

Centrifugal fans type DA ERP 2015

Double inlet centrifugal fan

Application

- The fans of the **DA** series are suitable for ventilation, conditioning, heating. They can treat clean air with maximum temperature of 60°C

Composition

- Casing in galvanized sheet steel
- Direct drive double inlet forward curved impeller
- Motor with overheat protection – Insulation class F – Protection IP44
- Supply: 230Vac 1ph or 400Vac 3ph
- Suitable for speed regulation

Motor

Erp 2015 compliant

Accessories

- Auto transformer type **TSC** or **TSCTK**
- Frequency converter 230V in / 3x230V out **FIS-13**
- Frequency converter 3x400V in / 3x400V out **FIS-44**

Order example

DA 9-9-4P 300 + TSC-1-40

DA 9-9-4P 300 = ventilator

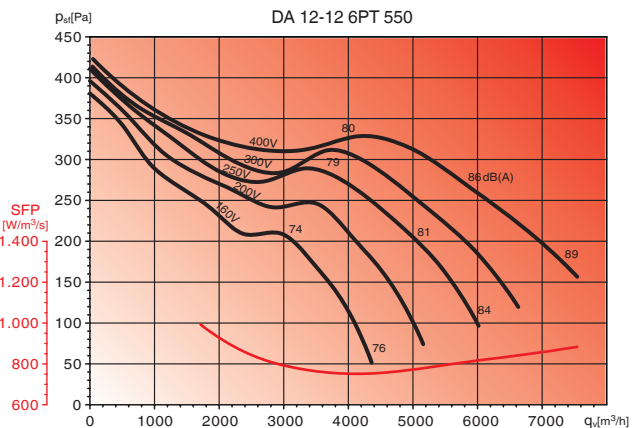
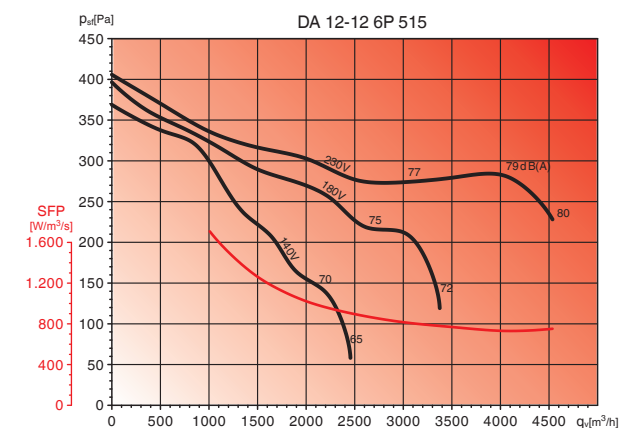
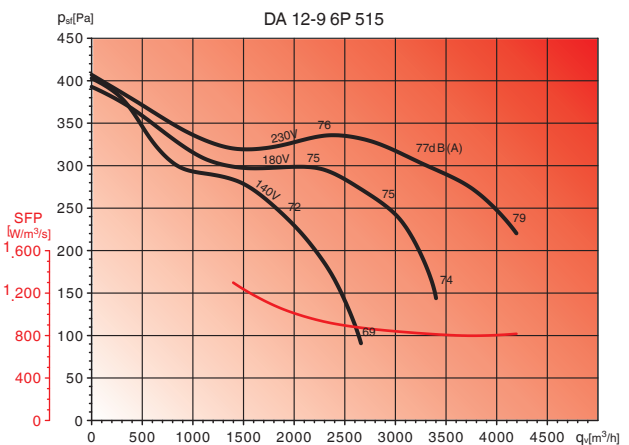
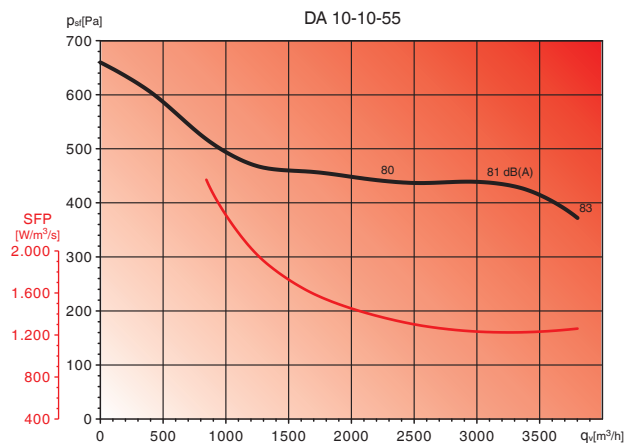
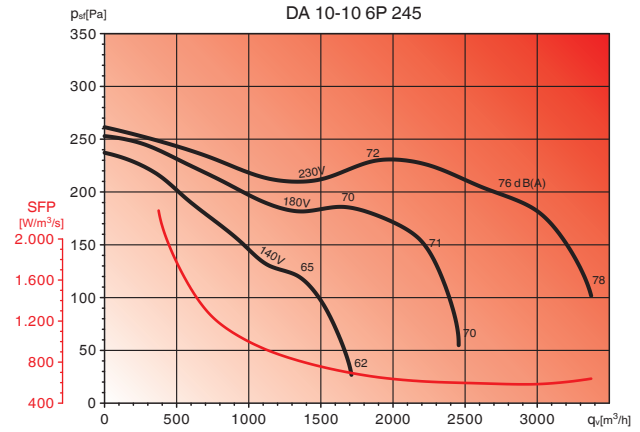
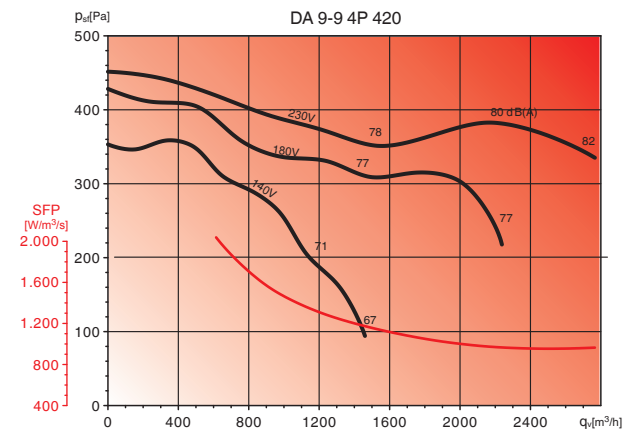
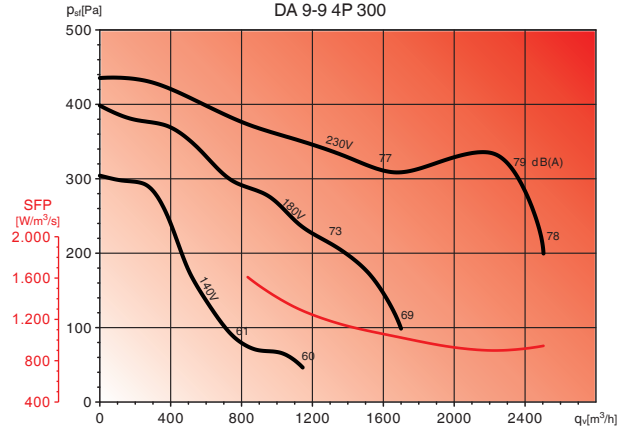
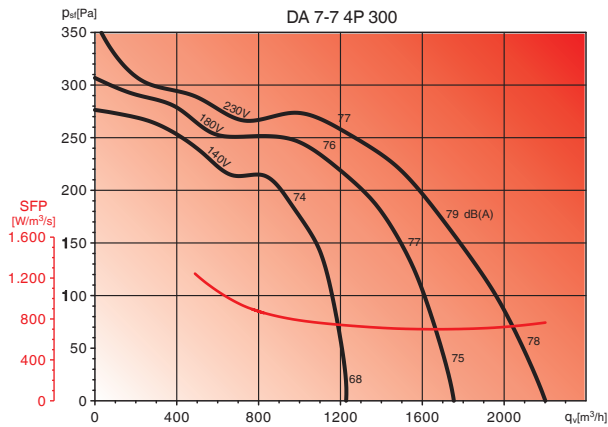
TSC-1-40 = speed controller

