

CADR	232 cfm / 394 m ³ h		
dBA	41.6 - 35.0 (ambient) = 40.5		
Dimensions	19 1/2" x 19 1/2" x 11 1/2" 495 mm x 495 mm x 296 mm		
Est total cost	\$130.89		

Purpose of this build was to use all 5 fans in the P14 5-pack and to go as low-cost as possible with fans + power supply. PWM PST version more expensive but they daisy chain, one less connector to purchase & assembly is easier.

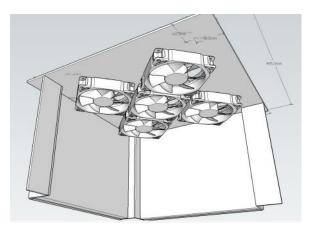


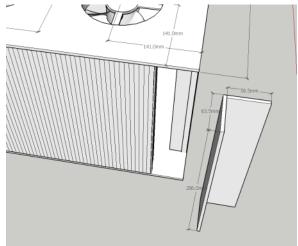
Bill of Materials

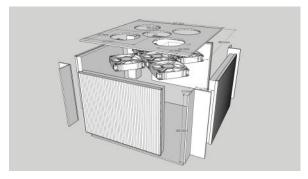
- 5-pack Arctic P14 PWM PST (\$45.99)
- 4 Ikea Starkvind filters (\$60)
- Coolerguys 12V fan power supply (\$8)
- 2 sheets 3/16" thick 20" x 30" foam board (\$6.80)
- About 5 mini sticks of Hot glue (\$0.52)
- 20x 45mm M4 bolts (\$6.66)
- 20x M4 nuts (\$1.22)
- 20x M4 washers (\$1.70)

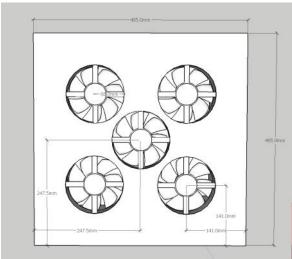
Total: \$130.89

Drawings with important measurements:



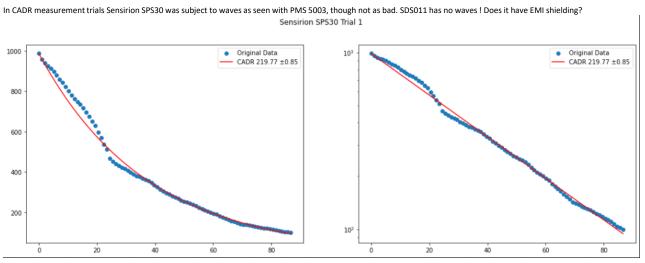




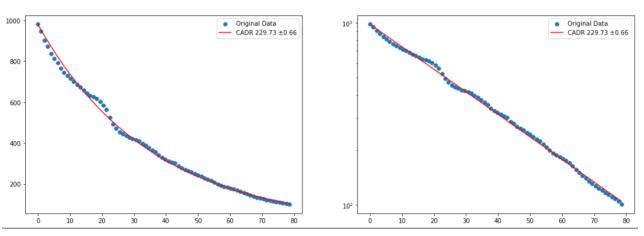


CADR measurement details for those interested

5 Arctic P14 4 Starkvind					
	CADR (cfm / m³h)				
Sensor	Trial 1	Trial 2	Trial 3	Average	
SDS011	234.18 / 397.87	230.47 / 391.57	231.71 / 393.67	232.12 / 394.37	
Sensirion SPS30	219.77 / 373.39	229.73 / 390.31	227.13 / 385.89	225.54 / 383.20	



Sensirion SPS30 Trial 2



SDS011 Trial 1

