



PLASTIC TUBE FANS ESPADA

PRODUCT FACTS

- Air flow up to 0.35 m³/s
- Static pressures up to 580 Pa
- Plastic cased centrifugal fan
- Low noise levels
- Corrosion resistant design
- Easy electrical connection via terminal box
- Backward curved impeller
- Suitable for mounting in all orientations

ELECTRICAL SUPPLY

220-240V/50Hz/1ϕ

TEMPERATURE RANGE

Up to 70°C depending on size, see electrical data table on next page for more information.

SIZES

100, 125, 150, 160, 200, 250 & 315 mm

FEATURES AND CONSTRUCTION

Casings of sizes 100 - 315 are manufactured from an impact and flammable resistant plastic and feature an integrated IP44 rated terminal box and guide vanes. Fan impellers, for diameters up to and including 250mm, are manufactured from plastic, while the 315mm size is manufactured from galvanised steel.

INSTALLATION

Rigid folded spiral-seam ducts (Spiro), flexible aluminium or plastic ducts with standardised diameter can be used.

WIRING

Insulation class F with additional moisture protection impregnation and thermal contacts which are connected in series with the windings of the motor.

SPEED CONTROLLERS

Speed is 100% infinitely variable using auto transformers or electronic control.



PRODUCT CODE

ESPADA 100 (L)

- ESPADA = Product Name
- 100 = Diameter size (mm)
- L = (Motor option/variant)

ACCESSORIES (Pages 238-248) - CONTROLLERS (Pages 249-297)

The range of accessories include duct clamps, filters, guards, dampers, silencers, mounting brackets, shutters. A quick reference guide is shown below.



CFC



BDS



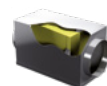
FLS



BDER



MB



CFB



CIG



Controls Electric

PERFORMANCE & ELECTRICAL DATA

220-240V/50HZ/1 ϕ



PERFORMANCE TABLE

Product Code	m ³ /s @ Pa (Static)										
	0	50	100	150	200	250	300	350	400	450	500
ESPADA 100L	0.08	0.06	0.05	0.03	0.02						
ESPADA 125L	0.11	0.1	0.08	0.07	0.05	0.03					
ESPADA 150	0.15	0.14	0.12	0.1	0.08	0.05	0.02				
ESPADA 160	0.15	0.13	0.11	0.09	0.07	0.04	0.01				
ESPADA 200	0.26	0.24	0.22	0.18	0.15	0.12	0.09	0.06	0.03		
ESPADA 250	0.28	0.25	0.22	0.19	0.15	0.12	0.09	0.06	0.02		
ESPADA - 315L	0.34	0.32	0.3	0.28	0.26	0.23	0.21	0.18	0.15	0.12	0.07

Fan Selection m3/s

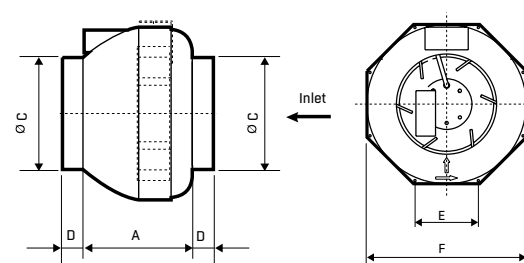
PRODUCT AND ELECTRICAL DETAILS

Product Code	Product Number	Speed rpm	Motor Frame	IP Rating	Electrical Current			Wiring Diagrams	**Speed Controllers	Maximum Operating Temp°C	Breakout
					Motor (kW)	Full Load Current (A)	Starting Current (A)				*Sound Level db(A) (3m)
ESPADA 100L	TF100023	2125	Integral	IP44	0.029	0.13	0.13	CD3004	EEID 1.5	70	35
ESPADA 125L	TF125024	2415	Integral	IP44	0.06	0.3	0.4	CD3004	EEID 1.5	70	31
ESPADA 150	TF150023	2400	Integral	IP44	0.07	0.3	0.45	CD3004	EEID 1.5	70	30
ESPADA 160	TF160023	2400	Integral	IP44	0.07	0.45	0.68	CD3004	EEID 1.5	70	30
ESPADA 200	TF200024	2540	Integral	IP44	0.115	0.5	0.8	CD3004	EEID 1.5	50	32
ESPADA 250	TF250024	2560	Integral	IP44	0.115	0.5	0.8	CD3004	EEID 1.5	50	32
ESPADA - 315L	TF315023	2390	Integral	IP44	0.2	0.89	2.04	CD3004	EEID 1.5	70	33

