

CUBO₂ PLUS 2

SCM FRIGO

Transcritical CO₂ Condensing Units



available with

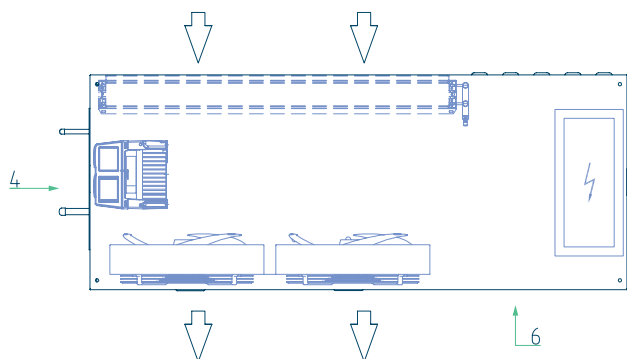
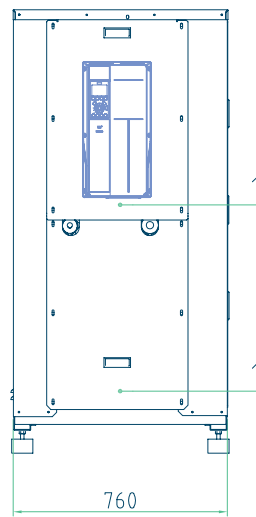
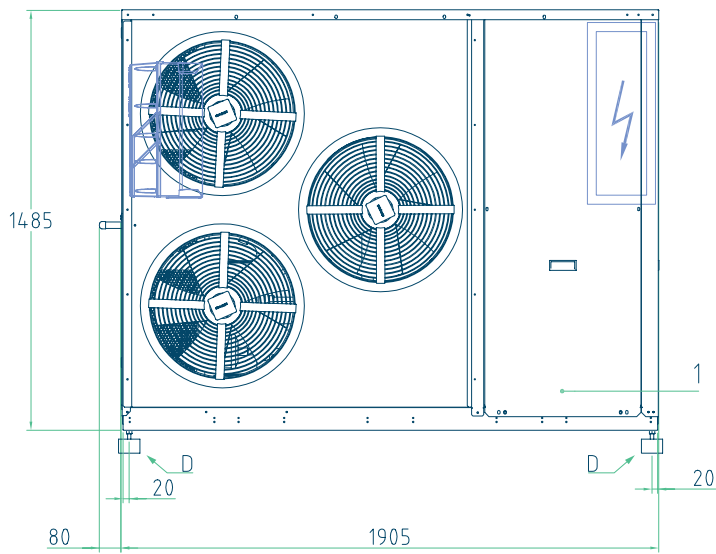
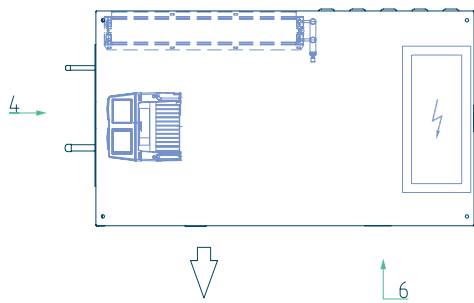
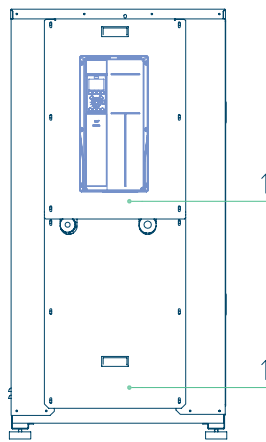
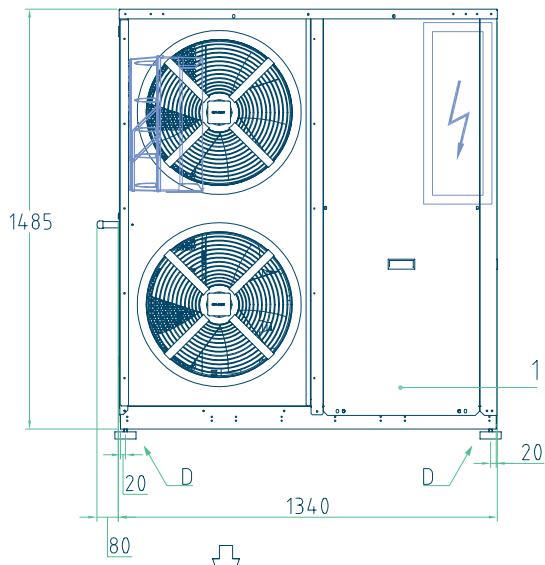
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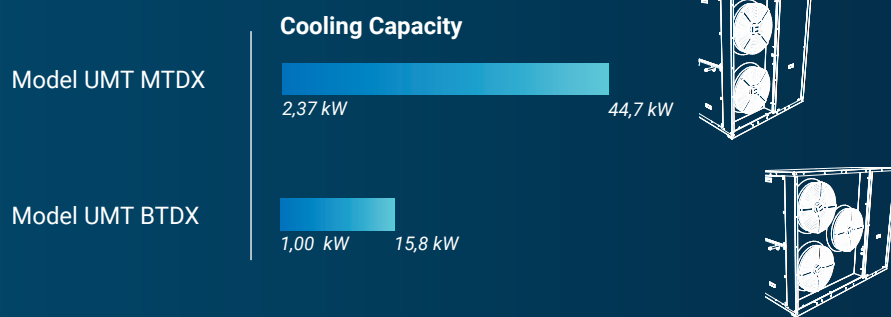
We know the art of achieving
a perfect temperature.

