

Variable Capacity solutions



VTZ maneurop compressors & AKD frequency converters

- Unrivalled system efficiency
- 1 to 3 cooling capacity ratio (30 to 90 Hz)
- Unmatched process control accuracy
- Soft inrush starting current
- Reduced on-off cycling
- Integrated safeties

Variable Capacity

Quick selection guide R 404A / R 507A



1 cylinder range

VTZ 038 & AKD CompressorDrive - 4

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	3090	4850	6480	7780
-10	1820	2860	3750	4490
-20	960	1510	2020	2420
-25	660	1030	1400	1680
Cooling capacity (Watt)				

VTZ 054 & AKD CompressorDrive - 5.5

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	4510	7090	9470	11360
-10	2760	4340	5680	6820
-20	1520	2390	3190	3830
-25	1060	1660	2260	2710
Cooling capacity (Watt)				



2 cylinder range

VTZ 086 & AKD CompressorDrive - 7.5

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	7160	11240	15330	18400
-10	4340	6820	9300	11150
-20	2390	3750	5110	6130
-25	1670	2620	3570	4290
Cooling capacity (Watt)				

VTZ 121 & AKD 5016 - Flux

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	10120	15900	21680	26010
-10	6190	9720	13250	15900
-20	3450	5420	7390	8870
-25	2450	3840	5240	6290
Cooling capacity (Watt)				



4 cylinder range

VTZ 171 & AKD 5022

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	13230	21650	29550	35130
-10	8080	13360	18520	22310
-20	4530	7570	10390	12350
-25	3220	5410	7240	8400
Cooling capacity (Watt)				

VTZ 215 & AKD 5027

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	17470	27770	38410	46640
-10	10650	17030	23750	29020
-20	5910	9610	13410	16330
-25	4150	6860	9510	11470
Cooling capacity (Watt)				

VTZ 242 & AKD 5027

Evap temp. (°C)	Operating frequency			
	35 Hz	55 Hz	75 Hz	90 Hz
0	20110	31800	43090	51710
-10	12660	19890	27120	32540
-20	7390	11620	15840	19010
-25	5420	8520	11620	13940
Cooling capacity (Watt)				

Cooling capacity at 45° C cond. - SC 0 K, SH 10 K

For further technical data details contact your local Danfoss organisation

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