

UNFC Series Cabinet Types

- ❄️ Cooling capacity: 1,78 - 12,33 kW
- 🔥 Heating capacity: 1,78 - 20,23 kW

- Ideal temperature and indoor air quality for all seasons
- Low energy consumption
- Advanced electronic control options
- Maximum energy efficiency and minimum sound
- Compliance with eco design requirements
- Eurovent certified series



Structural features

- Produced from high zinc ratio corrosion resistant galvanized sheet and painted cabinet sheet with different color options.
- High energy efficient and silent radial fans (230V, 1 ph-50Hz or Electronically Commutated BLDC Motor)
- Easy access for service and cleaning due to mesh filters
- Specially designed waterproof terminal box are used for electrical connections.
- Coils are produced from high efficient, seamless copper pipe and aluminum fins. Each coil is installed in factory after test at 20 bar pressure.
- Special drip pan is used underneath the coil that prevents air leak and allows the transfer of condensed water into the drain pan.
- Drain pan is enameled with high protection specification and self-insulated.
- Additional drip pan, made up of ABS material, are used in order to prevent dripping at the coil and valve connection.

Types

- **KTP** : Cabinet ceiling type, bottom inlet and front supply
- **KTT** : Cabinet ceiling type, rear inlet and front supply
- **KDT** : Cabinet floor type, bottom inlet and top supply (Feet are optional)
- **KYT** : Cabinet floor type, front inlet and top supply
- **GDT** : Floor type without cabinet, bottom inlet and top supply

Versions

- **2C** : 2-Pipe
- **4C** : 4-Pipe
- **2E** : 2-Pipe with EC Motor
- **4E** : 4-Pipe with EC Motor

Options / Accessories

- Additional heating coil for 4-Pipe systems
- 2-way valves and actuators (Supplied loose)
- 3-way valves and actuators
- Room thermostat
- Digital room thermostat



UNFC Series

KDT - KYT - KTP - KTT - GDT TYPES 2-PIPE

	2C	015	020	025	030	035	040	050	060	070	080	100	110	
Technical Specifications														
❶ Total Cooling Capacity	kW	1,51	2,04	2,68	3,29	4,02	4,66	5,42	6,37	7,34	8,25	9,4	10,88	
❷ Sensible Cooling Capacity	kW	1,16	1,4	1,87	2,38	2,77	3,25	3,64	4,53	5,04	5,71	6,38	7,46	
❸ Heating Capacity	kW	2,96	3,39	4,65	5,96	6,73	7,97	8,68	11,3	12,37	14,12	15,52	18,33	
Airflow (High Speed)	m³/h	335	310	449	675	632	773	789	1113	1151	1349	1437	1751	
Airflow (Medium Speed)	m³/h	288	238	352	530	498	628	623	924	920	996	1146	1421	
Airflow (Low Speed)	m³/h	145	134	185	344	321	368	393	486	553	639	734	897	
Dimensions														
	mm	850	850	850	1110	1110	1110	1370	1370	1680	1680	1880	1880	
KDT Unit (WxHxD)	mm	545	545	545	545	545	545	545	545	545	545	545	545	
	mm	231	231	231	231	231	231	231	231	231	231	231	231	
	mm	885	885	885	1145	1145	1145	1405	1405	1685	1685	1955	1955	
KDT With Package (WxHxD)	mm	560	560	560	560	560	560	560	560	560	560	560	560	
	mm	250	250	250	250	250	250	250	250	250	250	250	250	
	mm	647	647	647	907	907	907	1167	1167	1427	1427	1687	1687	
GDT Unit (WxHxD)	mm	513	513	513	513	513	513	513	513	513	513	513	513	
	mm	221	221	221	221	221	221	221	221	221	221	221	221	
	mm	880	880	880	1140	1140	1140	1400	1400	1690	1690	1950	1950	
GDT With Package (WxHxD)	mm	570	570	570	570	570	570	570	570	570	570	570	570	
	mm	260	260	260	260	260	260	260	260	260	260	260	260	
Weight	kg	20,6	21,2	21,2	26,9	27,8	28,8	31,7	33,4	41,5	42,5	50,6	52,9	
Fluid Data														
❶ Water Flowrate (Cooling)	l/h	264,3	354,6	469,7	574,5	688,2	812,4	941,1	1112,3	1277,7	1438,4	1636,3	1849,9	
❷ Water Side Pressure Drop	kPa	4,4	11,2	18,8	25,1	17,7	23,2	38,2	14,5	22,1	27,5	39,7	51,9	
❸ Water Flowrate (Heating)	l/h	128,9	147,9	202	259,8	293,6	347,3	378,9	491,9	539,1	615,1	677,7	799	
❹ Water Side Pressure Drop	kPa	1	1,8	3,3	4,8	3	4	5,9	2,7	3,7	4,7	6,5	8,7	
Water Content (Cooling)	l	0,86	1,19	1,19	1,22	1,73	1,73	2,28	2,28	2,83	2,83	3,37	3,37	
Sound Level ❸														
Sound Pressure Level (High)	dBA	34	35	42	38	36	43	40	46	46	48	46	48	
Sound Pressure Level (Med)	dBA	32	33	38	36	35	40	37	44	45	46	42	47	
Sound Pressure Level (Low)	dBA	21	23	28	29	29	33	30	33	34	35	34	39	
Installation Data														
Coil In/Out Diameter	inch	3/4												
Drain Pipe Diameter	mm	20												
Absorbed Power														
Absorbed Power (Cooling)	W	32/7/22	31/26/22	59/46/35	58/50/41	57/48/41	76/66/56	73/58/43	118/102	162	115/61	145/120	142/109	172/150
High/Medium/Low Speed														
Absorbed Power (Heating)	W	32/28/22	31/28/22	59/48/35	58/51/41	57/50/41	77/68/56	73/57/43	118/105	159/94	145/78	142/112	173/154	
High/Medium/Low Speed														

- ❶ Values are at high speed, 27 °C DB 50 % RH room conditions and 7/12 °C in/out water temperatures.
- ❷ Values are at high speed, 20 °C DB room conditions and 70/50 °C in/out temperatures.
- ❸ Sound pressure levels are measured at 1 m. distance from the tested unit and Q. 1.

