



CJTHT/REV

**400°C/2h acoustic smoke evacuation units.
Reversible, two-speed**

Construction characteristics

- Ventilation boxes with thermal and acoustic insulation, LGAI certified for smoke extraction at 400°C/2h, according to European standard EN-12101-3.
- THT series fans LGAI certified for smoke extraction at 400°C/2h according to European standard EN-12101-3.
- Telescopic, bi-directional fixed sheet grille, adaptable for different wall thicknesses. Easy to install.
- Safety guard to avoid hand contact, in compliance with DIN-24167.
- 50 Hz three-phase motors, with IP-55 protection certified by LGAI or CTICM. TWO speed with DHALANDER type winding.
- On request:
 - ONE or TWO speed motors for temperatures of 200°C/2h.
 - Safety switch standardised to 200°C/2h, IAT-200 series, built into the box.



Technical characteristics

| Model | Velocity (r/min) | Max. admissible current (A) 400V | Installed power (kW) | Max. airflow (m3/h) | Sound level pressure dB(A) | Approx. weight Kg. |
|-------------------------|---------------------|--|----------------------------|---------------------------|----------------------------------|-----------------------|
| CJTHT/REV-56-4/8T-1,5 | 1440 / 710 | 2,90 / 1,40 | 1,10 / 0,25 | 14000 / 7000 | 71 / 56 | 70,8 |
| CJTHT/REV-63-4/8T-1,5 | 1440 / 710 | 2,90 / 1,40 | 1,10 / 0,25 | 17000 / 8500 | 71 / 56 | 75,2 |
| CJTHT/REV-63-4/8T-2 | 1415 / 715 | 3,60 / 1,50 | 1,50 / 0,30 | 18900 / 9450 | 72 / 57 | 87,4 |
| CJTHT/REV-63-4/8T-3 | 1415 / 715 | 5,20 / 1,90 | 2,20 / 0,45 | 22000 / 11000 | 73 / 58 | 93,4 |
| CJTHT/REV-71-4/8T-2 | 1415 / 715 | 3,60 / 1,50 | 1,50 / 0,30 | 21000 / 10500 | 76 / 61 | 106,3 |
| CJTHT/REV-71-4/8T-3 | 1415 / 715 | 5,20 / 1,90 | 2,20 / 0,45 | 24000 / 12000 | 78 / 63 | 112,3 |
| CJTHT/REV-71-4/8T-4 | 1425 / 710 | 6,80 / 2,20 | 3,00 / 0,60 | 29400 / 14700 | 79 / 64 | 122,5 |
| CJTHT/REV-80-4/8T-4 | 1425 / 710 | 6,80 / 2,20 | 3,00 / 0,60 | 37000 / 18500 | 80 / 65 | 130,2 |
| CJTHT/REV-80-4/8T-5,5 | 1455 / 725 | 9,30 / 3,40 | 4,00 / 0,80 | 40500 / 20250 | 81 / 66 | 157,5 |
| CJTHT/REV-90-4/8T-5,5 | 1455 / 725 | 9,30 / 3,40 | 4,00 / 0,80 | 46500 / 23250 | 86 / 71 | 182,1 |
| CJTHT/REV-90-4/8T-7,5 | 1455 / 725 | 12,80 / 4,60 | 5,50 / 1,10 | 51000 / 25500 | 88 / 73 | 187,1 |
| CJTHT/REV-90-4/8T-9 | 1455 / 725 | 15,60 / 6,30 | 6,70 / 1,50 | 54700 / 27350 | 89 / 74 | 187,1 |
| CJTHT/REV-90-6/12T-3 | 975 / 450 | 6,30 / 2,20 | 2,20 / 0,37 | 38800 / 19400 | 76 / 61 | 189,1 |
| CJTHT/REV-90-6/12T-4 | 975 / 450 | 8,40 / 2,50 | 3,00 / 0,40 | 42400 / 21200 | 77 / 62 | 189,1 |
| CJTHT/REV-100-4/8T-7,5 | 1455 / 725 | 12,80 / 4,60 | 5,50 / 1,10 | 54000 / 27000 | 89 / 74 | 197,1 |
| CJTHT/REV-100-4/8T-9 | 1455 / 725 | 15,60 / 6,30 | 6,70 / 1,50 | 59000 / 29500 | 90 / 75 | 197,1 |
| CJTHT/REV-100-4/8T-14 | 1455 / 730 | 20,00 / 7,00 | 10,00 / 2,00 | 64000 / 32000 | 91 / 76 | 220,7 |
| CJTHT/REV-100-6/12T-3 | 975 / 450 | 6,30 / 2,20 | 2,20 / 0,37 | 43000 / 21500 | 80 / 65 | 199,1 |
| CJTHT/REV-100-6/12T-4 | 975 / 450 | 8,40 / 2,50 | 3,00 / 0,40 | 47000 / 23500 | 81 / 66 | 199,1 |
| CJTHT/REV-100-6/12T-5,5 | 975 / 450 | 10,50 / 5,00 | 4,00 / 0,80 | 53000 / 26500 | 82 / 67 | 222,7 |

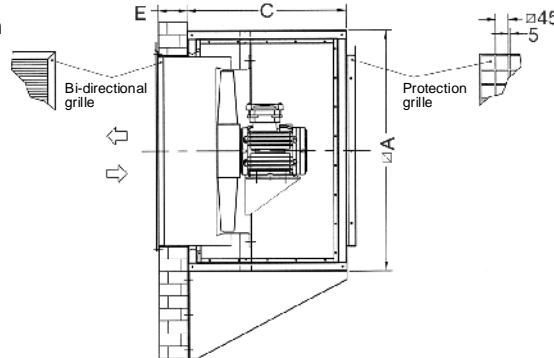
Acoustic characteristics

The values shown are calculated using free-field sound pressure levels in dB (A), at a distance equivalent to twice the fan span plus the impeller diameter, with a minimum of 1.5 m.

