



# TD-SILENT

5211366400 - TD-500/150-160 SILENT T 3V (220-240V 50/60) N8 - IN-LINE DUCT FANS



Low profile "Mixed-flow" fans with sound-absorbent insulation. Extremely quiet Certified of Approval Noise Abatement Society. Manufactured in plastic material, with a specifically designed internal skin to direct the sound waves at the right angle for them to be captured by the sound-absorbent material. Fitted with rubber gaskets on the inlet and outlet to absorb vibrations, a body that can be dismantled. Connection box can be rotated 360°, to facilitate easy connection of the power cable.

### Motors

Speed controllable 230V-50Hz motor, of three-speed motors. IP44. Motors are class B, with ball bearings and safety thermal overload 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-500/150-160 SILENT T 3V (220-240V 50/60) N8.

## Theoretical Working Point

Airflow	-
Static Pressure	0,000 N/m <sup>2</sup>
Temperature	20 °C
Altitude	0 m
Density	1,2 kg/m <sup>3</sup>
Frequency	50 Hz

## Construction

Discharge diameter	150 mm
Fan size	150
Weight	5,40 kg

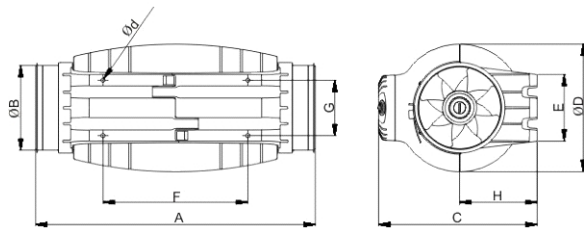
## Motor Characteristics

Number of poles	2
Voltage	1-230V-50Hz
Maximum absorbed current	0,3 A
IP Rating	IP44
Motor insulation class	B

## Working Point

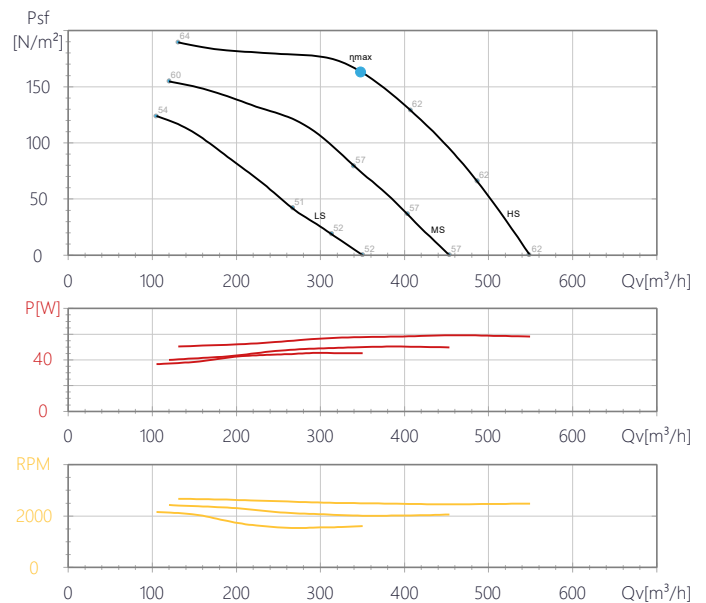
Fan speed	2480
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## Drawing



A	B	C	D	E	F	G	H	d
484	147	274	221	116	250	96	134	5.4

## Performance Chart





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## Sound Performance

	63	125	250	500	1k	2k	4k	8k	Overall
<b>Inlet (LwA)</b>	25	35	49	59	56	54	48	41	62
<b>Inlet LpA @ 1m</b>	14	24	38	48	45	43	37	30	51
<b>Outlet (LwA)</b>	38	38	56	59	58	54	49	43	63
<b>Outlet LpA @ 1m</b>	27	27	45	48	47	43	38	32	52
<b>Surrounding (LwA)</b>	18	28	38	40	40	37	29	24	45
<b>Surrounding LpA @ 1m</b>	7	17	27	29	29	26	18	13	34





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## ErP Data

Ecodesign	
Commission regulation (EU) N°1253/2014 of July 2014	
Information requirements (Annex V)	
Product description	TD-500/150-160 SILENT T 3V (220-240V 50/60) N8
Manufacturer's Info	S&P
Identifier	-
Typology	NRVU unidirectional
Drive	3-speed
Type of HRC	None
Thermal efficiency (%)	NA
Qnom (m3/s)	0,1
Pelec (kW)	0,06
SFPint (W/m3/s)	NA
Face velocity (m/s)	5,79
$\Delta p_{s,ext}$ (Pa)	162,6
$\Delta p_{s,int}$ (Pa)	NA
$\Delta p_{s,add}$ (Pa)	NA
Static efficiency fans (%)	27,3
External leakage rate (%)	3
Internal leakage rate (%)	NA
Filter performance	NA
Filter warning	NA
LWA dB(A)	45
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