Dimensional data of the units



CO₂ Systems for medium and low temperature applications

Transcritical condensing units DX



Design is compact and units are easy to install and maintain.
Units are equipped with gas cooler and electrical panel, tested and factory programmed for an easy start-up.

- Semi Hermetic reciprocating compressor
- EC fans
- K65 connections
- Liquid Receiver 15 litres
- Design pressure:
 - 120 bar (high pressure side)
 - 80 bar (liquid line)
 - 80 bar (suction)

OPTION ON REQUEST

- Frequency controlled compressor on LT line
- Adiabatic System
(suggested for ambient temperatures > +38°)
- RDM Controller
- Danfoss Controller
- WURM Controller
- Liquid Receiver 37 litres

Preliminary Data

MEDIUM TEMPERATURE

UMT 036 MTDX	Dorin CD 360H	Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
T amb [°C]	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
40	1,96	3,93	0,89	2,46	4,92	1,07	3,03	6,05	1,27	3,65	7,30	1,49	4,33	8,65	1,74	
38	2,07	4,14	0,96	2,59	5,17	1,15	3,18	6,35	1,36	3,83	7,65	1,60	4,53	9,05	1,88	
32	2,44	4,88	1,20	3,03	6,06	1,44	3,69	7,39	1,73	4,43	8,85	2,06	5,22	10,44	2,44	
25	2,90	5,80	1,44	3,60	7,20	1,81	4,39	8,77	2,08	5,26	10,52	2,49	6,21	12,41	2,96	
15	3,65	7,29	2,03	4,41	8,81	2,75	5,40	10,80	3,03	6,43	12,86	3,70	7,54	15,08	4,54	
5	4,46	8,93	2,97	5,41	10,83	4,12	6,48	12,96	4,67	7,66	15,32	5,95	8,93	17,87	7,75	
MEPS	2,56 (according to Ecodesign Directive EN 2009/125/EC)															
Usage kWh	19150															
MRA/Pmax	15,9 A / 7,5 kW															
UMT 075 MTDX	Dorin CD 4 75-4.7H	Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
T amb [°C]	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
40	4,10	8,20	1,06	5,01	10,02	1,25	5,99	11,97	1,45	6,98	13,97	1,65	7,96	15,92	1,87	
38	4,27	8,55	1,14	5,20	10,40	1,33	6,18	12,36	1,54	7,17	14,33	1,76	8,11	16,22	1,98	
32	4,81	9,61	1,39	5,68	11,36	1,60	6,51	13,02	1,82	7,25	14,49	2,02	7,89	15,77	2,24	
25	5,88	11,77	1,73	7,14	14,28	2,05	8,49	16,98	2,41	9,85	19,70	2,81	11,13	22,25	3,23	
15	7,12	14,23	2,43	8,41	16,83	2,88	9,57	19,15	3,34	10,43	20,86	3,77	11,50	22,99	4,41	
5	7,98	15,96	3,39	9,17	18,33	4,05	10,86	21,73	5,11	12,72	25,44	6,58	14,72	29,43	8,74	
MEPS	2,67 (according to Ecodesign Directive EN 2009/125/EC)															
	26174															
MRA/Pmax	20,5 A / 10,4 kW															
UMT 120 MTDX	Dorin CD4 90-6.4H	Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
T amb [°C]	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
