



KENTALBOX PLUS RANGE

Acoustic box fans

Key features

- Ventilation box with 30 mm aluminium profile structure, nylon corners, galvanised sandwich panels with internal insulation rockwool (25mm thickness) class A1 (non combustible) of 90 kg/m³ density. All panels are equipped with "fastening system" for the quick assembly and disassembly whenever required, either for cleaning, maintenance or exchanging of panels.
- Centrifugal fan with motor coupled directly to the impeller, plug fan type.
- Circular inlet to facilitate duct connection. Open outlet.
- Models with AC motor inside the air flow. Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages of 230V 60Hz for single phase motors, 230/400V 60Hz & 400/690V 60Hz for three-phase 1 speed motors and 400V 60Hz for 2 speed motors.
- Backward curved single inlet impeller of high performance with self cleaning system made of steel. Balanced statically and dynamically at origin.
- Exchangeable panels.



Applications

- Designed for in-line installation, they are suitable for:
 - Air renewal in buildings and industries.
 - Smoke extraction.
 - Maximum working temperature: three phase 60°C.

ACCESSORIES

SFC



Frequency speed controller

INT



Safety switch

BOX FILTER



External box filter

TIC



Outlet blind cover

TBIC



Outlet round cover

TEJ



Kental Weather Proof Roof

AVR



Anti vibration mounts

BA



Anti vibrating flange



Reducer



4 POLE

Code	Model	R.P.M	Rated I (A)		Power kW	Air flow m³/h	Sound dB (A)	Weight kg	Connection diagram
			230V	400V					
249314106	KENTALBOX PLUS 315 T4 0,25kW	1400	1,38	0,79	0,25	2.400	40	37	2
249354106	KENTALBOX PLUS 355 T4 0,25kW	1400	1,38	0,79	0,25	3.230	42	44	2
249404106	KENTALBOX PLUS 400 T4 0,55kW	1440	2,57	1,49	0,55	4.650	45	59	2
249454106	KENTALBOX PLUS 450 T4 1,1kW	1450	4,33	2,49	1,10	7.290	49	80	2
249504106	KENTALBOX PLUS 500 T4 1,5kW	1450	5,67	3,26	1,50	9.665	52	105	2
249564106	KENTALBOX PLUS 560 T4 3kW	1420	10,7	6,17	3,00	13.685	52	122	2
249634106	KENTALBOX PLUS 630 T4 7,5kW	1455	-	14,1	7,50	19.765	57	151	2

KENTALBOX PLUS PACK RANGE

Acoustic box fans



Pack contains:

- 1** Kentalbox Plus* (x1 qty)
- 2** Frequency Speed Controller - single or three phase (SFC) (x1 qty)
- 3** Outlet Circular Flange (TBIC) (x1 qty)
- 4** Reducer (RC) (x2 qty)

* Please note diameter of fan spigot is a 1 x size larger than on description

E.g: 560mm diameter fan = Kentalbox Plus 500mm

ITEMS INCLUDED IN PACK

Pack Code	Pack Model Description	Dia of Spigot	Fan Code	Speed Controller Code	Outlet Circular Flange Code	Reducer Code
KB400P1	KENTALBOX PLUS 400 T4 0,55kW Single Phase Pack	450 dia	249404106	SFC230I004*	TBICKBP400 **	RC- 450-400
KB450P1	KENTALBOX PLUS 450 T4 1,1kW Single Phase Pack	500 dia	249454106	SFC230I007*	TBICKBP450 **	RC- 450-400
KB500P1	KENTALBOX PLUS 500 T4 1,5kW Single Phase Pack	560 dia	249504106	SFC230I007*	TBICKBP500 **	RC- 560-500
KB400P3	KENTALBOX PLUS 400 T4 0,55kW Triple Phase Pack	450 dia	249404106	SFC400III2*	TBICKBP400 **	RC- 450-400
KB450P3	KENTALBOX PLUS 450 T4 1,1kW Triple Phase Pack	500 dia	249454106	SFC400III4*	TBICKBP450 **	RC- 500-450
KB500P3	KENTALBOX PLUS 500 T4 1,5kW Triple Phase Pack	560 dia	249504106	SFC400III4*	TBICKBP500 **	RC- 560-500
KB560P3	KENTALBOX PLUS 560 T4 3kW Triple Phase Pack	630 dia	249564106	SFC400III8*	TBICKBP560 **	RC- 630-560