Fan db(A)

DRAWING AND DIMENSIONS

Product Code	A	B	C	D	E	F	Weight (Kg)
ESPADA 100L	160	220	100	30	97.6	245	2.4
ESPADA 125L	160	220	124	30	97.5	245	2.4
ESPADA 150	170	230	149	30	135.7	340.5	3
ESPADA 160	170	230	159	30	135.7	340.5	3
ESPADA 200	170	230	199	30	135.7	340.5	3.4
ESPADA 250	170	230	249	30	135.7	340.5	3.4
ESPADA - 315L	215	275	314	30	160.7	405	5.8



For ErP efficiency ratings and grades please refer to our Fan Selector for more information. *Sound power levels are average dBA at 3 metres distance over sphere, under free field conditions and are presented for comparative purposes only. Values shown are those at the mid-point of the performance curve.

All dimensions in mm.

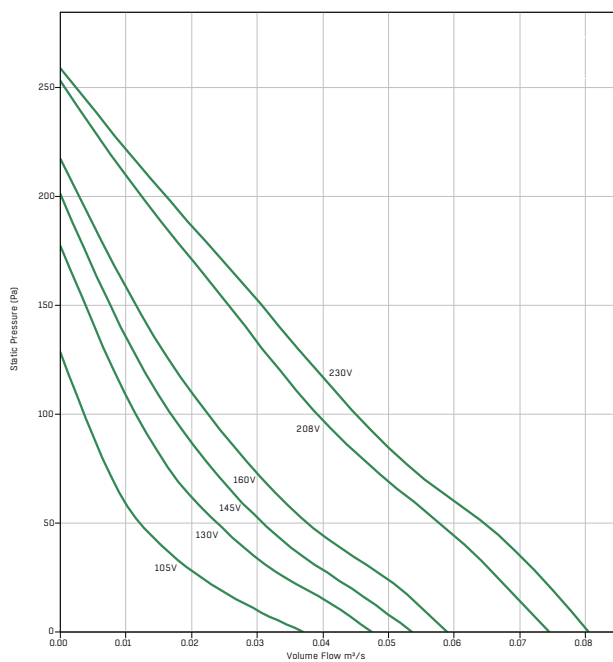
Products in **bold** are available from our UK Distributors on next day delivery, if ordered by 4pm. Please call to confirm availability on 01206 222 580.