40	5,66	11,32	1,10	6,93	13,86	1,29	8,30	16,60	1,49	9,69	19,38	1,70	11,03	22,05	1,92	
38	5,91	11,82	1,17	7,21	14,42	1,38	8,58	17,16	1,59	9,94	19,88	1,81	11,21	22,43	2,03	
32	6,69	13,37	1,45	7,90	15,80	1,67	9,00	18,00	1,87	9,95	19,90	2,07	10,78	21,56	2,27	
25	8,10	16,21	1,78	9,86	19,72	2,11	11,73	23,47	2,49	13,58	27,16	2,89	15,20	30,40	3,28	
15	9,85	19,71	2,53	11,71	23,42	3,00	13,28	26,57	3,45	14,36	28,72	3,84	15,75	31,49	4,42	
5	11,74	23,49	3,75	12,55	25,10	4,13	14,86	29,72	5,13	17,38	34,75	6,46	20,08	40,15	8,24	
MEPS	2,75 (according to Ecodesign Directive EN 2009/125/EC)															
	35268															
MRA/Pmax	26,3 A / 13,8 kW															
UMT 150 MTDX	Dorin CD 1400H	Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
T amb [°C]	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
40	8,09	16,18	1,09	9,95	19,90	1,29	12,01	24,02	1,50	14,21	28,41	1,73	16,45	32,91	1,98	
38	8,46	16,91	1,17	10,38	20,76	1,38	12,50	24,99	1,61	14,73	29,46	1,86	16,98	33,95	2,12	
32	9,72	19,45	1,47	13,61	27,22	1,61	15,10	30,21	1,77	14,13	28,26	2,02	17,77	35,54	2,55	
25	11,56	23,13	1,77	14,10	28,21	2,10	16,92	33,85	2,49	19,95	39,91	2,92	23,05	46,11	3,40	
15	14,10	28,20	2,51	17,03	34,05	3,01	20,22	40,45	3,60	23,48	46,96	4,25	26,44	52,87	4,92	
5	16,75	33,51	3,66	19,94	39,88	4,42	23,05	46,10	5,23	25,73	51,47	6,05	28,31	56,61	6,97	
MEPS	2,83 (according to Ecodesign Directive EN 2009/125/EC)															
	51217															
MRA/Pmax	33,4 A / 18,6 kW															
UMT 190 MTDX	Dorin CD 2000H	Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]**		COP	Cooling Capacity [W]**		COP
T amb [°C]	min	max	min	max	min	max	min	max	min	max	min	max	min	max		
40	10,64	21,29	1,13	12,86	25,72	1,32	15,10	30,21	1,51	17,25	34,50	1,70	18,88	37,76	1,83	
38	11,05	22,10	1,21	13,25	26,50	1,40	15,42	30,84	1,60	17,44	34,88	1,79	18,86	37,72	1,92	
32	12,92	25,84	1,49	15,41	30,81	1,74	17,76	35,52	1,97	19,83	39,66	2,19	21,58	43,16	2,41	
25	15,23	30,45	1,87	18,22	36,45	2,19	21,08	42,16	2,52	22,78	45,56	2,78	24,42	48,84	3,02	
15	17,95	35,91	2,59	20,14	40,29	2,92	21,79	43,58	3,21	26,32	52,64	3,82	26,12	52,24	4,23	
5	19,84	39,67	3,59	23,73	47,45	4,43	28,03	56,07	5,50	30,99	61,98	6,36	35,21	70,42	7,23	
MEPS	2,85 (according to Ecodesign Directive EN 2009/125/EC)															
	66470															
MRA/Pmax	42,4 A / 24 kW															

Inverter modulation from 30 to 60 Hz except / cooling capacity min @30 Hz - max @ 60 Hz except ** @ 50 Hz

