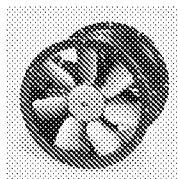




# TCBBX2/TCBTX2

5605764700 - TCBBX2/4-450 (230V50HZ) V5 - CYLINDRICAL CASED AXIAL FLOW FANS



Cased axial fan. Casing manufactured from galvanised sheet steel. Fitted with 2 contrarotating fan assemblies with aluminium blades. Single phase - IP65 - F motor with thermal protector and terminal box with capacitor out of the air stream. Brand S&P model TCBBX2/4-450 (230V50HZ) V5.

## Theoretical Working Point

|                 |           |
|-----------------|-----------|
| Airflow         | -         |
| Static Pressure | 0,000 Pa  |
| Temperature     | 20 °C     |
| Altitude        | 0 m       |
| Density         | 1,2 kg/m³ |
| Frequency       | 50 Hz     |

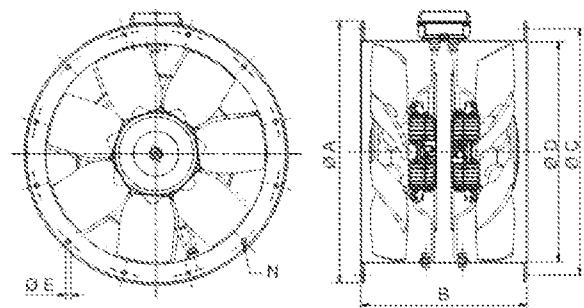
## Construction

|                    |          |
|--------------------|----------|
| Discharge diameter | 450 mm   |
| Fan size           | 450      |
| Blades             | 7        |
| Weight             | 42,00 kg |

## Motor Characteristics

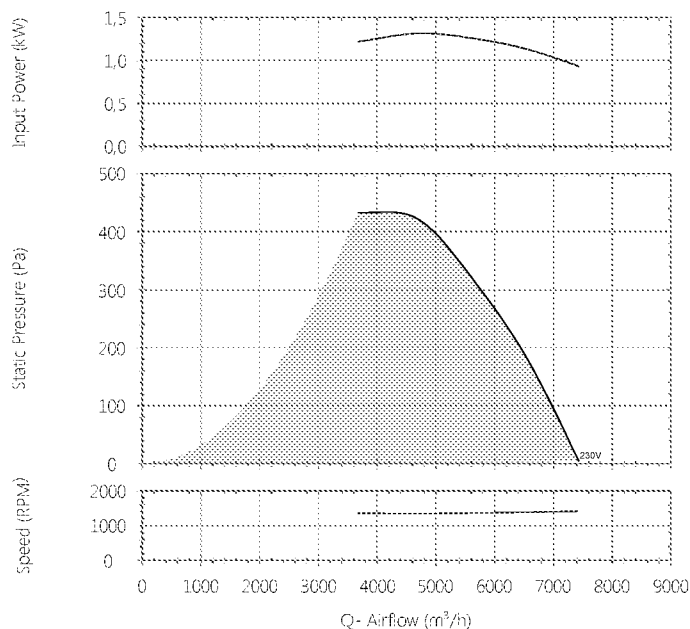
|                          |             |
|--------------------------|-------------|
| Number of poles          | 4           |
| Voltage                  | 1-230V-50Hz |
| Maximum absorbed current | 5,7 A       |
| IP Rating                | IP65        |
| Motor insulation class   | F           |

## Drawing



| A   | B   | C   | D   | E  | N |
|-----|-----|-----|-----|----|---|
| 537 | 375 | 500 | 450 | 12 | 8 |

## Performance Chart



## Sound Performance

|                 | 63 | 125 | 250 | 500 | 1k | 2k | 4k | 8k | Overall |
|-----------------|----|-----|-----|-----|----|----|----|----|---------|
| Inlet (LwA)     | 46 | 73  | 85  | 82  | 85 | 79 | 72 | 64 | 90      |
| Inlet LpA @ 1m  | 35 | 62  | 74  | 71  | 74 | 68 | 61 | 53 | 79      |
| Outlet (LwA)    | 63 | 75  | 86  | 85  | 87 | 82 | 74 | 67 | 92      |
| Outlet LpA @ 1m | 52 | 64  | 75  | 74  | 76 | 71 | 63 | 56 | 81      |



Q=1



## TCBBX2/TCBTX2

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### ErP Data

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| Maximum efficiency (%)                       | 41.9                                |
| Installation type                            | C                                   |
| Category efficiency                          | Static                              |
| N                                            | N47,5                               |
| Variable speed drive                         | +                                   |
| Year of manufacture                          | Product Rating Plate                |
| Manufacturer's Info                          | S&P                                 |
| Product code                                 | 5605764700                          |
| Input power at optimum efficiency point (kW) | 1,316                               |
| Airflow at optimum efficiency point (m3/h)   | 4,842                               |
| Pressure at optimum efficiency point (Pa)    | 411                                 |
| Speed at optimum efficiency point            | 1349                                |
| Specific Ratio                               | 1                                   |
| Recycling/disposal                           | Instruction Manual                  |
| Maintenance                                  | Instruction Manual                  |
| Additional components                        | Catalogue and according to ISO 5801 |