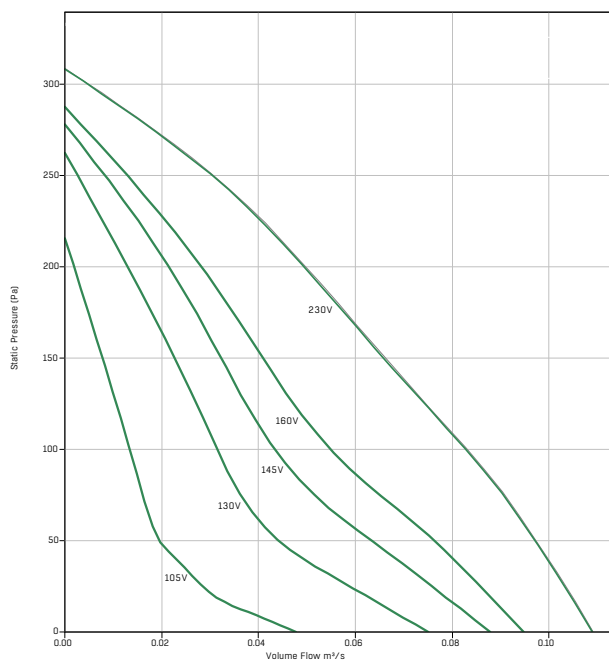


PERFORMANCE CHART

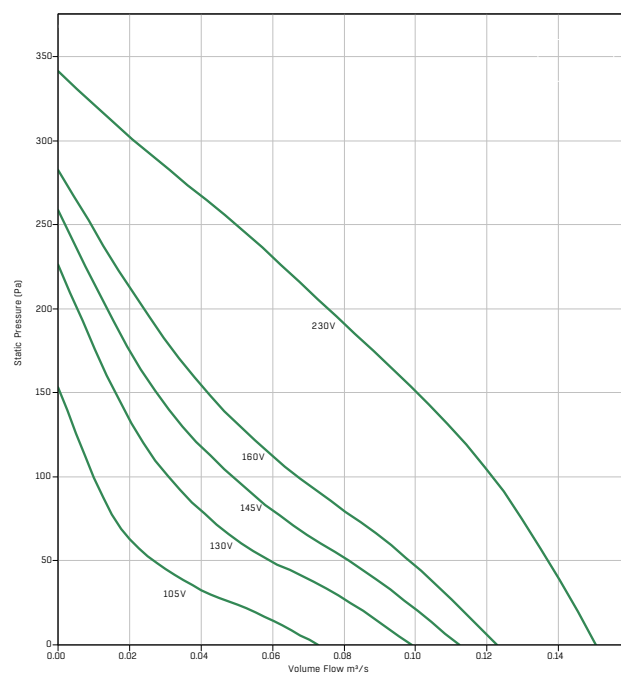
ESPADA - 100L - TF100023



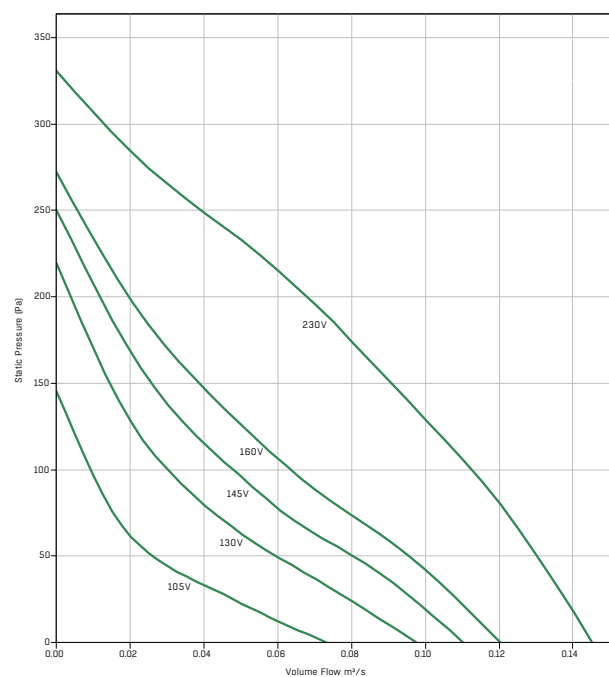
ESPADA - 125L - TF125024



ESPADA - 150 - TF150023

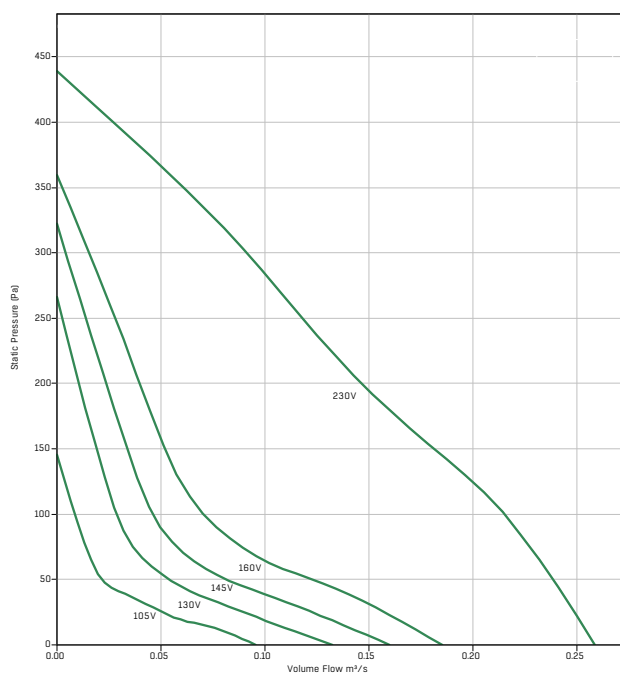