N° of fans / Dimensions & Weight / Noise

PEDII	2x500	2x500	2x500	3x500			
	CD360H	mm1340x760x1485 Weight 460 Kg **Noise 43 dB(A)	CD4 120-9.2H	mm1340x760x1485 Weight 560 Kg **Noise 44 dB(A)	CD4 90-6.4H	mm1340x760x1485 Weight 570 Kg **Noise 45 dB(A)	CD4 75-4.7H
	3x500						
	CD2000H	mm1895x760x1485 Weight 655 Kg **Noise 45 dB(A)					

Preliminary Data

MEDIUM TEMPERATURE

		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 036 MTDX	Bitzer 2MTE-5K	T amb [°C]		min	max		min	max		min	max		min	max		
		40	2,85	5,70	1,09	3,48	6,95	1,17	4,19	8,38	1,37	4,98	9,97	1,58	5,91	11,82
38	2,98	5,97	1,17	3,65	7,29	1,26	4,40	8,81	1,48	5,24	10,48	1,72	6,20	12,40	2,02	
32	3,46	6,92	1,49	4,24	8,48	1,61	5,11	10,23	1,91	6,03	12,05	2,23	6,94	13,87	2,59	
25	4,09	8,18	1,79	5,04	10,08	1,94	6,15	12,31	2,33	7,45	14,90	2,81	8,87	17,75	3,39	
15	4,97	9,94	2,78	6,05	12,11	3,00	7,19	14,38	3,58	8,45	16,90	4,27	9,80	19,60	5,14	
5	5,93	11,86	3,99	7,21	14,42	4,32	8,55	17,11	5,28	10,09	20,17	6,51	11,69	23,37	8,17	
		MEPS 2,75 (according to Ecodesign Directive EN 2009/125/EC)														
		Usage kWh 18927														
		MRA/Pmax 15,9 A / 7,5 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 075 MTDX	Bitzer 2KTE-7K	T amb [°C]		min	max		min	max		min	max		min	max		
		40	4,11	8,22	1,04	5,05	10,09	1,23	6,13	12,26	1,44	7,35	14,69	1,68	8,65	17,30
38	4,31	8,62	1,12	5,29	10,58	1,32	6,42	12,83	1,55	7,67	15,33	1,81	8,99	17,97	2,10	
32	5,00	10,00	1,42	6,09	12,19	1,68	7,25	14,49	1,95	8,36	16,73	2,23	9,37	18,73	2,52	
25	5,96	11,92	1,72	7,33	14,65	2,05	8,89	17,78	2,44	10,64	21,28	2,90	12,50	25,00	3,45	
15	7,11	14,21	2,55	8,48	16,96	2,99	9,99	19,98	3,51	11,64	23,28	4,12	13,43	26,86	4,88	
5	8,51	17,02	3,59	10,09	20,18	4,27	11,83	23,66	5,10	13,73	27,47	6,13	15,80	31,60	7,46	
		MEPS 2,78 (according to Ecodesign Directive EN 2009/125/EC)														
		Usage kWh 26966														
		MRA/Pmax 20,5 A / 10,4 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 120 MTDX	Bitzer 4MTE-10K	T amb [°C]		min	max		min	max		min	max		min	max		
		40	5,39	10,79	1,04	6,70	13,40	1,22	8,13	16,26	1,41	9,64	19,29	1,64	11,18	22,37
38	5,70	11,39	1,12	7,04	14,08	1,31	8,48	16,95	1,52	9,97	19,94	1,76	11,43	22,87	2,02	
