



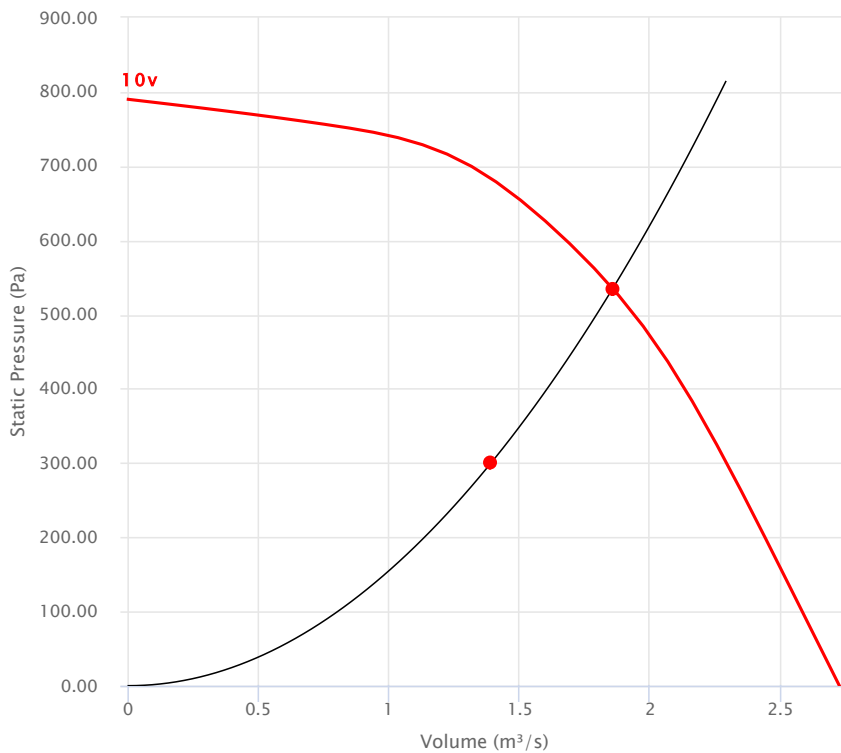
Project Name:
 Client: Engineer:
 Quote Number: Date: 11/02/2021
 Item Reference: Item Quantity: 1

GBD EC 500 B (CENT) GigaBox centrifugal box fan EC technology



Acoustic ventilation box with intake and extract spigots, with flexible connectors to reduce vibration transmission and variable applicable side panels to suit to structural conditions. Simple positioning by standard crane hooks. self-supporting frame construction made from hollow aluminium profiles. Lined with 20 mm thick double-walled side panels made from galvanised sheet steel, sound and thermally insulated with flame-retardant mineral wool. Free-running backward curved centrifugal impeller from aluminium, direct driven. Energy efficient with low noise development. Dynamically balanced with the motor to DIN ISO 1940 Pt.1 - class 6.3 Energy-saving, speed controllable EC-external rotor motor with highest efficiency, protection to IP 54. With ball bearings, maintenance-free and interference-free. Integrated electronic temperature monitoring for EC motor and electronics. Stepless speed control with potentiometer or stepless speed control with universal control system EUR-EC. Electrical connection via standard terminal box (IP 54), which is mounted with a permanently attached cable.

Performance Chart



Product

| | |
|-----------------------|---------------------|
| Ref.No. | 5813 |
| Model Code | GBD EC 500 B (CENT) |
| Fan Size | 500 mm |
| Maximum airflow temp. | 50 °C |
| Weight | 79.0 kg |

Performance

| | |
|--------------------|-----------------------------|
| Requested Duty | 1.39 m³/s @ 300 Pa (Static) |
| Actual Duty | 1.86 m³/s @ 535 Pa (Static) |
| Fan Nominal Speed | 1500 rpm |
| Specific Fan Power | 0.66 W/l/s |
| Output Power | 1.95 kW |

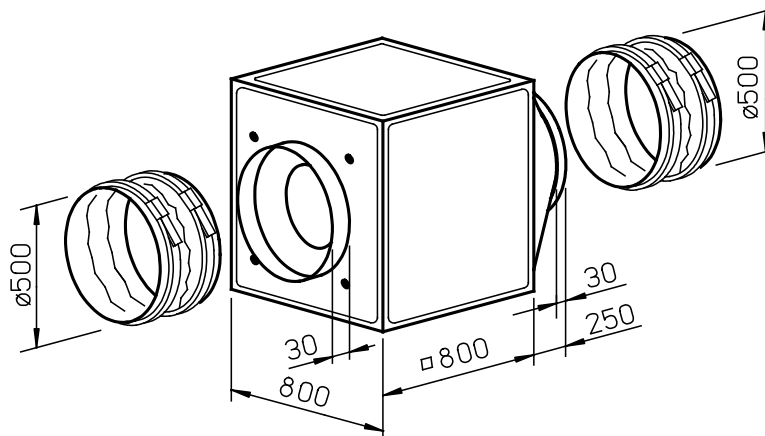
Motor

| | |
|-------------------|---------------|
| Rating | 1.95 kW |
| Motor Input Power | 1.90 kWh |
| Electrical Supply | 400v/3Ph/50Hz |
| Full Load Current | 3.1 A |

Sound

| Sound Pressure Level | 40 dB(A) at 3m | | | | | | | | |
|----------------------|----------------|-------|-----|-----|-----|----|----|----|----|
| Spectrum | Hz | Total | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
| LwA Intake | dB(A) | 73 | 52 | 64 | 66 | 68 | 67 | 62 | 55 |
| LwA Extract | dB(A) | 76 | 56 | 67 | 70 | 71 | 69 | 65 | 58 |
| LwA Breakout | dB(A) | 61 | 50 | 59 | 52 | 51 | 47 | 44 | 37 |

Dimension and Drawing



*This drawing shows dimensions that should be used as a guide only and are subject to change. Certified drawings are available on request.