

2 - 11kW



> **Chilled water cassette**

Optimised comfort cooling technology

Typical applications

- > Offices
- > Call centres
- > Retail stores
- > Leisure facilities
- > Restaurants

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Chilled water cassette

The chilled water cassette is designed to optimise energy efficiency and air distribution performance. It combines unsurpassed flexibility and quality with quiet operation and effective control.

A neat, compact unit, the cassette is both smart and unobtrusive. The smaller sized model measures just 600mm² and will fit into the space of a standard ceiling tile. The cassette provides a versatile solution for a wide range of commercial, retail and leisure applications where maintaining comfortable temperature control of the environment is essential. With a diverse choice of options in terms of heating, cooling and airflow, the cassette allows the optimum model to be selected.

Key technical data

- > 11 models with cooling capacities from 2 - 11kW
- > Available in 2 pipe and 4 pipe configurations
- > Efficient AC backward curved fan technology as standard
- > Low sound
- > Slimline, aesthetic design
- > Flexible heating and cooling options
- > Heating option based on a LPHW heating coil
- > Electric heating option (two pipe variant only)
- > Fire-resistant, high impact polystyrene fascia to sit flush with the standard ceiling tile
- > Electro-mechanical or infra-red control options for ease of operation and efficient, remote temperature and fan speed control



Typical applications



Offices



Leisure facilities



Retail

Key feature: Low sound

When it comes to controlling environmental conditions, sound level is a vital element. The cassette offers a range of features designed to minimise sound levels, including an AC backward curved fan configuration as standard and enhanced fascia design and motor configuration. The condensate pump is integral with the unit and very quiet, with a maximum head of 650mm.

Key feature: Easy maintenance

Designed for maximum flexibility, the cassette ensures easy installation and maintenance. Access to all principal components* is from below without the need to remove any parts of the false ceiling.

* excluding control panel

Key feature: Wide-ranging flexibility

Eleven different models are available to suit the application. A heating option and effective controls allow year-round comfort and energy efficient operation. The two pipe cassette features a cooling-only coil with an option for electric heating whilst the four pipe variant offers a cooling and heating coil. Branch ducting kits are available for flexible distribution of conditioned air. Air distribution is in four directions and a remote air diffuser can be connected to the unit. Fresh air intake is optional.

As illustrated below, multiple cassette units can be matched with an Airedale chilled water chiller for optimum environmental and operational flexibility.



Technical specifications

	Model no.	Cooling duty ¹						Heating duty ²			Sound pressure ³			Dimensions (HxWxD)(mm) ⁴	Weight (kg) ⁵
		Speed 1		Speed 2		Speed 3		Speed 1	Speed 2	Speed 3	Speed 1	Speed 2	Speed 3		
		TC	SC	TC	SC	TC	SC								
2 Pipe	TL02	1.27	1.01	1.63	1.32	1.98	1.64	1.62	2.12	2.64	24	31	40	575 x 575 x 275	25
	TL12	1.84	1.35	2.34	1.75	2.68	2.04	2.22	2.90	3.35	24	31	36	575 x 575 x 275	25
	TL22	2.25	1.57	3.34	2.39	4.33	3.18	2.56	3.93	5.23	24	36	44	575 x 575 x 275	27
	TL32	2.94	2.08	3.88	2.81	5.02	3.74	3.43	4.63	6.17	32	40	50	575 x 575 x 275	27
	TL42	4.21	3.03	4.91	3.58	6.16	4.59	5.12	6.03	7.77	24	31	39	820 x 820 x 303	42
	TL52	5.31	3.46	6.78	4.48	9.51	6.48	5.61	7.34	10.71	25	31	44	820 x 820 x 303	45
	TL62	5.31	3.71	8.45	6.09	11.10	8.25	6.13	10.30	14.00	25	39	49	820 x 820 x 303	45
4 Pipe	TL04	1.51	1.15	1.96	1.55	2.33	1.90	1.96	2.54	3.03	24	31	41	575 x 575 x 275	25
	TL14	1.85	1.34	2.36	1.71	2.70	1.98	2.43	3.02	3.46	24	31	36	575 x 575 x 275	25
	TL24	1.85	1.34	2.65	1.98	3.34	2.56	2.43	3.46	4.40	24	36	44	575 x 575 x 275	27
	TL34	2.36	1.75	3.02	2.29	3.81	2.97	3.10	3.97	4.95	32	40	50	575 x 575 x 275	27
	TL44	4.14	2.96	5.03	3.65	6.34	4.69	5.91	7.19	9.10	24	31	39	820 x 820 x 303	42
	TL54	4.52	3.25	5.66	4.15	7.71	5.83	6.45	8.10	11.00	25	31	44	820 x 820 x 303	45
	TL64	4.52	3.25	6.93	5.18	8.89	6.84	6.45	9.98	12.70	25	39	49	820 x 820 x 303	45

- Cooling duty based on 27°C DB and 7/12°C chilled water
- Heating duty based on 20°C DB and 50°C (2 pipe), 70/60°C (4 pipe) water
- Sound pressure levels apply to a reverberant field of 100m³ room and a reverberation time 0.5 sec
- Height H and width W relate to case size. H and W including fascia is 670 x 670 mm (600 x 600mm model) and 965 x 965mm (800 x 800mm model)
Dimension D = depth above ceiling level.
- Weight = unpacked unit + diffuser

- > For the latest information on our products please visit: www.airedale.com
- > Please refer to the technical manuals for more detailed information

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