32	6,61	13,22	1,39	7,88	15,76	1,61	9,05	18,09	1,82	10,10	20,19	2,05	11,06	22,13	2,30	
25	8,02	16,04	1,70	9,86	19,71	2,04	11,86	23,72	2,44	13,89	27,79	2,89	15,72	31,45	3,36	
15	9,26	18,52	2,42	11,02	22,04	2,85	12,95	25,90	3,35	15,05	30,10	3,94	17,33	34,65	4,64	
5	11,07	22,14	3,44	13,00	26,00	4,14	15,37	30,74	4,82	17,82	35,64	5,71	20,47	40,95	6,77	
		MEPS 2,68 (according to Ecodesign Directive EN 2009/125/EC)														
		Usage kWh 36104														
		MRA/Pmax 26,3 A / 13,8 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 150 MTDX	Bitzer 4KTE-12K	T amb [°C]		min	max		min	max		min	max		min	max		
		40	8,18	16,35	1,08	10,13	20,27	1,28	12,24	24,48	1,50	14,44	28,88	1,73	16,64	33,29
38	8,61	17,22	1,17	10,62	21,23	1,39	12,73	25,47	1,61	14,89	29,78	1,85	16,99	33,98	2,09	
32	9,80	19,59	1,46	11,66	23,31	1,69	13,35	26,69	1,90	14,86	29,72	2,11	16,25	32,51	2,33	
25	11,96	23,92	1,80	14,73	29,47	2,17	17,70	35,41	2,57	20,66	41,33	2,99	23,29	46,58	3,43	
15	13,83	27,66	2,56	16,41	32,82	2,98	19,26	38,51	3,47	22,38	44,76	4,05	25,79	51,58	4,76	
5	16,93	33,87	3,69	19,80	39,61	4,30	23,00	45,99	5,04	26,55	53,09	5,97	30,44	60,87	7,14	
		MEPS 2,74 (according to Ecodesign Directive EN 2009/125/EC)														
		Usage kWh 52347														
		MRA/Pmax 33,4 A / 18,6 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]**		COP	Cooling Capacity [W]**		COP
UMT 190 MTDX	Bitzer 4HTE-20K	T amb [°C]		min	max		min	max		min	max		min	max		
		40	10,63	21,27	1,14	12,80	25,60	1,31	15,11	27,67	1,49	17,40	29,00	1,67	19,60	32,67
38	11,12	22,25	1,22	13,26	26,53	1,40	15,49	28,38	1,58	17,65	29,41	1,77	19,68	32,80	1,96	
32	13,13	26,25	1,52	13,73	27,46	1,61	17,29	31,67	1,93	20,14	33,56	2,19	23,11	38,51	2,46	
25	15,54	31,08	1,90	18,47	36,93	2,21	21,40	39,19	2,54	23,92	39,87	2,84	25,97	43,29	3,13	
15	17,08	34,16	2,53	20,02	40,04	2,91	23,31	42,70	3,35	26,87	44,78	3,84	30,70	51,17	4,38	
5	20,22	40,44	3,49	23,66	47,33	4,06	27,51	50,39	4,70	31,63	52,72	5,40	36,05	60,08	6,17	
		MEPS 2,71 (according to Ecodesign Directive EN 2009/125/EC)														
		Usage kWh 62283														
		MRA/Pmax 42,4 A / 24 kW														

