

# WTE - WTR - WDR - WTS - WTA

## Dry coolers



WTE



WTR-WDR



WTS



WTA

## Features

### WTE RANGE

#### General features

- Design has privileged modularity, each unit is made up from standard sections, whose elements can be easily removed
- Parting from the WTE 563 for the  $\varnothing$  500 range, from the WTE 663 for the  $\varnothing$  630 range, models are found that are made up from two flanked units, thus making vertical installation impossible. All of the other models are designed for both horizontal and vertical installation. The support feet supplied can be used in both cases.
- To ease the connection of the electric system chillers, the fan motors are wired in the factory (excluding 350 diameter range) and connected to a junction box positioned on the collectors side and protected along with the latter by a lid that can be easily removed.

#### Construction features

- They are designed for outdoor installation and therefore manufactured with technologies and materials that guarantee resistance to atmospheric agents
- Coils with staggered copper pipes and corrugated or mechanically expanded aluminium louvers. The coils are fixed to the shoulders in a way to prevent pipe breakage due to any vibrations.
- Iron collectors with GAS threading.
- Latest generation axial fans to guarantee silent functioning and high performance with IP54 protection rating: They are envisioned for D/Y connections and different polarities and allow continuous regulation of the speed via voltage reduction.

#### • Available versions:

- (B) basic
- (S) silent
- (E) Super silent.

### WTA RANGE

#### General features

- Two exchangers positioned as W
- Two independent cooling circuits
- Two rows of fans with diameter of 800mm
- From 4 to 16 fans
- Separate ventilation compartments for each fan

### Construction features

- They are designed for outdoor installation and therefore manufactured with technologies and materials that guarantee resistance to atmospheric agents
- High efficiency louvred heat exchangers
- Latest generation axial fans to guarantee silent functioning and high performance with IP54 protection rating: The standard units are supplied with the fans wired onto the junction box. Air flow separator for each individual fan.

#### • Available versions:

- (BT) basic 6-pole
- (ST) silent 8-pole
- (ET) Super silent 12-pole

### WTR RANGE

#### General features

- V exchangers configuration
- Two independent cooling circuits
- Low noise
- Two rows of fans with diameter of 800mm
- From 4 to 10 fans

#### Construction features

- They are designed for outdoor installation and therefore manufactured with technologies and materials that guarantee resistance to atmospheric agents
- High efficiency louvred heat exchangers
- Latest generation axial fans to guarantee silent functioning and high performance with IP54 protection rating: The standard units are supplied with the fans wired onto the junction box. Air flow separator for each individual fan.

#### • Available versions:

- (BT) basic 6-pole
- (ST) silent 8-pole
- (ET) Super silent 12-pole

### WTS RANGE

#### General features

- Two exchangers positioned as V
- Fans diameter 500 mm
- From 2 to 5 fans
- Separate ventilation compartments for each fan

### Construction features

- They are designed for outdoor installation and therefore manufactured with technologies and materials that guarantee resistance to atmospheric agents
- High efficiency louvred heat exchangers
- Latest generation axial fans to guarantee silent functioning and high performance with IP54 protection rating. The standard units are supplied with fans wired on junction box. Air flow separator for each individual fan. The extremely small dimensions allow installation in contained spaces, high output power per surface occupied

#### • Available versions:

- (BT) basic 4-pole
- (ST) silent 6-pole
- (ET) Super silent 8-pole

### WTR RANGE

#### General features

- Two exchangers positioned as V
- Fans diameter 800 mm
- From 2 to 5 fans
- Separate ventilation compartments for each fan

#### Construction features

- They are designed for outdoor installation and therefore manufactured with technologies and materials that guarantee resistance to atmospheric agents
- High efficiency louvred heat exchangers
- Latest generation axial fans to guarantee silent functioning and high performance with IP54 protection rating: The standard units are supplied with the fans wired onto the junction box. Air flow separator for each individual fan. The extremely small dimensions allow installation in contained spaces, high output power per surface occupied

#### • Available versions:

- (BT) basic 6-pole
- (ST) silent 8-pole
- (ET) Super silent 12-pole

## Choosing the unit

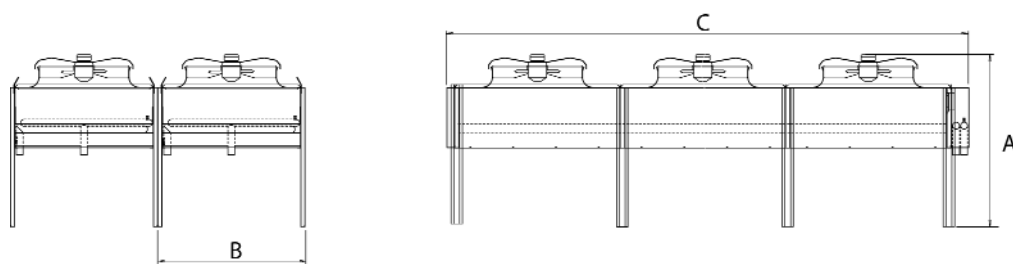
1-2-3	4	5	6	7	8
Condenser	ø[dm] fans	n° fans	Number of rows	Version	Power supply
WTE	3/5/6/9	1/2/3/4/6/8	2/3/4/5	B/S/E	T three-phase
WTS	5	2/3/4/5	3/4	B/S	T three-phase
WTR	8	2/3/4/5	3/4	B/S/E	T three-phase
WTA	8	4/6/8/10/12/14/16	3/4	B/S/E	T three-phase
WDR	8	4/6/8/10	3/4	B/S/E	T three-phase