* Single phase FSC (SFC230) entry/input 230V single phase and exit/output 230V three phase

Three phase FSC (SFC400) entry/input 400V three phase and exit/output 400V three phase

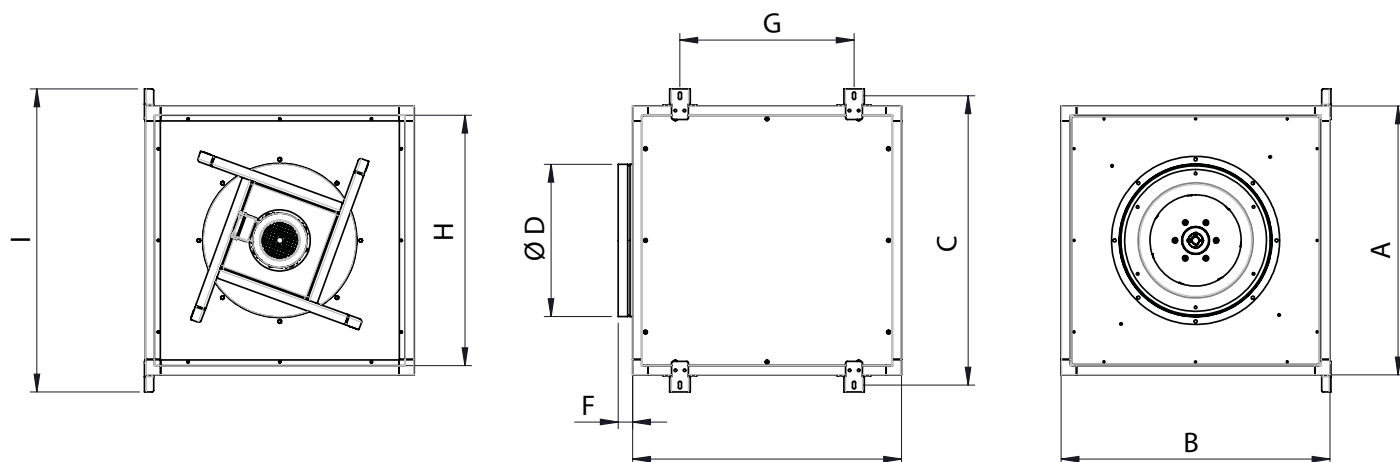
** Please note the Circular Outlet Flange (TBIC) is x 1 size up to match spigot on fan



CABINET FANS

KENTALBOX PLUS RANGE

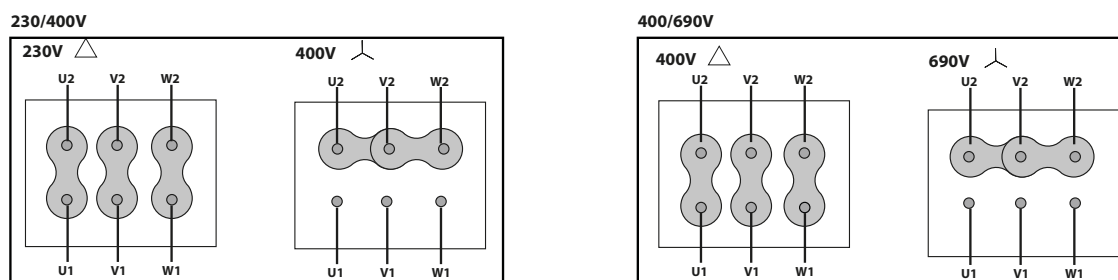
DIMENSIONS



MODEL	A	B	C	D	E	F	G	H	I
KENTALBOX PLUS 315	585	585	652	353	585	47	275	525	697
KENTALBOX PLUS 355	650	650	717	398	650	47	340	590	762
KENTALBOX PLUS 400	730	730	797	448	730	47	420	670	842
KENTALBOX PLUS 450	880	880	947	498	880	47	570	820	992
KENTALBOX PLUS 500	940	940	1007	558	940	47	630	880	1052
KENTALBOX PLUS 560	30	1030	1097	628	1030	47	720	970	1142
KENTALBOX PLUS 630	1120	1120	1187	708	1120	47	810	1060	1232

