



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-1ph-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 28 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.

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

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



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
❶ 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
❷ 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	258	238	352	530	498	626	623	924	920	996	1146	1421
Airflow (Low Speed)	m³/h	145	134	185	344	321	358	393	486	553	639	734	897
Dimensions													
KDT Unit (WxHxD)	mm	825	825	825	1100	1100	1100	1375	1375	1650	1650	1925	1925
		536	536	536	536	536	536	536	536	536	536	536	536
		240	240	240	240	240	240	240	240	240	240	240	240
KDT With Package (WxHxD)	mm	885	885	885	1145	1145	1145	1405	1405	1695	1695	1955	1955
		560	560	560	560	560	560	560	560	560	560	560	560
		250	250	250	250	250	250	250	250	250	250	250	250
GDT Unit (WxHxD)	mm	647	647	647	907	907	907	1167	1167	1427	1427	1687	1687
		513	513	513	513	513	513	513	513	513	513	513	513
		221	221	221	221	221	221	221	221	221	221	221	221
GDT With Package (WxHxD)	mm	880	880	880	1140	1140	1140	1400	1400	1690	1690	1950	1950
		570	570	570	570	570	570	570	570	570	570	570	570
		260	260	260	260	260	260	260	260	260	260	260	260
GDT Unit Weight	kg	14,5	15	15	20,5	21,5	21,5	26	26,5	34	34	40	40
KGT Unit Weight	kg	20,5	21	21	27,7	28,7	28,7	34,5	35	43,8	43,8	51	51
GDT Unit With Package Weight	kg	16,1	16,6	16,6	22,5	23,5	23,5	28,4	28,9	36,9	36,9	43,2	43,2
KGT Unit With Package Weight	kg	22,1	22,7	22,7	29,7	30,7	30,7	36,9	37,4	46,7	46,7	54,2	54,2
Fluid Data													
❶ Water Flowrate (Cooling)	l/h	264,3	354,6	469,7	574,5	698,2	812,4	941,1	1112,3	1277,7	1438,4	1636,3	1849,9
❶ 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
❷ 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
❷ 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	32/27/22	31/26/22	59/46/35	58/50/41	57/49/41	76/66/56	73/58/43	116/102	115/91	145/120	142/109	172/150
High/Medium/Low Speed									/82	/73	/98	/86	/124
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	115/94	145/126	142/112	173/154
High/Medium/Low Speed									/83	/73	/99	/86	/124

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 mt. distance from the tested unit and Q: 1.