## Couplings

To ease the choice of condenser, below find a table stating the couplings f condensers with NRW, NBW, WSA, WSB. The envisioned couplings require the mandatory use of the revs. adjuster and electric control board, to guarantee correct functioning on variation of external conditions.

## Technical and dimensional data

WTE



WTE models	ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTE 312 BM	3	1	2	2500	4,6	36	820	620	760
WTE 313 BM	3	1	3	2200	6	36	820	620	760
WTE 314 BM	3	1	4	2400	7,4	36	820	620	760
WTE 322 BM	3	2	3	5000	9,2	39	820	620	1310
WTE 323 BM	3	2	3	4400	12	39	820	620	1310
WTE 324 BM	3	2	4	4800	15	39	820	620	1310
WTE 332 BM	3	3	2	7500	14	41	820	620	1860
WTE 333 BM	3	3	3	6600	18	41	820	620	1860
WTE 334 BM	3	3	4	7200	22	41	820	620	1860
WTE 342 BM	3	4	2	10000	18	42	820	1200	1310
WTE 343 BM	3	4	3	8800	24	42	820	1200	1310
WTE 344 BM	3	4	4	9600	30	42	820	1200	1310
WTE 362 BM	3	6	2	15000	28	44	820	1200	1860
WTE 363 BM	3	6	3	13200	38	44	820	1200	1860
WTE 364 BM	3	6	4	14400	47	44	820	1200	1860
WTE 312 SM	3	1	2	1500	3,6	26	820	620	760
WTE 313 SM	3	1	3	1300	4,4	26	820	620	760
WTE 314 SM	3	1	4	1400	5	26	820	620	760
WTE 322 SM	3	2	3	3000	7,4	29	820	620	1310
WTE 323 SM	3	2	3	2600	9	29	820	620	1310
WTE 324 SM	3	2	4	2800	10	29	820	620	1310
WTE 332 SM	3	3	2	4500	11	31	820	620	1860
WTE 333 SM	3	3	3	3900	14	31	820	620	1860
WTE 334 SM	3	3	4	4200	16	31	820	620	1860
WTE 342 SM	3	4	2	6000	15	32	820	1200	1310
WTE 343 SM	3	4	3	5200	18	32	820	1200	1310
WTE 344 SM	3	4	4	5600	20	32	820	1200	1310
WTE 362 SM	3	6	2	9000	24	34	820	1200	1860
WTE 363 SM	3	6	3	7800	28	34	820	1200	1860
WTE 364 SM	3	6	4	8400	32	34	820	1200	1860
WTE 513 BT	5	1	3	7750	17	48	1060	833	1105
WTE 514 BT	5	1	4	7400	20	48	1060	833	1105
WTE 515 BT	5	1	5	7100	23	48	1060	833	1105
WTE 522 BT	5	2	2	16000	26	51	1060	833	2045
WTE 523 BT	5	2	3	15500	35	51	1060	833	2045
WTE 524 BT	5	2	4	14800	42	51	1060	833	2045

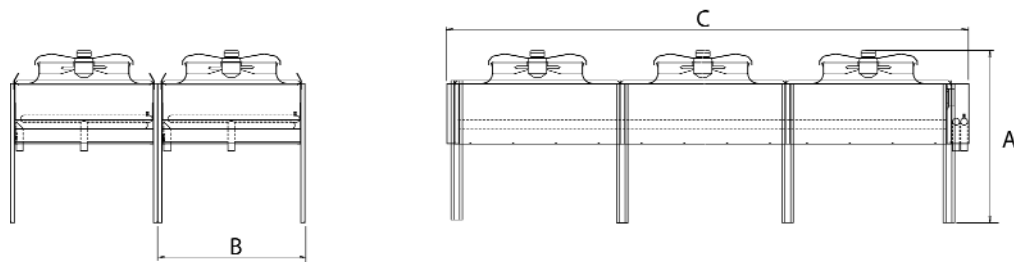
The performance refers to the following conditions:

♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glyvol = 34%

## Technical and dimensional data

### WTE



WTE models	Ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTE 525 BT	5	2	5	14200	47	51	1060	833	2045
WTE 533 BT	5	3	3	23250	54	53	1060	833	2985
WTE 534 BT	5	3	4	22200	63	53	1060	833	2985
WTE 535 BT	5	3	5	21300	70	53	1060	833	2985
WTE 543 BT	5	4	3	31000	71	54	1060	833	3925
WTE 544 BT	5	4	4	29600	83	54	1060	833	3925
WTE 545 BT	5	4	5	28400	96	54	1060	833	3925
WTE 563 BT	5	6	3	46500	108	56	1060	833	2985
WTE 564 BT	5	6	4	44400	126	56	1060	833	2985
WTE 565 BT	5	6	5	42600	140	56	1060	833	2985
WTE 583 BT	5	8	3	62000	142	57	1060	833	3925
WTE 584 BT	5	8	4	59200	166	57	1060	833	3925
WTE 585 BT	5	8	5	56800	192	57	1060	833	3925
WTE 513 ST	5	1	3	5100	13	38	1060	833	1105
WTE 514 ST	5	1	4	4850	11	38	1060	833	1105
WTE 515 ST	5	1	5	4600	17	38	1060	833	1105
WTE 522 ST	5	2	2	10650	21	41	1060	833	2045
WTE 523 ST	5	2	3	10200	27	41	1060	833	2045
WTE 524 ST	5	2	4	9700	32	41	1060	833	2045
WTE 525 ST	5	2	5	9200	34	41	1060	833	2045
WTE 533 ST	5	3	3	15300	41	43	1060	833	2985
WTE 534 ST	5	3	4	14550	48	43	1060	833	2985
WTE 535 ST	5	3	5	13800	52	43	1060	833	2985
WTE 543 ST	5	4	3	20400	56	44	1060	833	3925
WTE 544 ST	5	4	4	19400	64	44	1060	833	3925
WTE 545 ST	5	4	5	18400	69	44	1060	833	3925
WTE 563 ST	5	6	3	30600	82	46	1060	833	2985
WTE 564 ST	5	6	4	29100	96	46	1060	833	2985
WTE 565 ST	5	6	5	27600	104	46	1060	833	2985
WTE 583 ST	5	8	3	40800	112	47	1060	833	3925
WTE 584 ST	5	8	4	38800	129	47	1060	833	3925
WTE 585 ST	5	8	5	36800	139	47	1060	833	3925
WTE 513 ET	5	1	3	3350	10	32	1060	833	1105
WTE 514 ET	5	1	4	3200	11	32	1060	833	1105
WTE 515 ET	5	1	5	3000	12	32	1060	833	1105
WTE 522 ET	5	2	2	7300	17	35	1060	833	2045
WTE 523 ET	5	2	3	6700	21	35	1060	833	2045
WTE 524 ET	5	2	4	6400	24	35	1060	833	2045
WTE 525 ET	5	2	5	6000	25	35	1060	833	2045
WTE 533 ET	5	3	3	10050	31	37	1060	833	2985
WTE 534 ET	5	3	4	9600	36	37	1060	833	2985
WTE 535 ET	5	3	5	9000	38	37	1060	833	2985
WTE 543 ET	5	4	3	13400	42	38	1060	833	3925
WTE 544 ET	5	4	4	12800	48	38	1060	833	3925
WTE 545 ET	5	4	5	12000	50	38	1060	833	3925
WTE 563 ET	5	6	3	20100	63	40	1060	833	2985
WTE 564 ET	5	6	4	19200	72	40	1060	833	2985
WTE 565 ET	5	6	5	18000	75	40	1060	833	2985
WTE 583 ET	5	8	3	26800	84	41	1060	833	3925
WTE 584 ET	5	8	4	25600	97	41	1060	833	3925
WTE 585 ET	5	8	5	24000	100	41	1060	833	3925
WTE 513 BM	5	1	3	7360	16	45	1060	833	1105
WTE 514 BM	5	1	4	7030	20	45	1060	833	1105
WTE 515 BM	5	1	5	6745	22	45	1060	833	1105
WTE 522 BM	5	5	5	15200	26	48	1060	833	2045
WTE 523 BM	5	2	3	14720	34	48	1060	833	2045
WTE 524 BM	5	2	4	14060	41	48	1060	833	2045
WTE 525 BM	5	2	5	13490	45	48	1060	833	2045
WTE 533 BM	5	3	3	22080	52	50	1060	833	2985

The performance refers to the following conditions:

♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glycol = 34%

## Technical and dimensional data

WTE models	Ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTE 534 BM	5	3	4	21090	61	50	1060	833	2985
WTE 535 BM	5	3	5	20235	67	50	1060	833	2985
WTE 543 BM	5	4	3	29440	69	51	1060	833	3925
WTE 544 BM	5	4	4	28120	80	51	1060	833	3925
WTE 545 BM	5	4	5	26980	92	51	1060	833	3925
WTE 563 BM	5	6	3	44160	104	53	1060	833	2985
WTE 564 BM	5	6	4	42180	122	53	1060	833	2985
WTE 565 BM	5	6	5	40470	135	53	1060	833	2985
WTE 583 BM	5	8	3	58880	137	54	1060	833	3925
WTE 584 BM	5	8	4	56240	160	54	1060	833	3925
WTE 585 BM	5	8	5	53960	185	54	1060	833	3925
WTE 513 SM	5	1	3	5000	13	35	1060	833	1105
WTE 514 SM	5	1	4	4750	15	35	1060	833	1105
WTE 515 SM	5	1	5	4510	17	35	1060	833	1105
WTE 522 SM	5	2	2	10440	21	38	1060	833	2045
WTE 523 SM	5	2	3	10000	27	38	1060	833	2045
WTE 524 SM	5	2	4	9500	31	38	1060	833	2045
WTE 525 SM	5	2	5	9020	34	38	1060	833	2045
WTE 533 SM	5	3	3	15000	40	40	1060	833	2985
WTE 534 SM	5	3	4	14250	47	40	1060	833	2985
WTE 535 SM	5	3	5	15350	51	40	1060	833	2985
WTE 543 SM	5	4	3	20000	55	41	1060	833	3925
WTE 544 SM	5	4	4	19000	65	41	1060	833	3925
WTE 545 SM	5	4	5	18040	68	41	1060	833	3925
WTE 563 SM	5	6	3	30000	80	43	1060	833	2985
WTE 564 SM	5	6	4	28500	95	43	1060	833	2985
WTE 565 SM	5	6	5	27060	102	43	1060	833	2985
WTE 583 SM	5	8	3	40000	111	44	1060	833	3925
WTE 584 SM	5	8	4	38000	127	44	1060	833	3925
WTE 585 SM	5	8	5	36080	136	44	1060	833	3925
WTE 513 EM	5	1	3	3720	11	32	1060	833	1105
WTE 514 EM	5	1	4	3550	12	32	1060	833	1105
WTE 515 EM	5	1	5	3330	13	32	1060	833	1105
WTE 522 EM	5	2	2	8100	18	35	1060	833	2045
WTE 523 EM	5	2	3	7440	22	35	1060	833	2045
WTE 524 EM	5	2	4	7100	25	35	1060	833	2045
WTE 525 EM	5	2	5	6660	27	35	1060	833	2045
WTE 533 EM	5	3	3	11160	34	37	1060	833	2985
WTE 534 EM	5	3	4	10650	38	37	1060	833	2985
WTE 535 EM	5	3	5	9990	41	37	1060	833	2985
WTE 543 EM	5	4	3	14880	45	38	1060	833	3925
WTE 544 EM	5	4	4	14200	51	38	1060	833	3925
WTE 545 EM	5	4	5	13320	55	38	1060	833	3925
WTE 563 EM	5	6	3	22320	68	40	1060	833	2985
WTE 564 EM	5	6	4	21300	76	40	1060	833	2985
WTE 565 EM	5	6	5	19980	82	40	1060	833	2985
WTE 583 EM	5	8	3	29760	90	41	1060	833	3925
WTE 584 EM	5	8	4	28400	102	41	1060	833	3925
WTE 585 EM	5	8	5	26640	109	41	1060	833	3925
WTE 613 BT	6	1	3	9550	23	49	1200	1033	1340
WTE 614 BT	6	1	4	9150	28	49	1200	1033	1340
WTE 615 BT	6	1	5	8700	31	49	1200	1033	1340
WTE 623 BT	6	2	3	19100	48	52	1200	1033	2500
WTE 624 BT	6	5	4	18300	56	52	1200	1033	2500
WTE 625 BT	6	2	5	17400	62	52	1200	1033	2500
WTE 633 BT	6	3	3	28650	74	54	1200	1033	3660
WTE 634 BT	6	3	4	27450	85	54	1200	1033	3660
WTE 635 BT	6	3	5	26100	93	54	1200	1033	3660
WTE 643 BT	6	4	3	38200	98	55	1200	1033	4820
WTE 644 BT	6	4	4	36600	113	55	1200	1033	4820
WTE 645 BT	6	4	5	34800	123	55	1200	1033	4820
WTE 663 BT	6	6	3	57300	147	57	1200	1033	3660
WTE 664 BT	6	6	4	54900	171	57	1200	1033	3660
WTE 665 BT	6	6	5	52200	186	57	1200	1033	3660
WTE 683 BT	6	8	3	76400	195	58	1200	1033	4820
WTE 684 BT	6	8	4	73200	226	58	1200	1033	4820
WTE 685 BT	6	8	5	69600	246	58	1200	1033	4820
WTE 613 ST	6	1	3	6750	19	42	1200	1033	1340
WTE 614 ST	6	1	4	6500	22	42	1200	1033	1340
WTE 615 ST	6	1	5	6200	24	42	1200	1033	1340

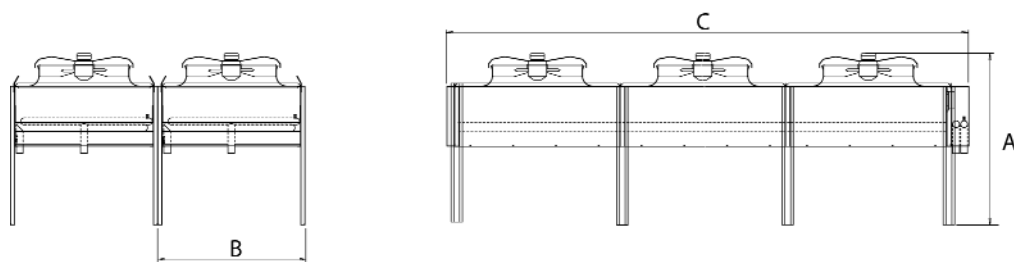
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## Technical and dimensional data

