

W W C

WOOD WASTE CONTROL (ENG) LIMITED

www.WOODWASTECONTROL.co.uk

Wood Waste Control (Eng.) Limited

Units 2 & 3 Soho Mill Industrial Estate

Wooburn Green, High Wycombe

Buckinghamshire, HP10 0PF

Tel: 01628 525290 Fax: 01628 810218

Email: info@woodwastecontrol.co.uk

Item 1 - Ref : Temp 1

28/04/2020

Gas Properties :

Barom Pressure : 406.78 ins wg
Operating Temp : 20 Deg.C.
Humidity : 38 %
Specific Gravity : 1.0
Inlet Density : 1.2 Kg/m3

Duty Required :

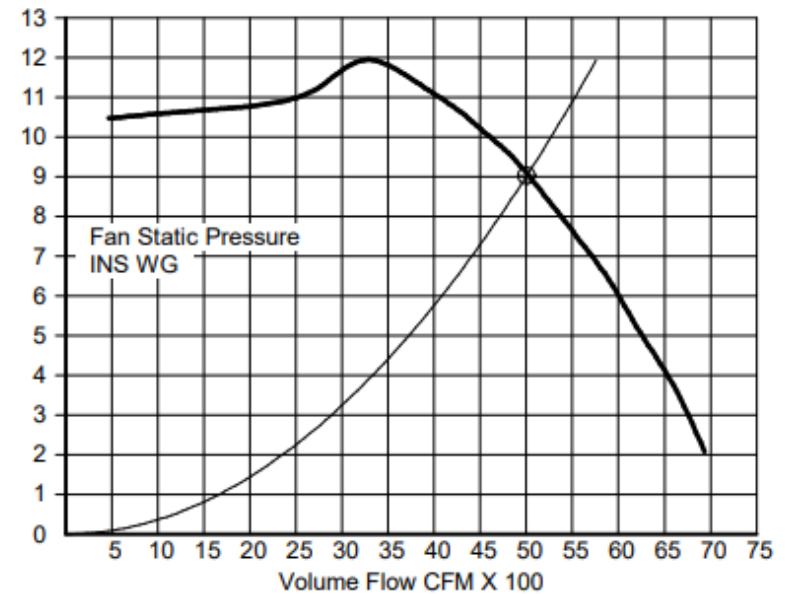
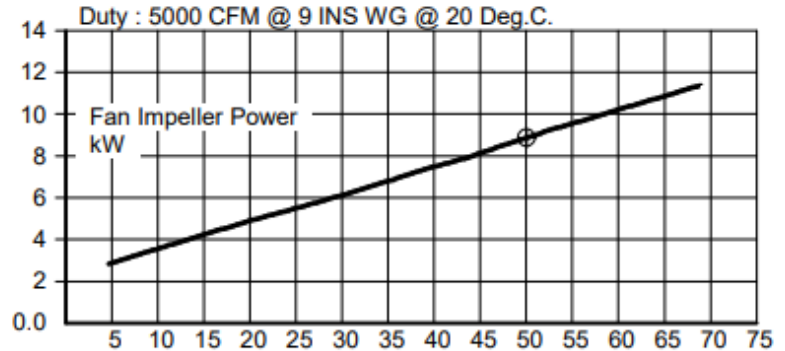
Inlet Volume Flow : 5000 cfm
Fan Static Pressure:
Inlet Pressure : -0 ins wg
Outlet Pressure : 9 ins wg

Fan Selected :

SWSI-RT152-440/100-95
Speed : 2930 Rpm
Impeller Ø : 440 mm
Fan Class : 2

Fan Shaft Power :

@ 20 Deg C : 8.87 kW
@ Duty Temp : 8.87 kW
Tip Speed : 67.5 m/s
Inlet Velocity : 19.8 m/s
Outlet Velocity : 19.3 m/s
Temp Rise : 3.1 Deg.C.



Prog V410.18

Noise Details :

	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
Internal SWL dB	105	102	107	105	103	99	93	84	112
Free Inlet SPL dBA	55	68	84	91	92	89	83	72	96
Free Outlet SPL dBA	55	68	84	91	92	89	83	72	96
Outside Casing dBA	57	63	72	76	77	74	68	55	81

Motor noise is NOT included in the figures above.

Sound Pressure levels (SPL) assume Free Field Hemispherical Radiation at 1 metre(s)

Breakout at 1 metre from 3 mm thick casing (inside Near Field range).

Casing levels assume the inlet / outlet are ducted and noise does not breakout through duct.

All values are averages. Free Inlet assumes that outlet is ducted and vice versa.