

Performance test report - 3 Phase supply.

Test location: DACS A/S, Denmark

Tested By:

Jens Dybdahl

Project Number: PTR3-M+32/750/260617-F	Orifice diameter: 1440 mm	Motor make: DACS OEM	Shutter type: Butterfly damper
Fan Make: DACS A/S	Discharge diameter: 1793 mm	Motor model: 3002009HO	Shutter material: plastic
Fan Model: MagFan+	Cone depth: 1000 mm	Shaft power: 2.2 kW	# Doors: 2
Blade diameter: MagFan+	Overall depth: 1502 mm	RPM: Var. 160-750 RPM	# Columns: -
Blade number: 3	Install size WxH 1606x1606 mm	Voltage: 3x230VAC	Door length: -
Blade material: composite	Body material: plastic	Amps: 3x6.7 A @ 230V	Location: discharge
Blade pitch: 32 deg.	Guard, intake: stainless wire 70x40 mm rectang.	Duty class (S.F.) S1, Continuous duty	Test standard: ISO 5801
Tip clearance: 6 mm	Guard, discharge: stainless wire 140 mm concentric	Phase: 3	Report type: Final

Notes: DACS PM frequency drive model MagDrive 2000 three phase 360-440VAC 5A continuous duty

230VAC butterfly damper lock (blow open)

3 phase 400V 50Hz input to frequency drive

	Date (start)	time (start)	1.7 Chamber static p	80.8 Total Airflow	82.0 RPM	81.1 3-Phase V	81.3 3-Phase Amp	82.2 Total P	82.3 Specific consumption
25 Pa_0.1"	26-06-2017	09:17:57	-25,8 Pa	71595 m3/h	750	385 V	3,47 A	2061 W	28,8 Wh/1000m3
30 Pa	26-06-2017	09:20:27	-30,1 Pa	70453 m3/h	750	385 V	3,57 A	2123 W	30,1 Wh/1000m3
35 Pa*	26-06-2017	09:22:47	-34,5 Pa	69265 m3/h	750	385 V	3,68 A	2188 W	31,6 Wh/1000m3
37,5 Pa_0.15"	26-06-2017	09:25:12	-36,7 Pa	68661 m3/h	750	385 V	3,73 A	2222 W	32,4 Wh/1000m3
40 Pa	26-06-2017	09:27:17	-39,9 Pa	67777 m3/h	750	386 V	3,78 A	2258 W	33,3 Wh/1000m3
45 Pa	26-06-2017	09:31:47	-45,0 Pa	66564 m3/h	750	387 V	3,89 A	2327 W	35,0 Wh/1000m3
50 Pa_0.2"	26-06-2017	09:34:17	-49,1 Pa	65198 m3/h	750	387 V	3,98 A	2377 W	36,5 Wh/1000m3
55 Pa	26-06-2017	09:37:17	-54,8 Pa	63803 m3/h	750	387 V	4,06 A	2431 W	38,1 Wh/1000m3

*) Samples per value: 20	Barometric pressure, start (mBar):	997,6	Chamber air density, start (kg/m3)	1,189
*) Sampling interval: 5 seconds	Ambient temperature, start (°C)	20,3	Chamber temperature, start (°C)	20,8
	Ambient RH, start (%)	59,2	Chamber RH, start (%)	58,0