Sound power spectrum Lw(A) in dB(A) by frequency band in Hz.

| Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | Model | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
|----------|----|-----|-----|-----|------|------|------|------|------------|----|-----|-----|-----|------|------|------|------|
| 56-4 | 46 | 66 | 74 | 79 | 81 | 78 | 71 | 60 | 90-4-9 | 67 | 88 | 95 | 100 | 103 | 99 | 92 | 81 |
| 56-8 | 31 | 51 | 59 | 64 | 66 | 63 | 56 | 45 | 90-6-3 | 54 | 75 | 82 | 87 | 90 | 86 | 79 | 68 |
| 63-4-1,5 | 48 | 68 | 76 | 81 | 83 | 80 | 73 | 62 | 90-6-4 | 55 | 76 | 83 | 88 | 91 | 87 | 80 | 69 |
| 63-4-2 | 49 | 69 | 77 | 82 | 84 | 81 | 74 | 63 | 90-8-5,5 | 49 | 70 | 77 | 82 | 85 | 81 | 74 | 63 |
| 63-4-3 | 50 | 70 | 78 | 83 | 85 | 82 | 75 | 64 | 90-8-7,5 | 51 | 72 | 79 | 84 | 87 | 83 | 76 | 65 |
| 63-8-1,5 | 33 | 53 | 61 | 66 | 68 | 65 | 58 | 47 | 90-8-9 | 52 | 73 | 80 | 85 | 88 | 84 | 77 | 66 |
| 63-8-2 | 34 | 54 | 62 | 67 | 69 | 66 | 59 | 48 | 90-12-3 | 39 | 60 | 67 | 72 | 75 | 71 | 64 | 53 |
| 63-8-3 | 35 | 55 | 63 | 68 | 70 | 67 | 60 | 49 | 90-12-4 | 40 | 61 | 68 | 73 | 76 | 72 | 65 | 54 |
| 71-4-2 | 53 | 73 | 81 | 86 | 88 | 85 | 78 | 67 | 100-4-7,5 | 69 | 89 | 97 | 102 | 104 | 101 | 94 | 83 |
| 71-4-3 | 55 | 75 | 83 | 88 | 90 | 87 | 80 | 69 | 100-4-9 | 70 | 90 | 98 | 103 | 105 | 102 | 95 | 84 |
| 71-4-4 | 56 | 76 | 84 | 89 | 91 | 88 | 81 | 70 | 100-4-14 | 71 | 91 | 99 | 104 | 106 | 103 | 96 | 85 |
| 71-8-2 | 38 | 58 | 66 | 71 | 73 | 70 | 63 | 52 | 100-6-3 | 60 | 80 | 88 | 93 | 95 | 92 | 85 | 74 |
| 71-8-3 | 40 | 60 | 68 | 73 | 75 | 72 | 65 | 54 | 100-6-4 | 61 | 81 | 89 | 94 | 96 | 93 | 86 | 75 |
| 71-8-4 | 41 | 61 | 69 | 74 | 76 | 73 | 66 | 55 | 100-6-5,5 | 62 | 82 | 90 | 95 | 97 | 94 | 87 | 76 |
| 80-4-4 | 57 | 77 | 85 | 90 | 92 | 89 | 82 | 71 | 100-8-7,5 | 54 | 74 | 82 | 87 | 89 | 86 | 79 | 68 |
| 80-4-5,5 | 58 | 78 | 86 | 91 | 93 | 90 | 83 | 72 | 100-8-9 | 55 | 75 | 83 | 88 | 90 | 87 | 80 | 69 |
| 80-8-4 | 42 | 62 | 70 | 75 | 77 | 74 | 67 | 56 | 100-8-14 | 56 | 76 | 84 | 89 | 91 | 88 | 81 | 70 |
| 80-8-5,5 | 43 | 63 | 71 | 76 | 78 | 75 | 68 | 57 | 100-12-3 | 45 | 65 | 73 | 78 | 80 | 77 | 70 | 59 |
| 90-4-5,5 | 64 | 85 | 92 | 97 | 100 | 96 | 89 | 78 | 100-12-4 | 46 | 66 | 74 | 79 | 81 | 78 | 71 | 60 |
| 90-4-7,5 | 66 | 87 | 94 | 99 | 102 | 98 | 91 | 80 | 100-12-5,5 | 47 | 67 | 75 | 80 | 82 | 79 | 72 | 61 |

Dimensions mm



| Model | ∅A | C | E min. | E max. |
|--------------|------|-----|--------|--------|
| CJTHT-56/63 | 825 | 550 | 40 | 250 |
| CJTHT-71/80 | 1000 | 650 | 40 | 280 |
| CJTHT-90/100 | 1200 | 750 | 40 | 300 |





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Characteristics Curves

Q = Airflow in m³/h. and m³/s.
 Pe = Static pressure in mm.c.a. and Pa.

