



KENTALCOOK RANGE

High temperature acoustic box fans

Key features

- Watertight ventilation box with very high efficiency and low noise level with 30 mm aluminium profile structure, nylon corners and galvanised steel sandwich panel with internal rock wool insulation 25 mm thick class A1 (non-combustible) and 90 kg/m³ density. All panels have a "fastening system" for easy assembly and disassembly whenever required, whether for cleaning, maintenance or panel exchange.
- Centrifugal fan with motor coupled directly to the coil type plug fan with motor outside the air flow.
- Circular inlet to facilitate the connection of ducts. open outlet.
- Models with AC motor isolated from the air flow, which allows working stably with contaminated flow at temperatures higher than ambient.
- Standard asynchronous squirrel cage motor with IP-55 protection and Class F insulation. Standard voltages.
- 230V 50Hz for single-phase and motors 230/400V and 400/690V50Hz for single speed, 400V three-phase motors 50Hz for the 2 speeds.
- High-performance single-aspiration turbine with backward curved blades (reaction) with self-cleaning system built in steel. Statically and dynamically balanced at origin.
- With stainless steel drainage purge for escape route of the fluid load.
- Built-in safety switch.
- Interchangeable drive panels.
- Registration panel accessible by handle.



Applications

- Designed for 90° entry-exit installation, they are suitable for:
 - Air renewal in buildings and industries.
 - Smoke extraction.
 - Kitchen extraction.
- Designed to deal with environments with oily load.
- Maximum continuous working temperature: three-phase 120°C.

ACCESSORIES

SFC



Speed controller

BOX FILTER



External box filter

TBIC



Outlet round cover

TIC



Outlet blind cover

TEJ



Weather protective roof for Kentalbox Plus

CFF



Filter cells with Fiber-Plast frame

CHEF



High efficiency, rigid and compact filters

CFGF



Cell filter with galvanised frame



ACCESSORIES CONTINUED

FAT TRAP

Stainless steel grease box
for restaurant exhaust fan



AVR

Anti vibration mounts



BA

Anti vibrating
flange



Reducer



KENTALCOOK PACK RANGE

High temperature acoustic box fans packed with accessories



Pack contains:

- 1** Kentalcook* (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 = Kentalcook 500mm

ITEMS INCLUDED IN PACK

Pack Code	Pack Model Description	Dia of Spigot	Fan Code	Speed Controller Code	Circular Plate Code	Reducer Code
KC315P1	KENTALCOOK 315 T4 0,25kW Single Phase Pack	355 dia	249314106Q	SFC230I003	TBICKBP315	RC-355-315
KC355P1	KENTALCOOK 355 T4 0,25kW Single Phase Pack	400 dia	249354106Q	SFC230I003	TBICKBP355	RC- 400-355
KC400P1	KENTALCOOK 400 T4 0,55kW Single Phase Pack	450 dia	249404106Q	SFC230I004	TBICKBP400	RC- 450-400
KC450P1	KENTALCOOK 450 T4 1,1kW Single Phase Pack	500 dia	249454106Q	SFC230I007	TBICKBP450	RC- 450-400
KC500P1	KENTALCOOK 500 T4 1,5kW Single Phase Pack	560 dia	249504106Q	SFC230I007	TBICKBP500	RC- 560-500
KC315P3	KENTALCOOK 315 T4 0,25kW Triple Phase Pack	355 dia	249314106Q	SFC400III1	TBICKBP315	RC- 355-315
KC355P3	KENTALCOOK 355 T4 0,25kW Triple Phase Pack	400 dia	249354106Q	SFC400III1	TBICKBP355	RC- 400-355
KC400P3	KENTALCOOK 400 T4 0,55kW Triple Phase Pack	450 dia	249404106Q	SFC400III2	TBICKBP400	RC- 450-400
KC450P3	KENTALCOOK 450 T4 1,1kW Triple Phase Pack	500 dia	249454106Q	SFC400III4	TBICKBP450	RC- 500-450
KC500P3	KENTALCOOK 500 T4 1,5kW Triple Phase Pack	560 dia	249504106Q	SFC400III4	TBICKBP500	RC- 560-500
KC560P3	KENTALCOOK 560 T4 3kW Triple Phase Pack	630 dia	249564106Q	SFC400III8	TBICKBP560	RC- 630-560
KC630P3	KENTALCOOK 630 T4 7,5kW Triple Phase Pack	710 dia	249634106Q	SFC400III16	TBICKBP630	RC- 710-630