Inverter modulation from 30 to 60 Hz except / cooling capacity min @30 Hz - max @ 60 Hz except ** @ 50 Hz

N° of fans / Dimensions & Weight / Noise

PEDII	2x500	2MTE-5K	mm1340x760x1485 Weight 460 Kg **Noise 43 dB(A)	2x500	2KTE-7K	mm1340x760x1485 Weight 470 Kg **Noise 44 dB(A)	2x500	4MTE-10K	mm1340x760x1485 Weight 570 Kg **Noise 44 dB(A)	3x500	4KTE-12K	mm1895x760x1485 Weight 645 Kg **Noise 45 dB(A)
	3x500	4HTE-20K	mm1895x760x1485 Weight 655 Kg **Noise 45 dB(A)									

		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 075 VS MTDX	Bitzer 4PTE-7K	T amb [°C]		min		max	min		max	min		max	min		max	
		40	0,69	6,85	1,10	0,84	8,42	1,29	1,02	10,25	1,51	1,23	12,35	1,76	1,47	14,71
38	0,72	7,18	1,18	0,88	8,84	1,39	1,08	10,75	1,63	1,29	12,94	1,92	1,54	15,39	2,25	
32	0,84	8,36	1,51	1,03	10,28	1,79	1,24	12,45	2,12	1,48	14,82	2,50	1,72	17,19	2,91	
25	0,99	9,93	1,82	1,22	12,21	2,16	1,48	14,84	2,57	1,78	17,84	3,07	2,12	21,22	3,69	
15	1,22	12,23	2,89	1,46	14,64	3,42	1,73	17,30	4,05	2,02	20,24	4,81	2,34	23,45	5,76	
5	1,46	14,64	4,18	1,74	17,41	5,02	2,05	20,48	6,07	2,39	23,88	7,44	2,76	27,59	9,26	
MEPS		3,14 (according to Ecodesign Directive EN 2009/125/EC)														
20096																
MRA/Pmax		20,5 A / 10,4 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 120 VS MTDX	Bitzer 4MTE-10K	T amb [°C]		min		max	min		max	min		max	min		max	
		40	0,90	8,99	1,04	1,12	11,17	1,22	1,35	13,55	1,41	1,61	16,07	1,64	1,86	18,64
38	0,95	9,50	1,12	1,17	11,73	1,31	1,41	14,13	1,52	1,66	16,61	1,76	1,91	19,06	2,02	
32	1,10	11,02	1,39	1,31	13,13	1,61	1,51	15,08	1,82	1,68	16,83	2,05	1,84	18,44	2,30	
25	1,34	13,37	1,70	1,64	16,43	2,04	1,98	19,77	2,44	2,32	23,16	2,89	2,62	26,21	3,36	
15	1,54	15,43	2,42	1,84	18,37	2,85	2,16	21,58	3,35	2,51	25,09	3,94	2,89	28,88	4,64	
5	1,85	18,45	3,44	2,17	21,66	4,14	2,56	25,61	4,82	2,97	29,70	5,71	3,41	34,12	6,77	
MEPS		2,68 (according to Ecodesign Directive EN 2009/125/EC)														
30081																
MRA/Pmax		26,3 A / 13,8 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP
UMT 150 VS MTDX	Bitzer 4KTE-12K	T amb [°C]		min		max	min		max	min		max	min		max	
		40	1,36	13,63	1,08	1,69	16,89	1,28	2,04	20,40	1,50	2,89	28,88	2,07	3,33	33,29
38	1,43	14,35	1,17	1,77	17,69	1,39	2,12	21,22	1,61	2,98	29,78	2,22	3,40	33,98	2,51	
32	1,63	16,33	1,46	1,94	19,43	1,69	2,22	22,25	1,90	2,97	29,72	2,53	3,25	32,51	2,80	
25	1,99	19,93	1,80	2,46	24,56	2,17	2,95	29,51	2,57	4,13	41,33	3,59	4,66	46,58	4,11	
15	2,31	23,05	2,56	2,74	27,35	2,98	3,21	32,09	3,47	4,48	44,76	4,86	5,16	51,58	5,71	
5	2,82	28,22	3,69	3,30	33,01	4,30	3,83	38,33	5,04	5,31	53,09	7,16	6,09	60,87	8,56	
MEPS		2,80 (according to Ecodesign Directive EN 2009/125/EC)														
42608																
MRA/Pmax		33,4 A / 18,6 kW														
		Evaporation Temperature [°C]														
		-15			-10			-5			0			5		
		Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]		COP	Cooling Capacity [W]**		COP	Cooling Capacity [W]**		COP
UMT 190 VS MTDX	Bitzer 4HTE-20K	T amb [°C]		min		max	min		max	min		max	min		max	
		40	1,77	17,72	1,14	2,13	21,33	1,31	2,52	25,16	1,49	2,90	29,00	1,67	3,27	32,67
38	1,85	18,54	1,22	2,21	22,11	1,40	2,58	25,80	1,58	2,94	29,41	1,77	3,28	32,80	1,96	
32	2,19	21,88	1,52	2,29	22,88	1,61	2,88	28,79	1,93	3,36	33,56	2,19	3,85	38,51	2,46	
25	2,59	25,90	1,90	3,08	30,78	2,21	3,56	35,63	2,54	3,99	39,87	2,84	4,33	43,29	3,13	
15	2,85	28,47	2,53	3,34	33,36	2,91	3,88	38,82	3,35	4,48	44,78	3,84	5,12	51,17	4,38	
5	3,37	33,70	3,49	3,94	39,44	4,06	4,58	45,81	4,70	5,27	52,72	5,40	6,01	60,08	6,17	
MEPS		2,71 (according to Ecodesign Directive EN 2009/125/EC)														
51896																
MRA/Pmax		42,4 A / 24 kW														