### WTE



WTE models	ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTE 623 ST	6	2	3	13500	38	45	1200	1033	2500
WTE 624 ST	6	2	4	13000	45	45	1200	1033	2500
WTE 625 ST	6	2	5	12400	48	45	1200	1033	2500
WTE 633 ST	6	3	3	20250	58	47	1200	1033	3660
WTE 634 ST	6	3	4	19500	67	47	1200	1033	3660
WTE 635 ST	6	3	5	18600	73	47	1200	1033	3660
WTE 643 ST	6	4	3	27000	77	48	1200	1033	4820
WTE 644 ST	6	4	4	26000	88	48	1200	1033	4820
WTE 645 ST	6	4	5	24800	98	48	1200	1033	4820
WTE 663 ST	6	6	3	40500	116	50	1200	1033	3660
WTE 664 ST	6	6	4	39000	134	50	1200	1033	3660
WTE 665 ST	6	6	5	37200	147	50	1200	1033	3660
WTE 683 ST	6	8	3	54000	154	51	1200	1033	4820
WTE 684 ST	6	8	4	52000	177	51	1200	1033	4820
WTE 685 ST	6	8	5	49600	196	51	1200	1033	4820
WTE 613 ET	6	1	3	4450	14	32	1200	1033	1340
WTE 614 ET	6	1	4	4300	16	32	1200	1033	1340
WTE 615 ET	6	1	5	4050	17	32	1200	1033	1340
WTE 623 ET	6	2	3	8900	29	35	1200	1033	2500
WTE 624 ET	6	2	4	8600	33	35	1200	1033	2500
WTE 625 ET	6	2	5	8100	35	35	1200	1033	2500
WTE 633 ET	6	3	3	13350	44	37	1200	1033	3660
WTE 634 ET	6	3	4	12900	50	37	1200	1033	3660
WTE 635 ET	6	3	5	12150	53	37	1200	1033	3660
WTE 643 ET	6	4	3	17800	59	38	1200	1033	4820
WTE 644 ET	6	4	4	17200	67	38	1200	1033	4820
WTE 645 ET	6	4	5	16200	69	38	1200	1033	4820
WTE 663 ET	6	6	3	26700	89	40	1200	1033	3660
WTE 664 ET	6	6	4	25800	100	40	1200	1033	3660
WTE 665 ET	6	6	5	24300	105	40	1200	1033	3660
WTE 683 ET	6	8	3	35600	118	41	1200	1033	4820
WTE 684 ET	6	8	4	34400	133	41	1200	1033	4820
WTE 685 ET	6	8	5	32400	139	41	1200	1033	4820
WTE 913 BT	9	1	3	20400	47	56	1530	1434	1633
WTE 914 BT	9	1	4	19350	55	56	1530	1434	1633
WTE 916 BT	9	1	6	17700	65	56	1530	1434	1633
WTE 923 BT	9	2	3	40800	96	59	1530	1434	3063
WTE 924 BT	9	2	4	38700	111	59	1530	1434	3063
WTE 926 BT	9	2	6	35400	133	59	1530	1434	3063
WTE 933 BT	9	3	3	61200	144	61	1530	1434	4493
WTE 934 BT	9	3	4	58050	168	61	1530	1434	4493
WTE 936 BT	9	3	6	53100	195	61	1530	1434	4493
WTE 943 BT	9	4	3	81600	191	62	1530	1434	3063
WTE 944 BT	9	4	4	77400	223	62	1530	1434	3063
WTE 946 BT	9	4	6	70800	267	62	1530	1434	3063
WTE 963 BT	9	6	3	122400	289	64	1530	1434	4493
WTE 964 BT	9	6	4	116100	335	64	1530	1434	4493
WTE 966 BT	9	6	6	106200	390	64	1530	1434	4493
WTE 913 ST	9	1	3	15000	39	50	1530	1434	1633
WTE 914 ST	9	1	4	14050	45	50	1530	1434	1633
WTE 916 ST	9	1	6	12900	51	50	1530	1434	1633
WTE 923 ST	9	2	3	30000	78	53	1530	1434	3063
WTE 924 ST	9	2	4	28100	91	53	1530	1434	3063
WTE 926 ST	9	2	6	25800	104	53	1530	1434	3063
WTE 933 ST	9	3	3	45000	118	55	1530	1434	4493
WTE 934 ST	9	3	4	42150	133	55	1530	1434	4493
WTE 936 ST	9	3	6	38700	158	55	1530	1434	4493
WTE 943 ST	9	4	3	60000	156	56	1530	1434	3063
WTE 944 ST	9	4	4	56200	183	56	1530	1434	3063
WTE 946 ST	9	4	6	51600	208	56	1530	1434	3063
WTE 963 ST	9	6	3	90000	235	58	1530	1434	4493