* 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

KENTALCOOK RANGE

THREE PHASE RANGE

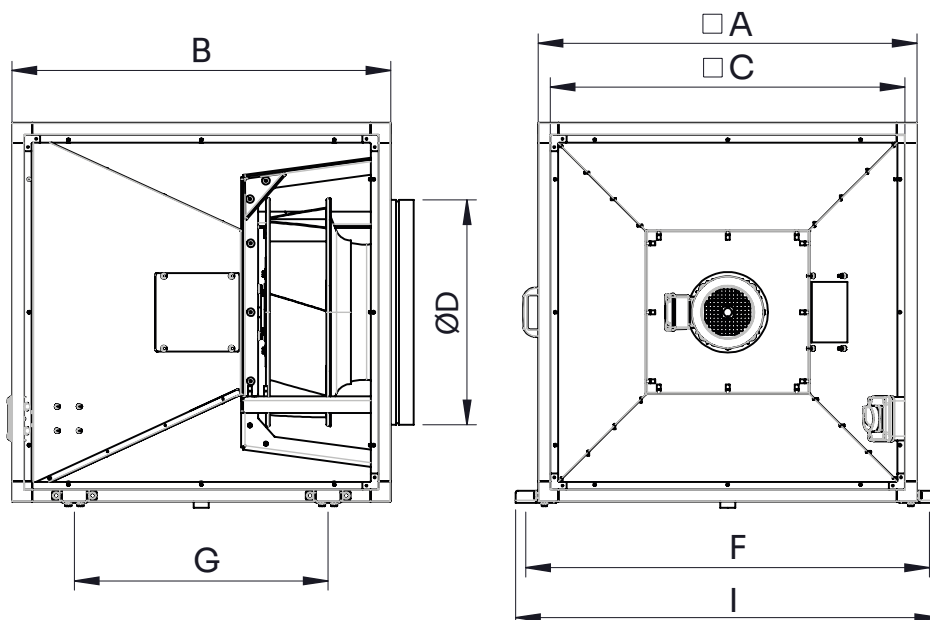
2 POLE

Code	Model	R.P.M	Rated I (A)		Power kW	Air flow m³/h	Weight kg	Connection diagram
			230V	400V				
249312106Q	KENTALCOOK 315 T2 1,5kW	2865	5,83	3,14	1,50	5.160	38	2

4 POLE

Code	Model	R.P.M	Rated I (A)		Power kW	Air flow m³/h	Weight kg	Connection diagram
			230V	400V				
249314106Q	KENTALCOOK 315 T4 0,25kW	1400	1,38	0,79	0,25	2.540	37	2
249354106Q	KENTALCOOK 355 T4 0,25kW	1400	1,38	0,79	0,25	3.540	44	2
249404106Q	KENTALCOOK 400 T4 0,55kW	1440	2,57	1,49	0,55	5.240	59	2
249454106Q	KENTALCOOK 450 T4 1,1kW	1450	4,33	2,49	1,10	7.720	80	2
249504106Q	KENTALCOOK 500 T4 1,5kW	1450	5,67	3,26	1,50	10.230	105	2
249564106Q	KENTALCOOK 560 T4 3kW	1420	10,7	6,17	3,00	14.740	122	2
249634106Q	KENTALCOOK 630 T4 5,5kW	1460	-	10,5	5,50	22.100	151	2

DIMENSIONS



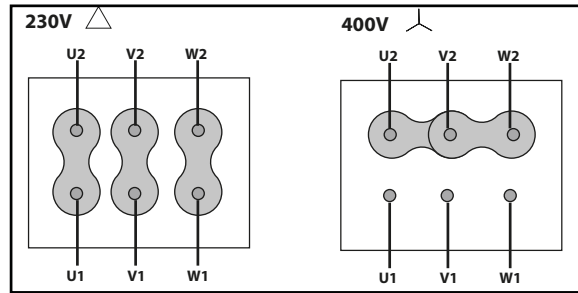
MODEL	A	B	C	D	F	G	I
KENTALCOOK 315	585	585	525	353	647	275	697
KENTALCOOK 355	650	650	590	398	712	340	762
KENTALCOOK 400	730	730	670	448	792	420	842
KENTALCOOK 450	880	880	820	498	942	570	992
KENTALCOOK 500	940	940	880	558	1002	630	1052
KENTALCOOK 560	1030	1030	970	628	1092	720	1142
KENTALCOOK 630	1120	1120	1060	708	1182	810	1232