	Air performance data						
	50 Pa	100 Pa	150 Pa	200 Pa	250 Pa	300 Pa	400 Pa
DA 7-7-4P 300	2100	1950	1800	1600	1266	300	-
DA 9-9-4P 300	-	-	-	2500	2450	2350	600
DA 9-9-4P 420	-	-	-	-	-	-	800
DA 10-10-6P 245	-	3350	3200	2700	300	-	-
DA 10-10-55	-	-	-	-	-	3700	3300
DA 12-9-6P 515	-	-	-	-	-	3250	150
DA 12-12-6P 515	-	-	-	-	-	2050	100
DA 12-12-6PT 550	-	-	-	6900	6200	5300	400

Attention

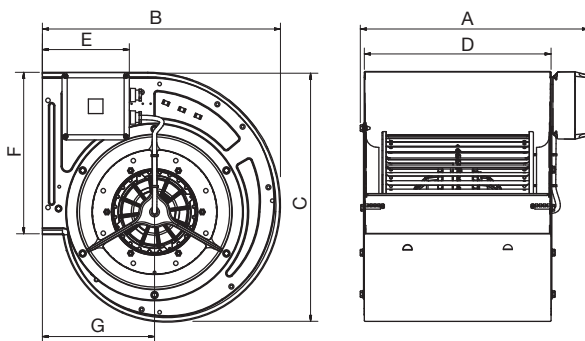
The **DA** fan may never be used with free inlet. There should be a minimal counter-pressure as indicated above. Please measure the current at first starting.

Selection curves



Technical data									
	U [V]	P [W]	I [A]	SC _T	t _m [°C]	t _u [°C]	t _o [°C]	n [rpm]	Lpa @ 3m [dB(A)]
DA 7-7 4P 300	1 x 230	300	2	TSC-1-22	60	60	-20	1370	56.5
DA 9-9 4P 300	1 x 230	300	2.8	TSC-1-40	40	40	-20	1277	58.5
DA 9-9 4P 420	1 x 230	420	3.1	TSC-1-40	40	40	-20	1372	59.5
DA 10-10 6P 245	1 x 230	245	2.78	TSC-1-40	40	40	-20	905	55.5
DA 10-10 55	1 x 230	550	4.8	TSC-1-50	40	40	-20	1470	64
DA 12-9 6P 515	1 x 230	515	4.1	TSC-1-50	40	40	-20	885	56.5
DA 12-12 6P 515	1 x 230	515	4.2	TSC-1-50	40	40	-20	1437	58.5
DA 12-12 6PT 550	3 x 230/400	550	5.9 / 3.4	TSCTK-4-40	40	40	-20	936	59.5

- SC_T = transformer controller
- t_m = maximum air temperature
- t_u = maximum ambient temperature
- t_o = minimum operating temperature
- Lpa = Sound pressure level



	Dimensions							
	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	[kg]
DA 7-7	296	309	336	233	174	207	145	7.2
DA 9-9	382	381	390	300	155	260	184	17.7
DA 10-10	416	423	443	333	157	288	200	16
DA 12-9	381	490	521	311	155	341	229	21.5
DA 12-12	381	490	521	311	155	341	229	22