The performance refers to the following conditions:

♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glyvol = 34%

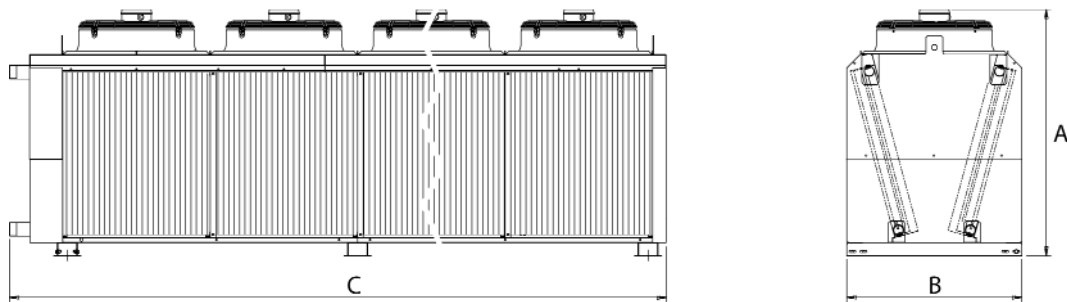
## Technical and dimensional data

WTE models	Ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTE 964 ST	9	6	4	84300	267	58	1530	1434	4493
WTE 966 ST	9	6	6	77400	316	58	1530	1434	4493
WTE 913 ET	9	1	3	9200	28	38	1530	1434	1633
WTE 914 ET	9	1	4	8600	32	38	1530	1434	1633
WTE 916 ET	9	1	6	7800	35	38	1530	1434	1633
WTE 923 ET	9	2	3	18400	57	41	1530	1434	3063
WTE 924 ET	9	2	4	17200	65	41	1530	1434	3063
WTE 926 ET	9	2	6	15600	70	41	1530	1434	3063
WTE 933 ET	9	3	3	27600	87	43	1530	1434	4493
WTE 934 ET	9	3	4	25800	96	43	1530	1434	4493
WTE 936 ET	9	3	6	23400	106	43	1530	1434	4493
WTE 943 ET	9	4	3	36800	115	44	1530	1434	3063
WTE 944 ET	9	4	4	34400	129	44	1530	1434	3063
WTE 946 ET	9	4	6	31200	141	44	1530	1434	3063
WTE 963 ET	9	6	3	55200	174	46	1530	1434	4493
WTE 964 ET	9	6	4	51600	193	46	1530	1434	4493
WTE 966 ET	9	6	6	46800	212	46	1530	1434	4493

The performance refers to the following conditions:

- ♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;
- external air temperature 25 °C;
- difference between condensation temperature T<sub>c</sub> and that of external air: Δt = 15 °C;
- Altitude: 0 metres.

WTS



WTS models	Ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTS 523 BT	5	2	3	15800	46	51	1065	780	1610
WTS 524 BT	5	2	4	15200	51	51	1065	780	1610
WTS 533 BT	5	3	3	23700	69	53	1065	780	2265
WTS 534 BT	5	3	4	22800	77	53	1065	780	2265
WTS 543 BT	5	4	3	31600	92	54	1065	780	2920
WTS 544 BT	5	4	4	30400	103	54	1065	780	2920
WTS 553 BT	5	5	3	39500	115	55	1065	780	3575
WTS 554 BT	5	5	4	38000	128	55	1065	780	3575
WTS 523 ST	5	2	3	10400	38	41	1065	780	1610
WTS 524 ST	5	2	4	10000	41	41	1065	780	1610
WTS 533 ST	5	3	3	15600	57	43	1065	780	2265
WTS 534 ST	5	3	4	15000	62	43	1065	780	2265
WTS 543 ST	5	4	3	20800	76	44	1065	780	2920
WTS 544 ST	5	4	4	20000	82	44	1065	780	2920
WTS 553 ST	5	5	3	26000	95	45	1065	780	3575
WTS 554 ST	5	5	4	25000	103	45	1065	780	3575
WTS 523 ET	5	2	3	6800	27	34	1065	780	1610
WTS 524 ET	5	2	4	6500	29	34	1065	780	1610
WTS 533 ET	5	3	3	10200	41	36	1065	780	2265
WTS 534 ET	5	3	4	9750	44	36	1065	780	2265
WTS 543 ET	5	4	3	13600	54	37	1065	780	2920
WTS 544 ET	5	4	4	13000	58	37	1065	780	2920
WTS 553 ET	5	5	3	17000	66	38	1065	780	3575
WTS 554 ET	5	5	4	16250	71	38	1065	780	3575

