperatures.

Other hermetics won't match NTZ COP level. Just compare.

The new NTZ series reciprocating compressors has an extended evaporating temperature range from -10 °C down to -45 °C opening a very wide domain of low temperature applications. Its high evaporating temperature limit enhances and simplifies utilisation while improving system temperature pull-down capabilities.



High COP

Versatile
multi applications

-10 / -45 °C
evap. range

Simple,
no injection cooling
required

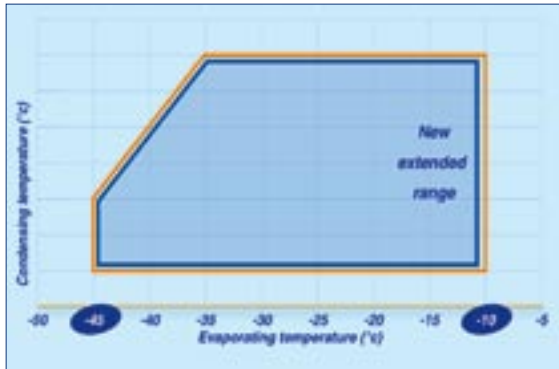
Approvals:
UL, CE (PED)

Temperature reciprocating

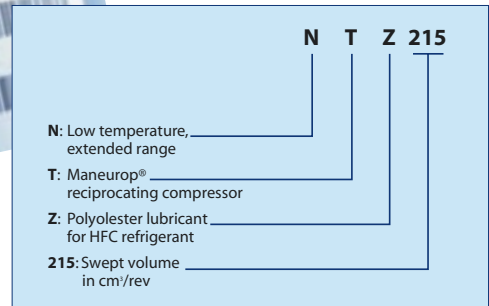
Simple, reliable & straightforward compact product

The compact NTZ compressors can be integrated easily into many systems where alternatives won't fit. It accepts a return gas temperature at up to 20 °C without special adaptation.

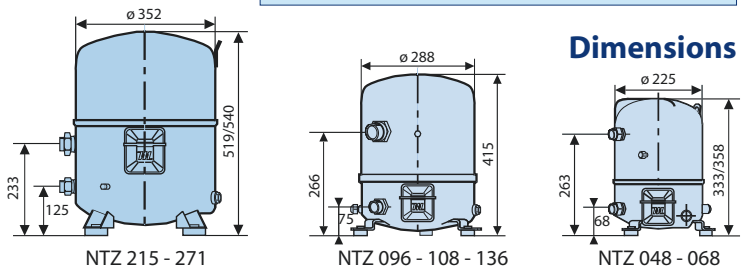
The suction gas cooled motor in combination with the integrated motor protection allows for many years of reliable operation.



Designation



Dimensions



Performance table

Model	To	-45		-40		-35		-30		-25		-20		-15		-10	
		Tc	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo	Pe	Qo
NTZ048	30	470	0.50	870	0.70	1290	0.90	1790	1.09	2390	1.27	3080	1.42	3890	1.54	4820	1.62
	40	280	0.41	540	0.64	1000	0.87	1420	1.10	1930	1.33	2520	1.54	3200	1.73	3990	1.88
	50			310	0.53	570	0.79	880	1.06	1470	1.33	1950	1.59	2510	1.84	3150	2.07
NTZ068	30	780	0.84	1360	1.12	1960	1.40	2700	1.66	3600	1.91	4670	2.13	5930	2.32	7390	2.48
	40	480	0.71	850	1.03	1520	1.35	2150	1.68	2920	2.01	3840	2.33	4930	2.63	6190	2.92
	50			490	0.88	850	1.24	1310	1.61	2210	2.01	2970	2.40	3870	2.81	4930	3.20
NTZ096	30	1120	1.17	1850	1.48	2600	1.79	3540	2.09	4710	2.38	6120	2.66	7810	2.92	9810	3.15
	40			1150	1.37	2310	1.73	2820	2.12	3840	2.52	5080	2.93	6570	3.34	8350	3.75
	50					1110	1.59	1700	2.03	2880	2.51	3920	3.02	5200	3.57	6720	4.13
NTZ108	30	1070	1.44	1990	1.76	2960	2.11	4150	2.47	5580	2.83	7260	3.17	9220	3.48	11470	3.74
	40			1290	1.75	2370	2.14	3390	2.57	4610	3.02	6040	3.48	7700	3.93	9620	4.36
	50					1390	2.08	2130	2.55	3540	3.07	4710	3.62	6060	4.18	7630	4.74
NTZ136	30	1800	1.89	2940	2.40	4060	2.89	5430	3.36	7070	3.79	9020	4.17	11300	4.51	13950	4.79
	40			1910	2.33	3230	2.90	4410	3.46	5830	4.02	7510	4.56	9500	5.07	11800	5.56
	50					1940	2.83	2820	3.47	4560	4.13	5980	4.80	7650	5.47	9600	6.14
NTZ215	30	2710	2.74	4520	3.43	6250	4.10	8340	4.73	10800	5.31	13680	5.80	17000	6.19	20820	6.45
	40	1700	2.51	2850	3.31	4950	4.17	6830	4.99	9040	5.81	11620	6.59	14600	7.30	18010	7.93
	50			1630	2.95	2790	3.93	4210	4.95	6960	5.99	9180	7.03	11760	8.04	14720	9.01
NTZ271	30	3790	3.77	6190	4.59	8500	5.42	11290	6.25	14620	7.07	18530	7.89	23070	8.70	28300	9.49
	40	2680	3.69	4160	4.65	6960	5.62	9410	6.61	12310	7.60	15720	8.59	19670	9.59	24230	10.59
	50			2780	4.51	4260	5.65	6100	6.80	9740	7.98	12600	9.16	15920	10.37	19760	11.58

SH10 K
RGT 20 °C

Subcooling SC 0 K
t_o Evaporating temperature in °C
t_c Condensing temperature in °C

R404A /R507A Voltage 400 V - 3 - 50 Hz
Q_o Cooling capacity in W
P_e Power input in kW

Quick pull down capabilities



NTZ, the widest hermetic low temperature range is tailored for:

- Walk-in freezers & cold rooms
- Frozen food processing and storage
- Blast freezers
- Low temperature racks
- Ice flakes machines
- Ice cream machines
- Display cabinets, etc....



For further technical data details contact your local Danfoss organisation

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