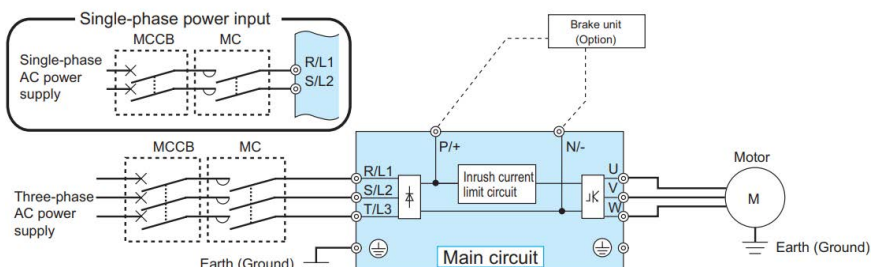
CONNECTION DIAGRAMS

THREE PHASE MOTORS 1 SPEED



FREQUENCY SPEED CONTROLLER

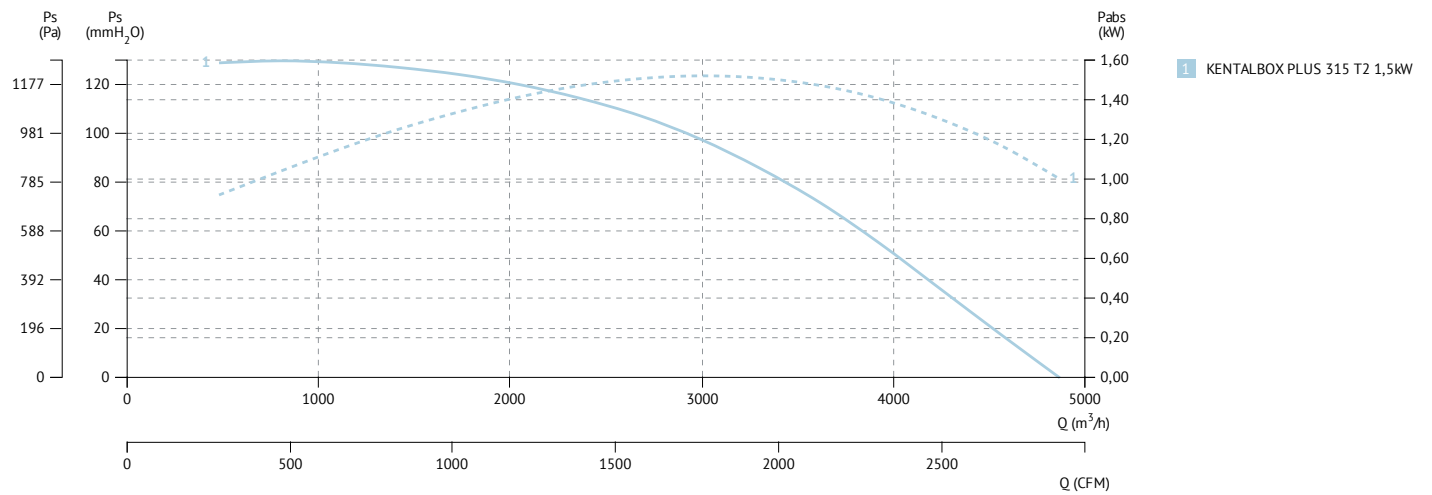
Source logic
 ⊙ Main circuit terminal
 ○ Control circuit terminal





PERFORMANCE CURVES

2 POLE / 2 polos



4 POLE / 4 polos