ESPADA - 160 - TF160023

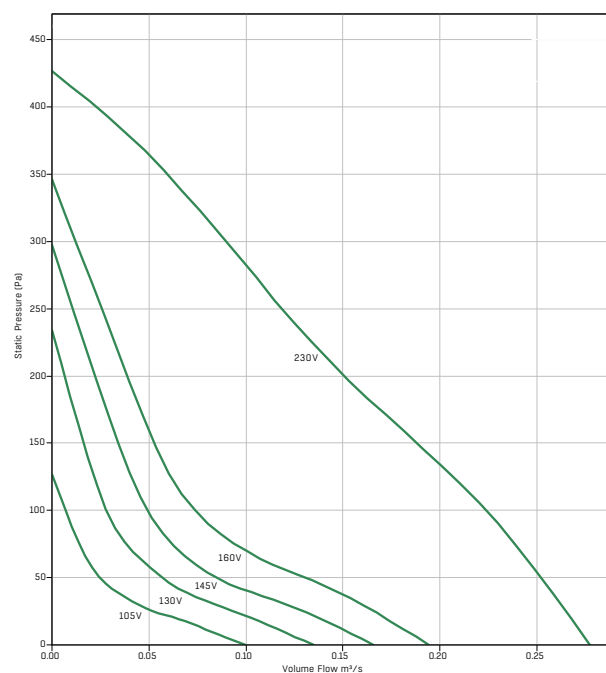


PERFORMANCE CHART

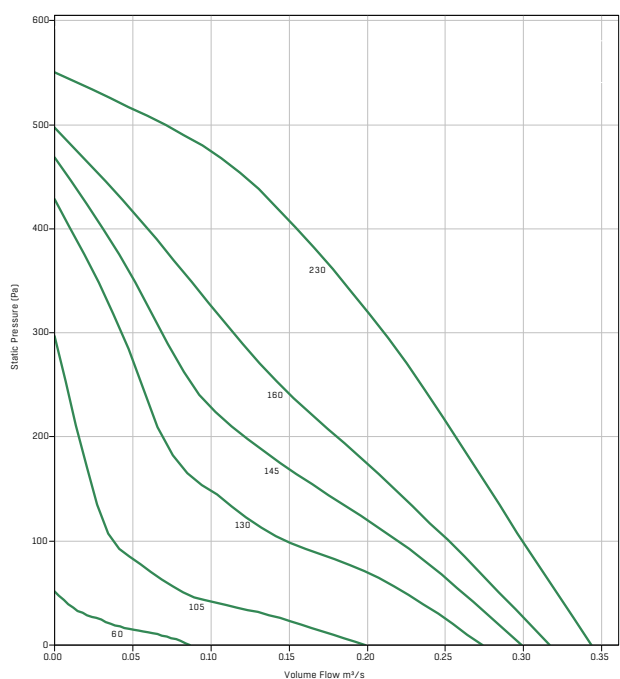
ESPADA - 200 - TF200024



ESPADA - 250 - TF250024



ESPADA - 315L - TF315023





WIRING DIAGRAM - ESPADA

CD3004