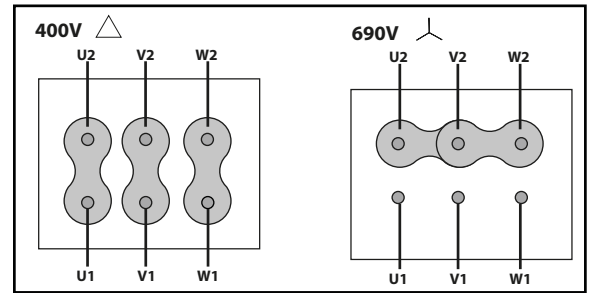
CONNECTION DIAGRAMS

2 THREE PHASE MOTORS 1 SPEED

230/400V



400/690V

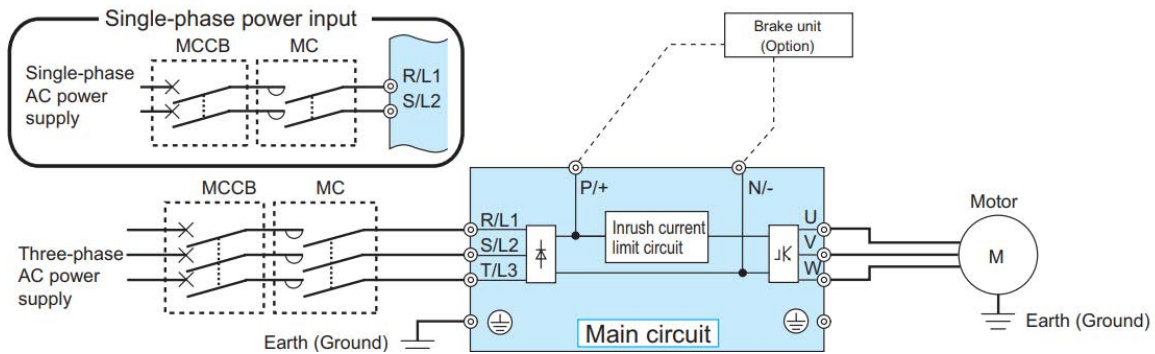


FREQUENCY SPEED CONTROLLER

Source logic

⊙ Main circuit terminal

○ Control circuit terminal



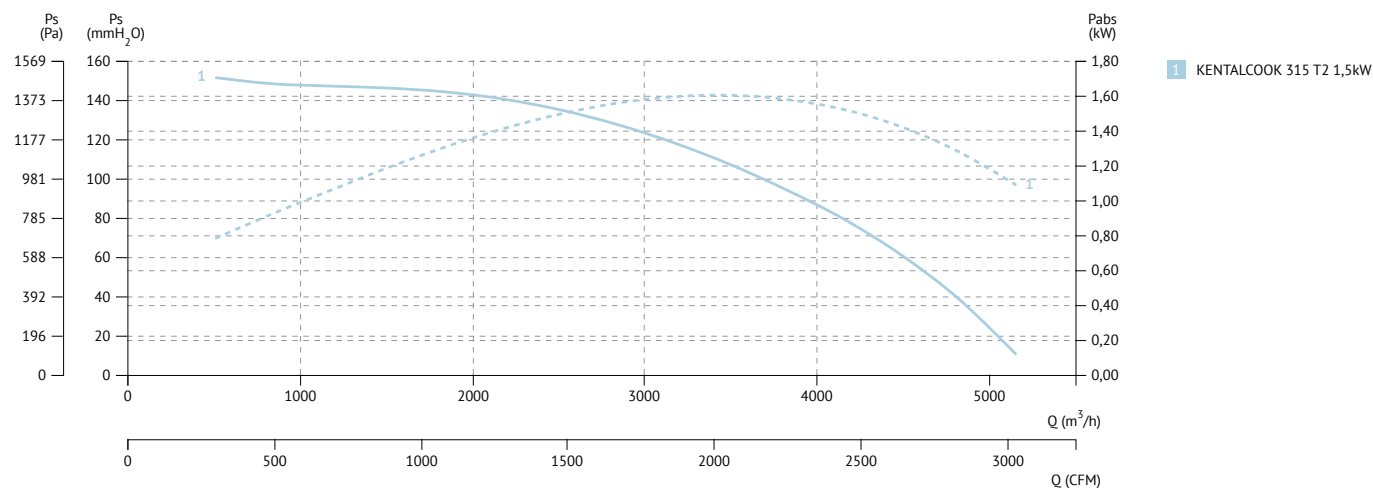


CABINET FANS

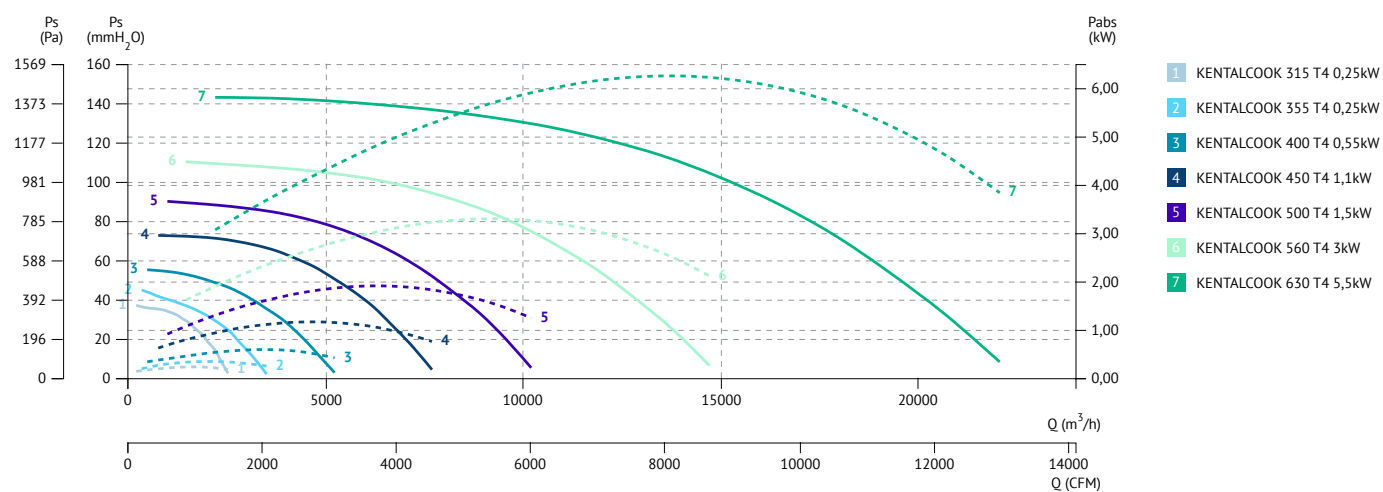
KENTALCOOK RANGE

CHARACTERISTIC CURVES

2 POLE / 2 polos



4 POLE / 4 polos



Ancillary Quick Ref Guide



HIGH TEMP BOX FAN

Kentalcook Range



FAN MODEL	FAN DESCRIPTION	FAN POLE	FAN PHASE	FAN CODE	FAN ANCILLARY INVERTER (SINGLE PHASE)	FAN ANCILLARY (INVERTER 3 PHASE)
KENTALCOOK 315 M4 0,25kW	315mm Kitchen Cabinet	4	1	249314103Q	*	*
KENTALCOOK 315 T2 1,5kW	315mm Kitchen Cabinet	2	3	249312106Q	SFC230I007	SFC400III4
KENTALCOOK 315 T4 0,25kW	315mm Kitchen Cabinet	4	3	249314106Q	SFC230I003	SFC400III1
