



TD-SILENT

5212316700 - TD-2000/315 SILENT 3VEL. (230V50/60HZ) N8 - IN-LINE DUCT FANS



Low profile "Mixed-flow" fans with soundabsorbent insulation. Extremely quiet. Constructed from sheet steel with epoxy polyester paint, acoustic insulation (MO) glass fibre, within outer shell. Aerodynamic inlet to improve airflow and reduce sound. Detachable fan unit without demounting duct connections. IP44. External terminal box IP55. Removeable fan body with three-speed motor, single phase 230V-50/60Hz speed controlable, Class F, external rotor aluminium motor with capacitor and thermal protection.

Additional information

The models offer solutions to ventilation problems, especially in places where people work and low sound level is required.

Brand S&P model TD-2000/315 SILENT 3VEL. (230V50/60HZ) N8 for an airflow 0,466 m³/s and static pressure 50 Pa.

Theoretical Working Point

Airflow	0,466 m ³ /s
Static Pressure	50 Pa
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m ³
Frequency	50 Hz

Working Point

Airflow	0,466 m ³ /s
Static Pressure	50 Pa
Dynamic pressure	21,5 Pa
Total Pressure	71 Pa
Input power	0,241 kW
Outlet speed	6 m/s
Fan speed	2637 rpm
Specific Fan Power	0,52 W/l/s

Construction

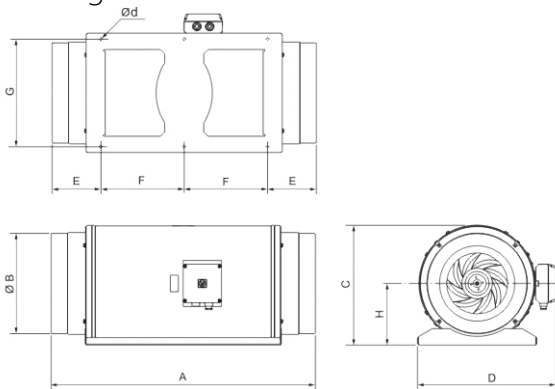
Discharge diameter	315 mm
Fan size	250
Weight	25,00 kg

Motor Characteristics

Number of poles	2
Voltage	1-230V-50Hz
Maximum absorbed current	1,3 A
IP Rating	IP44
Motor insulation class	F

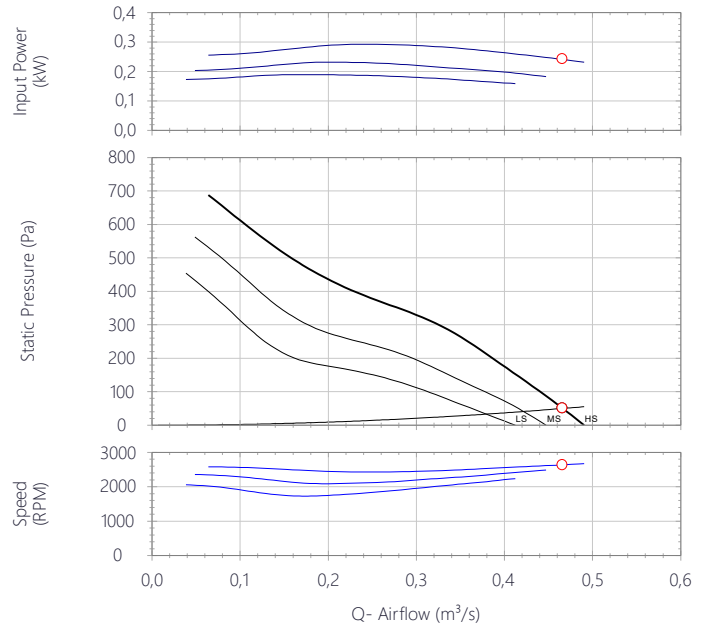
Warning

Drawing



A	B	C	D	E	F	G	H
825	312	373	432	152	260	335	192

Performance Chart



Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
Inlet (LwA)	37	56	64	63	63	62	58	52	70
Inlet LpA @ 1,5m	22	41	49	48	49	48	44	38	55
Outlet (LwA)	36	61	68	71	68	62	49	46	74
Outlet LpA @ 1,5m	21	46	53	56	53	47	34	31	60
Breakout (LwA)	26	44	48	50	54	52	48	40	58
Breakout LpA @ 1,5m	11	29	33	35	39	37	33	25	44



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ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	TD-2000/315 SILENT 3VEL. (230V50/60HZ) N8
Manufacturer's Info	S&P
Identifier	-
Typology	NRVU unidirectional
Drive	3-speed
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	0,32
Pelec (kW)	0,29
SFPint (W/m3/s)	NA
Face velocity (m/s)	4
$\Delta p_{s,ext}$ (Pa)	313,1
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	34,5
External leakage rate (%)	0,3
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	58
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