

## VORTICE LINEO 315 QUIET (17166)

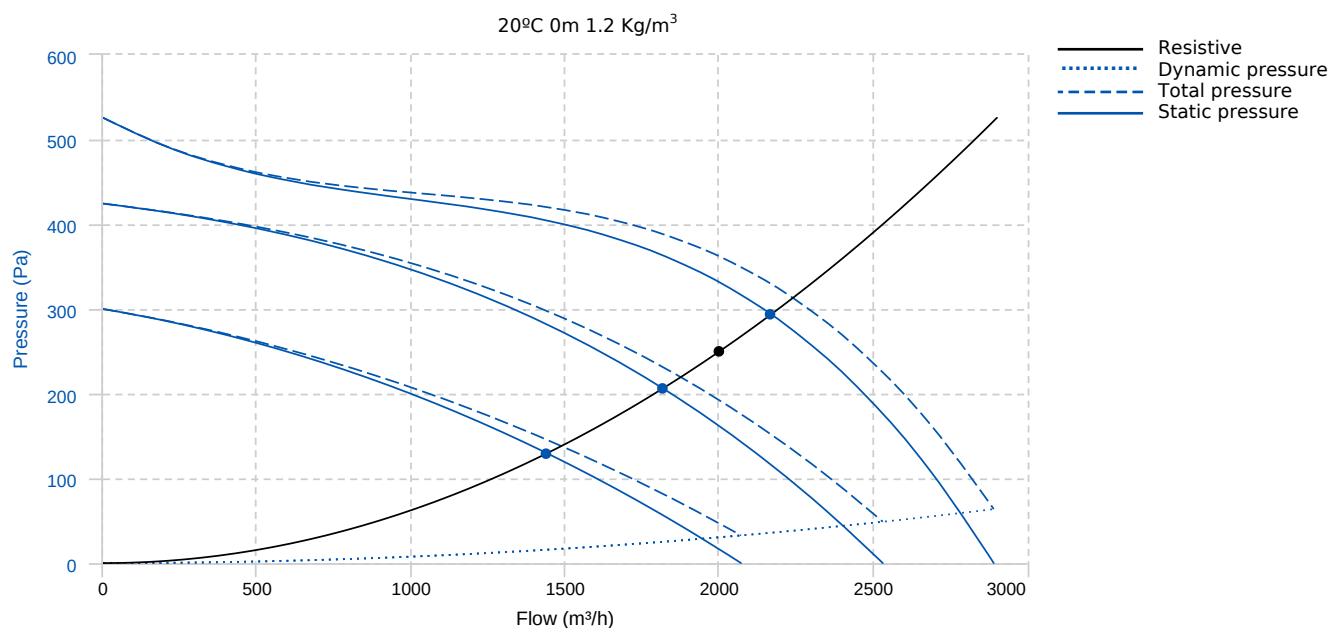
### GENERAL DATA



#### Sound-proof mixed flow extractor fans

Fire resistant plastic resin construction, class E2, according to ISO EN 11925-2:2010, in the areas facing the motor and electrical components.  
Integral sound-absorbing casing, optimised to minimise the sound emissions radiated into the room and transmitted through the intake and discharge ducts.  
Thermally protected induction motor with shaft mounted on ball bearings, combined with a helical-centrifugal impeller. High degree of water resistance: IPX5 (when installed in a duct).  
Speed controllable by Vortice controllers.

### PERFORMANCE CURVE



#### Design point

Flow (m³/h)

2000

Pressure (Pa)

250

### Service point

|            | max     | med     | min     |                          | max   | med   | min   |
|------------|---------|---------|---------|--------------------------|-------|-------|-------|
| T.max (°C) | 50      | 50      | 50      | Speed (m/s)              | 7.73  | 6.48  | 5.14  |
| Q (m³/h)   | 2167.36 | 1816.39 | 1440.38 | Fan total efficiency     | 47.65 | 38.95 | 26.83 |
| Ps (Pa)    | 293.59  | 206.2   | 129.67  | Pabs (kW)<br>1.2 kg/m³   | 0.41  | 0.3   | 0.22  |
| Pd (Pa)    | 35.83   | 25.17   | 15.83   | SFP (W/l/s)<br>1.2 kg/m³ | 0.68  | 0.59  | 0.54  |
| Pt (Pa)    | 329.43  | 231.37  | 145.5   |                          |       |       |       |