KENTALCOOK 355 M4 0,25kW	355mm Kitchen Cabinet	4	1	249354103Q	*	*
KENTALCOOK 355 T4 0,25kW	355mm Kitchen Cabinet	4	3	249354106Q	SFC230I003	SFC400III1
KENTALCOOK 400 M4 0,55kW	400mm Kitchen Cabinet	4	1	249404103Q	*	*
KENTALCOOK 400 T4 0,55kW	400mm Kitchen Cabinet	4	3	249404106Q	SFC230I004	SFC400III2
KENTALCOOK 450 T4 1,1kW	450mm Kitchen Cabinet	4	3	249454106Q	SFC230I007	SFC400III4
KENTALCOOK 500 T4 1,5kW	500mm Kitchen Cabinet	4	3	249504106Q	*	*
KENTALCOOK 500 T6 0,55kW	500mm Kitchen Cabinet	6	3	249506106Q	SFC230I004	SFC400III2
KENTALCOOK 560 T4 3kW	560mm Kitchen Cabinet	4	3	249564106Q	*	SFC400III8
KENTALCOOK 560 T6 1,1kW	560mm Kitchen Cabinet	6	3	249566106Q	SFC230I007	SFC400III4
KENTALCOOK 630 T4 5,5kW	630mm Kitchen Cabinet	4	3	249634106Q	*	SFC400III16
KENTALCOOK 630 T6 1,5kW	630mm Kitchen Cabinet	6	3	249636106Q	*	SFC400III8

* No controller - fan must be wired on full speed upon installation