

Required working point

| | | | |
|---------------------|------------|-----|------|
| Flow | Q | 600 | m³/h |
| Pressure | Δp | 613 | Pa |
| Ambient temperature | t_{MED} | 20 | °C |

Operating point

| | | | | |
|--------------------------------|------------------|------|------|--------|
| Flow | Q | 600 | 600 | m³/h |
| Static pressure | Δp_{ST} | 613 | 613 | Pa |
| Dynamic pressure | Δp_D | 21 | 21 | Pa |
| Total pressure | Δp_{TOT} | 634 | 634 | Pa |
| Absorbed power | P_{ABS} | 226 | 226 | W |
| Current | I_{ABS} | 1.6 | 1.6 | A |
| Instantaneous Rotational Speed | n | 4515 | 4515 | rpm |
| Speed | v | 5.88 | 5.88 | m/s |
| Static efficiency | η_{ST} | 45.2 | 45.2 | % |
| Total efficiency | η_{TOT} | 46.7 | 46.7 | % |
| SFP | SFP | 1357 | 1358 | W/m³/s |
| Regulation | | - | - | EC |

| Sound power level | 63Hz | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz | Σ |
|---------------------|------|-------|-------|-------|------|------|------|------|----------|
| inlet - L_{WA5} | 67 | 77 | 84 | 92 | 92 | 86 | 81 | 74 | 96 |
| outlet - L_{WA6} | 47 | 67 | 79 | 89 | 91 | 85 | 81 | 73 | 94 |
| emitted - L_{WA2} | 47 | 67 | 79 | 89 | 91 | 85 | 81 | 73 | 94 |

| Sound pressure level | 63Hz | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz | Σ |
|----------------------|------|-------|-------|-------|------|------|------|------|----------|
| inlet - L_{PA5} | 53 | 63 | 70 | 78 | 78 | 72 | 67 | 60 | 82 |
| outlet - L_{PA6} | 33 | 53 | 65 | 75 | 77 | 71 | 67 | 59 | 80 |
| emitted - L_{PA2} | 33 | 53 | 65 | 75 | 77 | 71 | 67 | 59 | 80 |

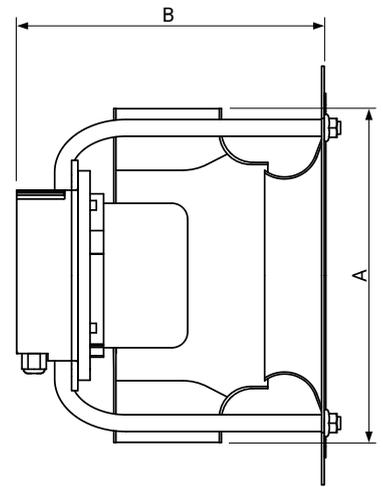
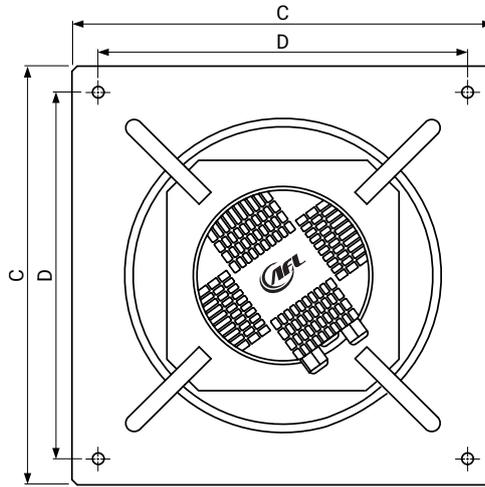
Sound pressure level calculated from the parameters
distance from the fan 3m, slope coefficient Q: 2, sound wave interference, equivalent absorption area 200m² Sabine

Nominal parameters

| | | | |
|-------------------------------------|------------------|------|------|
| Maximum Airflow Volume | Q_{MAX} | 950 | m³/h |
| Maximum Static Pressure | Δp_{MAX} | 936 | Pa |
| Nominal power | P_{NOM} | 180 | W |
| Nominal Rotational Speed | n | 4500 | rpm |
| Nominal current | I_{NOM} | 1.4 | A |
| Nominal voltage | U_{NOM} | 230 | V |
| Number of phases | ~ | 1 | |
| Nominal frequency | f_{NOM} | 50 | Hz |
| Diameter | \varnothing | 190 | mm |
| Unit weight | m | 2.1 | kg |
| Maximum Achievable Rotational Speed | n_{MAX} | 4500 | rpm |
| Maximum power consumption | P_{MAX} | 224 | W |
| Minimum operating temperature | t_{OPmin} | -25 | °C |
| Maximum operating temperature | t_{OPmax} | 60 | °C |
| Number of Motor Poles | pole | - | x |
| Motor type | | | EC |
| Type of motor control | | | EC |
| Motor insulation class | | | B |
| Motor protection class | | | IP44 |



Dimensions [mm]



| A | B | C | D |
|-----|-------|-----|-----|
| 190 | 140,5 | 225 | 187 |