

VORTICE LINEO 100 QUIET (17160)

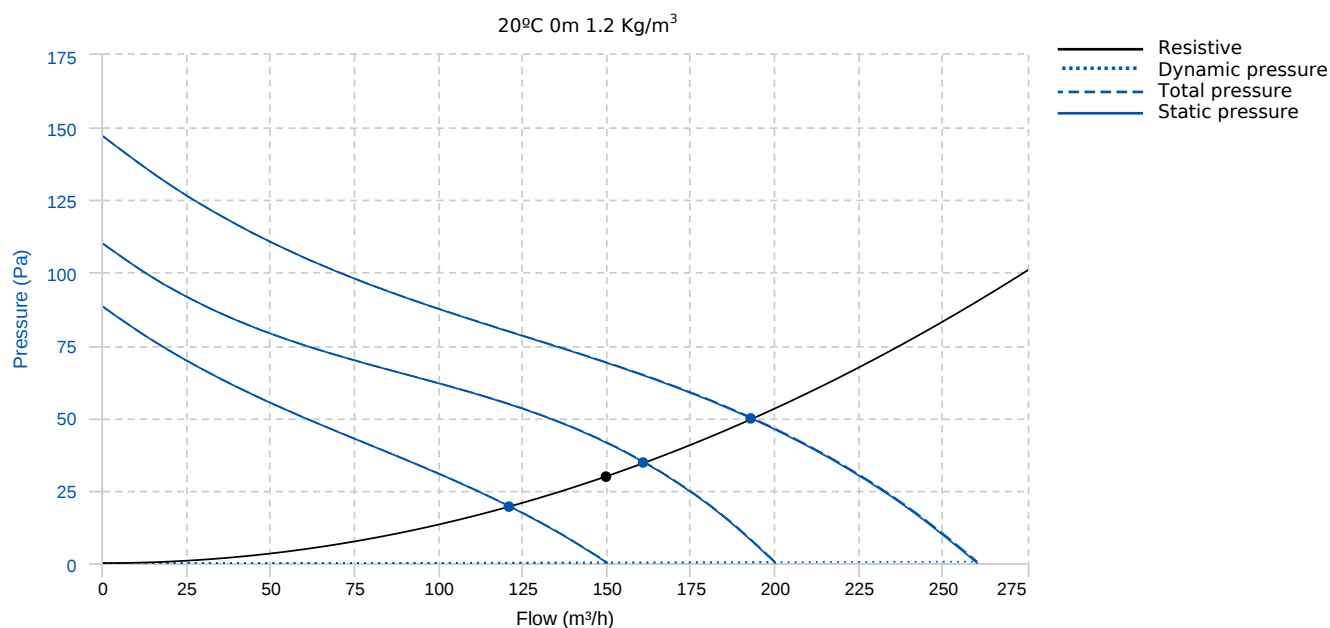
GENERAL DATA



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)	150	Pressure (Pa)	30
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Service point

	med	min	max		med	min	max
T.max (°C)	45	45	45	Speed (m/s)	0.57	0.43	0.68
Q (m³/h)	161.01	120.88	193.04	Fan total efficiency	6.26	5.79	9.7
Ps (Pa)	34.56	19.48	49.68	Pabs (kW) 1.2 kg/m³	0.02	0.01	0.03
Pd (Pa)	0.19	0.11	0.28	SFP (W/l/s) 1.2 kg/m³	0.53	0.33	0.5
Pt (Pa)	34.76	19.59	49.96				

TECHNICAL DATA

Fan

Approx. weight	3.8 kg	Max. Flow	260 m³/h
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ACOUSTIC DATA (INLET)



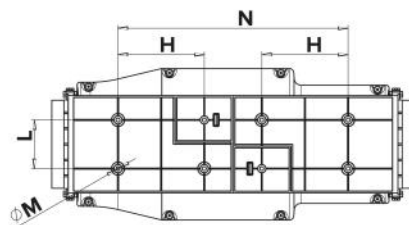
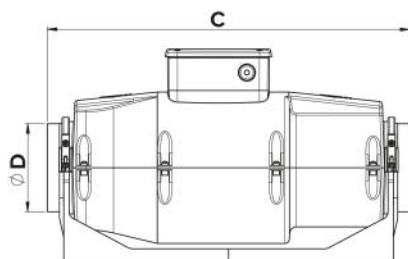
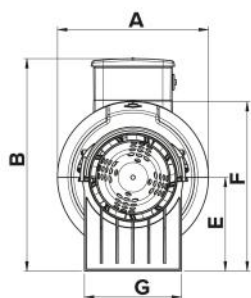
Sound power

	med	min	max
125 Hz	35	34	42
250 Hz	45	36	48
500 Hz	43	34	48
1000 Hz	38	28	43
2000 Hz	38	29	45
4000 Hz	28	20	35
8000 Hz	24	22	30
TOTAL	48	40	53

Sound pressure 3m Q=2

	med	min	max
125 Hz	17	17	24
250 Hz	28	18	31
500 Hz	25	16	30
1000 Hz	20	11	26
2000 Hz	20	11	27
4000 Hz	11	2	18
8000 Hz	6	4	13
TOTAL	31	23	35

DIMENSIONS



Dimensions (mm)

A	210	B	294.5	C	639	E	130	F	235
G	135	H	120	L	67.5	N	320	ØD	97
ØM	5.5								

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 1.5 (electronic speed controller)
REF: 12966



Controller
C 5 0,5 (5 speed controller)
REF: 12987



Controller
TRIO LINEO 503
REF: 12891