Varistep modulation from 10 to 100 % of the capacity @ 50 Hz

N° of fans / Dimensions & Weight / Noise

PEDII	2x500		2x500		3x500		3x500	
	2KTE-7K	mm1340x760x1485 Weight 470 Kg **Noise 44 dB(A)	4MTE-10K	mm1340x760x1485 Weight 570 Kg **Noise 44 dB(A)	4KTE-12K	mm1895x760x1485 Weight 645 Kg **Noise 45 dB(A)	4HTE-20K	mm1895x760x1485 Weight 655 Kg **Noise 45 dB(A)

Preliminary Data

LOW TEMPERATURE

UMT 030 BTDX	Dorin CD2S 300	Evaporation Temperature [°C]											
		-40			-35			-30			-25		
		Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP
T amb [°C]	min	max		min	max		min	max		min	max		
40	-	-	-	-	-	-	1,38	2,11	0,97	1,58	2,38	1,05	
38	-	-	-	1,22	1,84	0,94	1,42	2,14	1,02	1,64	2,46	1,11	
32	1,08	1,62	0,94	1,26	1,90	1,04	1,53	2,29	1,12	1,73	2,59	1,31	
20	1,17	1,75	1,25	1,37	2,05	1,39	1,66	2,48	1,60	1,90	2,86	1,77	
MEPS	0,96 (according to Ecodesign Directive EN 2009/125/EC)												
MRA/Pmax	10,4 A / 4,2 kW												
UMT035 BTDX	Dorin CD2S 350	Evaporation Temperature [°C]											
		-40			-35			-30			-25		
		Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP
T amb [°C]	min	max		min	max		min	max		min	max		
40	-	-	-	-	-	-	1,62	2,42	0,99	1,88	2,82	1,08	
38	-	-	-	1,46	2,18	0,97	1,67	2,51	1,05	1,94	2,92	1,15	
32	1,30	1,96	1,03	1,54	2,30	1,14	1,78	2,68	1,12	2,06	3,10	1,36	
20	1,44	2,16	1,35	1,69	2,53	1,49	1,98	2,98	1,66	2,31	3,47	1,84	
MEPS	1,01 (according to Ecodesign Directive EN 2009/125/EC)												
MRA/Pmax	11,7 A / 4,7 kW												
UMT 036 BTDX	Dorin CD2S 360	Evaporation Temperature [°C]											
		-40			-35			-30			-25		
		Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP
T amb [°C]	min	max		min	max		min	max		min	max		
40	-	-	-	-	-	-	2,09	3,13	0,99	2,44	3,66	1,09	
38	-	-	-	1,86	2,80	0,97	2,16	3,24	1,05	2,50	3,76	1,14	
32	1,67	2,51	1,03	1,97	2,95	1,13	2,29	3,43	1,23	2,68	4,02	1,36	
20	1,86	2,78	1,34	2,19	3,29	1,50	2,55	3,83	1,64	2,97	4,45	1,81	
MEPS	1,60 (according to Ecodesign Directive EN 2009/125/EC)												
MRA/Pmax	11,9 A / 5 kW												
UMT 120 BTDX	Dorin CD2S 1200	Evaporation Temperature [°C]											
		-40			-35			-30			-25		
		Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP	Cooling Capacity [kW]		COP
T amb [°C]	min	max		min	max		min	max		min	max		
40	-	-	-	-	-	-	8,05	12,07	1,01	9,24	13,86	1,09	
38	-	-	-	7,07	10,61	0,98	8,28	12,42	1,07	9,51	14,27	1,15	
32	6,16	9,24	1,01	7,35	11,03	1,13	8,58	12,86	1,23	9,96	14,94	1,34	
20	6,56	9,84	1,29	7,78	11,68	1,45	9,14	13,72	1,59	10,57	15,85	1,73	
MEPS	1,70 (according to Ecodesign Directive EN 2009/125/EC)												
MRA/Pmax	32,4 A / 13,2 kW												

inverter modulation from 40 to 60 Hz / cooling capacity min @ 40Hz - max @ 60 Hz

N° of fans / Dimensions & Weight / Noise

PEDII	2x500	2x500	2x500	2x500	
CD2S300	mm1340x760x1485 Weight 460 Kg **Noise 48 dB(A)	CD2S350	mm1340x760x1485 Weight 465 Kg **Noise 48 dB(A)	CD2S360	mm1340x760x1485 Weight 470 Kg **Noise 48 dB(A)
		CD2S1200			mm1340x760x1485 Weight 560 Kg **Noise 50 dB(A)