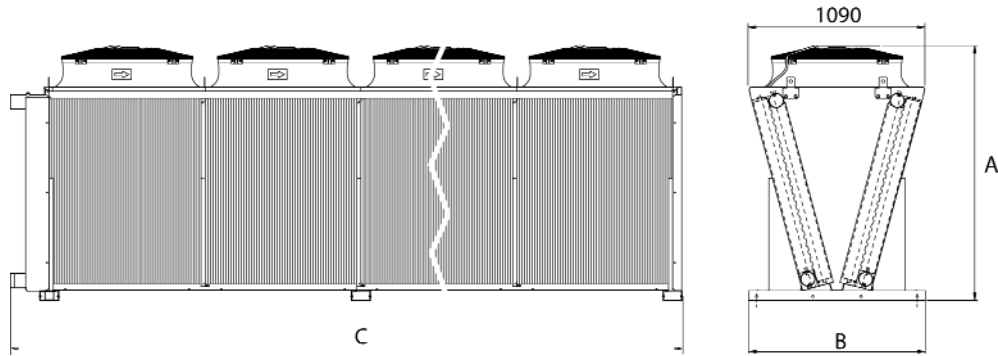
The performance refers to the following conditions:

- ♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;
- T<sub>a</sub> = 25 °C
- T<sub>wi</sub> = 40 °C
- T<sub>wo</sub> = 35 °C
- Glycol = 34%



## Technical and dimensional data

### WTR



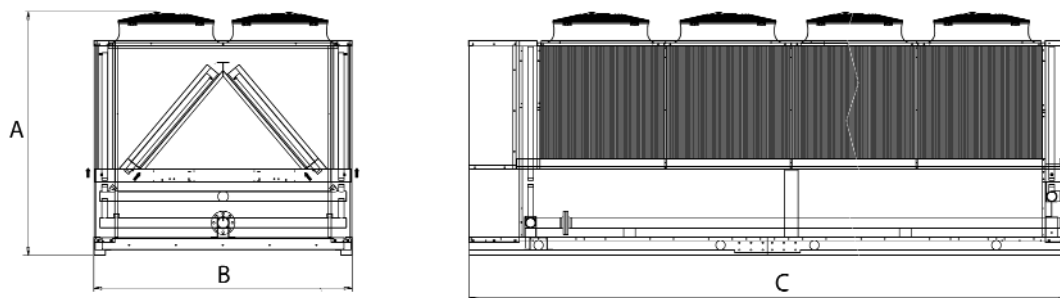
WTR models	ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTR 823 BT	8	2	3	46000	131	51	1590	1100	2270
WTR 824 BT	8	2	4	45000	150	51	1590	1100	2270
WTR 833 BT	8	3	3	70000	204	53	1590	1100	3210
WTR 834 BT	8	3	4	66000	229	53	1590	1100	3210
WTR 843 BT	8	4	3	92000	275	54	1590	1100	4180
WTR 844 BT	8	4	4	88500	307	54	1590	1100	4180
WTR 853 BT	8	5	3	114000	338	55	1590	1100	5150
WTR 854 BT	8	5	4	112000	390	55	1590	1100	5150
WTR 823 ST	8	2	3	34000	112	43	1590	1100	2270
WTR 824 ST	8	2	4	32000	122	43	1590	1100	2270
WTR 833 ST	8	3	3	50500	167	45	1590	1100	3210
WTR 834 ST	8	3	4	48000	183	45	1590	1100	3210
WTR 843 ST	8	4	3	67000	223	46	1590	1100	4180
WTR 844 ST	8	4	4	63000	240	46	1590	1100	4180
WTR 853 ST	8	5	3	83500	279	47	1590	1100	5150
WTR 854 ST	8	5	4	80000	298	47	1590	1100	5150
WTR 823 ET	8	2	3	21100	79	33	1590	1100	2270
WTR 833 ET	8	3	3	31750	121	35	1590	1100	3210
WTR 843 ET	8	4	3	42300	162	36	1590	1100	4180
WTR 853 ET	8	5	3	52900	203	37	1590	1100	5150

The performance refers to the following conditions:

- ♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glyvol = 34%

### WTA



WTA models	ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTA 843 BT	8	4	3	84000	283	54	2090	2200	3250
WTA 844 BT	8	4	4	82000	314	54	2090	2200	3250
WTA 863 BT	8	6	3	122000	391	56	2090	2200	3850
WTA 864 BT	8	6	4	112000	422	56	2090	2200	3850
WTA 883 BT	8	8	3	165000	525	57	2090	2200	5100
WTA 884 BT	8	8	4	153000	569	57	2090	2200	5100
WTA 8103 BT	8	10	3	205000	674	58	2090	2200	8100
WTA 8104 BT	8	10	4	190000	736	58	2090	2200	8100
WTA 8123 BT	8	12	3	242000	782	59	2090	2200	8700
WTA 8124 BT	8	12	4	222000	844	59	2090	2200	8700
WTA 8143 BT	8	14	3	282000	916	59	2090	2200	9950
WTA 8144 BT	8	14	4	258000	991	59	2090	2200	9950
WTA 8163 BT	8	16	3	324000	1050	60	2090	2200	11200
WTA 8164 BT	8	16	4	296000	1138	60	2090	2200	11200

