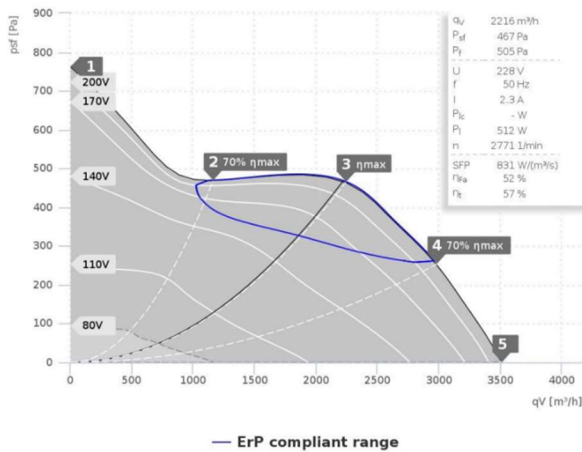


## Ref. Megan's Kitchen Extract Systems

### Mechanical -

All mechanical items are located within the kitchens to illuminate external noises. Our extractor fans are installed close the canopy hood itself. See below fan used –



- Diagonal impeller with stator
- Galvanized metal housing
- Speed controllable
- Integrated thermostatic switch
- Including mounting bracket

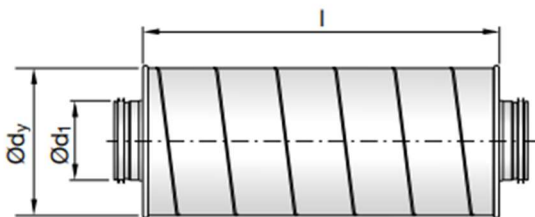
	Operating Point	Operating Point				
		1	2	3	4	5
Current I	A	2.1	1.7	2.3	2.3	2.1
Power consumption P <sub>1</sub>	W	465	385	515	527	476
RPM n	1/min	2801	2850	2776	2772	2809
SPL inlet L <sub>WA5</sub>	dB(A)	84	80	76	78	81
SPL outlet L <sub>WA6</sub>	dB(A)	88	84	81	83	85
SPL casing break out L <sub>WA2</sub>	dB(A)	68	66	61	61	63

Sound power (L <sub>W</sub> ) dB(A)		Medium Frequency Band								
		Σ	63	125	250	500	1k	2k	4k	8k
Inlet	L <sub>WA5</sub>	76	-	48	64	69	70	70	69	66
Outlet	L <sub>WA6</sub>	81	-	50	70	75	77	75	71	65
Casing	L <sub>WA2</sub>	61	-	46	50	52	56	54	53	46

### Attenuation –

Prior to termination we, as standard, install a silencer to further reduce any noises. Where applicable additional silencers can be installed.

#### Dimensions and sound data for silencer with 100 mm insulation.



Ød <sub>y</sub> [nom]	l [nom]	Insertion loss [dB] for centre frequency [Hz]								Ød <sub>y</sub> [mm]	l [mm]	m [kg]
		63	125	250	500	1k	2k	4k	8k			
315	600	2	5	9	14	12	6	4	5	510	600	12,0

### Grease Baffle Filters –

Within our canopy hood we have multiple baffle filters to remove grease from the extracted air.

- High Quality Stainless Steel With Handles & Drain Holes for Easy Maintenance
- Specially Designed Baffle Blades For Superior Performance & Efficiency

- Curved Blades Allow Correct Airflow & Maximum Grease Trapping



#### **Odour Control –**

Within the extract ductwork we install a CFI In-line 3000 - Carbon Filter, this filter is designed to remove all odour from the extracted air.

- Easy to maintain in between ducting material, due to his double flange connection and addition housing
- Directly connectable to extract systems. For capturing gasses directly from the semi-closed airstream.
- In case harmful gasses occur. The carbon filters will not be exposed during replacement.



#### **Ductwork –**

In most cases we run square ductwork internally and circular ductwork (spiral) externally.

- Square ductwork – 400mm x 100mm, access panels as appropriate
- Spiral – 300mm
- Termination will be taken away from the building as appropriate

**Maintenance –**

Throughout the duct runs there are multiple access hatches, this is for the routine extract cleans to ensure the ductwork stays clean and free from contamination.