### TECHNICAL DATA

### Fan

|                |         |           |           |
|----------------|---------|-----------|-----------|
| Approx. weight | 28.3 kg | Max. Flow | 2890 m³/h |
|----------------|---------|-----------|-----------|

### ACOUSTIC DATA (INLET)



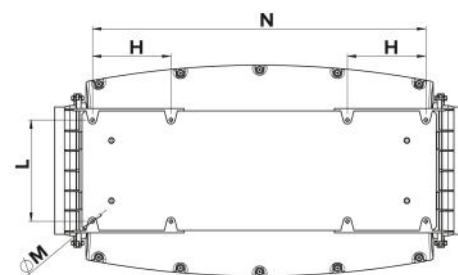
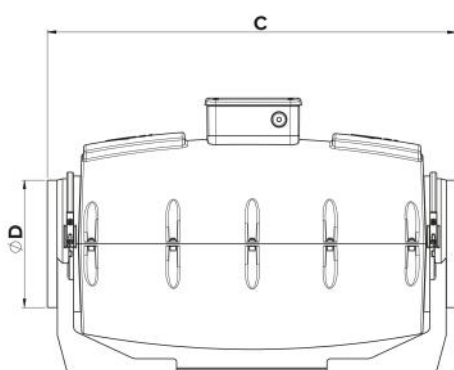
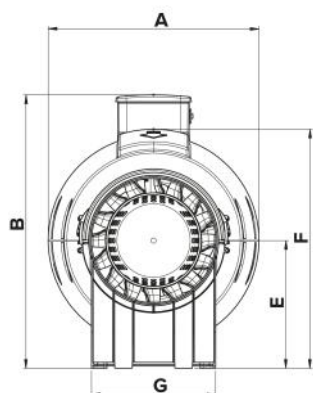
### Sound power

|         | max | med | min |
|---------|-----|-----|-----|
| 125 Hz  | 60  | 58  | 54  |
| 250 Hz  | 64  | 61  | 57  |
| 500 Hz  | 69  | 67  | 63  |
| 1000 Hz | 71  | 66  | 65  |
| 2000 Hz | 59  | 65  | 66  |
| 4000 Hz | 69  | 66  | 62  |
| 8000 Hz | 64  | 60  | 52  |
| TOTAL   | 76  | 73  | 69  |

### Sound pressure 3m Q=2

|         | max | med | min |
|---------|-----|-----|-----|
| 125 Hz  | 42  | 40  | 37  |
| 250 Hz  | 46  | 44  | 40  |
| 500 Hz  | 51  | 49  | 46  |
| 1000 Hz | 53  | 49  | 47  |
| 2000 Hz | 42  | 48  | 48  |
| 4000 Hz | 51  | 49  | 45  |
| 8000 Hz | 46  | 42  | 35  |
| TOTAL   | 58  | 56  | 52  |

## DIMENSIONS



### Dimensions (mm)

|    |       |   |       |   |     |   |     |    |     |
|----|-------|---|-------|---|-----|---|-----|----|-----|
| A  | 415.5 | B | 496.5 | C | 940 | E | 244 | F  | 441 |
| G  | 309   | H | 110   | L | 255 | N | 780 | ØD | 307 |
| ØM | 8.5   |   |       |   |     |   |     |    |     |

## WIRING DIAGRAM

FOR ELECTRICAL SCHEMES  
PLEASE SEE THE USER MANUAL

## ACCESSORIES



**SENSOR  
C TEMP (temperature sensor)**  
REF: 12992



**SENSOR  
C SMOKE (smoke sensor)**  
REF: 12993



**SENSOR  
C HCS (humidity sensor)**  
REF: 12994



**SENSOR  
C PIR (passive infrared sensor)**  
REF: 12998



**SENSOR  
C TIMER**  
REF: 12999



**Controller  
C 2.5 (electronic speed controller)**  
REF: 12967



**Controller**  
**TRIO LINEO 503**  
**REF: 12891**