The performance refers to the following conditions:

- ♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glyvol = 34%

## Technical and dimensional data

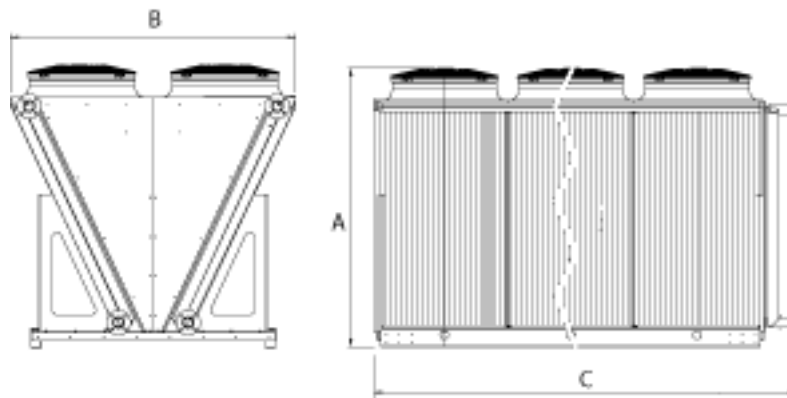
WTA models	Ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WTA 843 ST	8	4	3	62000	220	46	2090	2200	3250
WTA 844 ST	8	4	4	60000	236	46	2090	2200	3250
WTA 863 ST	8	6	3	87000	297	48	2090	2200	3850
WTA 864 ST	8	6	4	82000	316	48	2090	2200	3850
WTA 883 ST	8	8	3	116000	398	49	2090	2200	5100
WTA 884 ST	8	8	4	110000	424	49	2090	2200	5100
WTA 8103 ST	8	10	3	147000	517	50	2090	2200	8100
WTA 8104 ST	8	10	4	142000	551	50	2090	2200	8100
WTA 8123 ST	8	12	3	170000	593	51	2090	2200	8700
WTA 8124 ST	8	12	4	162000	632	51	2090	2200	8700
WTA 8143 ST	8	14	3	202000	694	51	2090	2200	9950
WTA 8144 ST	8	14	4	187000	739	51	2090	2200	9950
WTA 8163 ST	8	16	3	230000	796	52	2090	2200	11200
WTA 8164 ST	8	16	4	215000	847	52	2090	2200	11200
WTA 843 ET	8	4	6	37400	159	36	2090	2200	3250
WTA 863 ET	8	6	3	52500	218	38	2090	2200	3850
WTA 883 ET	8	8	3	70300	292	39	2090	2200	5100
WTA 8103 ET	8	10	3	89900	377	40	2090	2200	8100
WTA 8123 ET	8	12	3	105100	436	41	2090	2200	8700
WTA 8143 ET	8	14	3	122800	510	41	2090	2200	9950
WTA 8163 ET	8	16	3	140600	584	42	2090	2200	11200

The performance refers to the following conditions:

- ♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glyvol = 34%

### WDR



WDR models	Ø Fans [dm]	Fans [n°]	Rows [n°]	Air flow rate [m <sup>3</sup> /h]	Power [kW]	Sound level dB(A)	Dimensions [mm]		
							A	B	C
WDR 843 BT	8	4	3	77100	232	54	2150	1850	2270
WDR 844 BT	8	4	4	70400	254	54	2150	1850	2270
WDR 863 BT	8	6	3	115700	349	56	2150	1850	3240
WDR 864 BT	8	6	4	105500	381	56	2150	1850	3240
WDR 883 BT	8	8	3	154200	467	57	2150	1850	4210
WDR 884 BT	8	8	4	140700	508	57	2150	1850	4210
WDR 8103 BT	8	10	3	192800	583	58	2150	1850	5180
WDR 8104 BT	8	10	4	176000	635	58	2150	1850	5180
WDR 843 ST	8	4	3	55000	188	46	2150	1850	2270
WDR 844 ST	8	4	4	50000	203	46	2150	1850	2270
WDR 863 ST	8	6	3	82000	286	48	2150	1850	3240
WDR 864 ST	8	6	4	74500	301	48	2150	1850	3240
WDR 883 ST	8	8	3	110000	384	49	2150	1850	4210
WDR 884 ST	8	8	4	99000	405	49	2150	1850	4210
WDR 8103 ST	8	10	3	136000	476	50	2150	1850	5180
WDR 8104 ST	8	10	4	125000	507	50	2150	1850	5180
WDR 843 ET	8	4	3	33350	137	36	2150	1850	2270
WDR 863 ET	8	6	3	49900	206	38	2150	1850	3240
WDR 883 ET	8	8	3	66600	274	39	2150	1850	4210
WDR 8103 ET	8	10	3	83250	343	40	2150	1850	5180

The performance refers to the following conditions:

- ♪ Sound pressure measured in free field at a distance of 10m and directionality factor = 2;

- Ta = 25°C
- Twi = 40 °C
- Two = 35 °C
- Glyvol = 34%