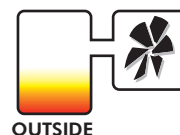


CENTRIFUGAL ROOF FAN

Type CTH2



■ APPLICATIONS

Smoke evacuation fan outside the hazardous area specially designed for roof installation. Suitable for:

- Smoke extraction.
- Smoke emergency exhaust with motor outside the hazardous area (400°C/2h certificate).
- Air renewal in buildings and industries.
- Industrial and professional kitchen hoods.
- Maximum continuous operation temperature: 80°C.

■ MANUFACTURING FEATURES

- Roof cowl made of high resistance ABS plastic.
- Structure, roof base support and bird protection guard made of coated steel. Base made of coated steel.
- Backward curved impeller made of galvanised steel.
- Housing made of aluminium B5.
- Standard asynchronous squirrel-cage motor with IP-55 protection and Class F insulation. Manufactured with standard voltages: 230V 50Hz in single phase motors, 230/400V 50Hz in three phase motors and 400V 50Hz in 2 speed motors.

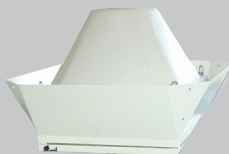


The cowl can be removed easily

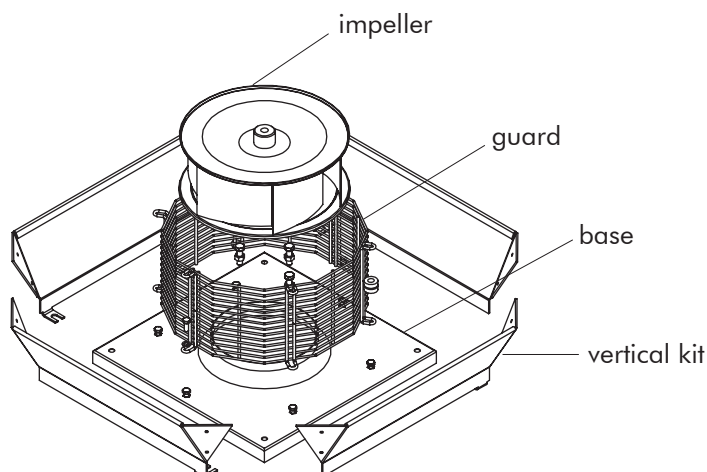
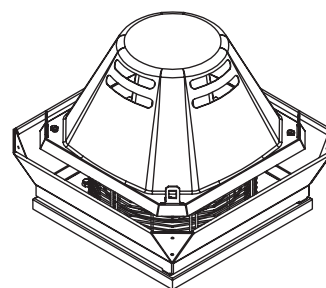
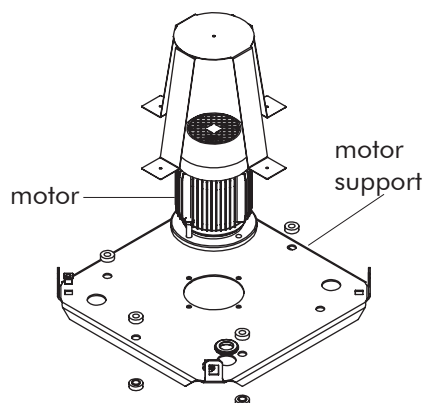
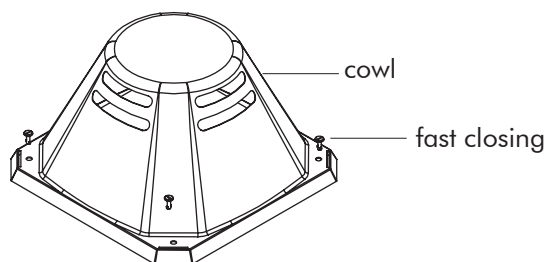


■ UNDER REQUEST

- Security switch mounted and wired.
- 60Hz and special voltages.
- ATEX version.
- Vertical discharge when adding the accessory KITV2.

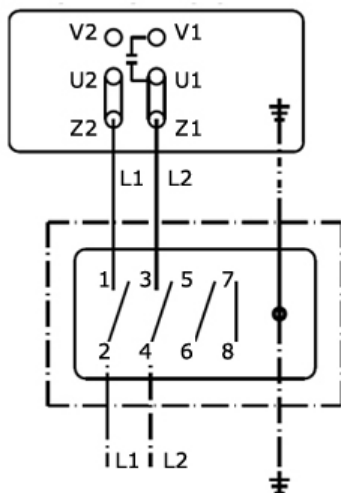


KITV2

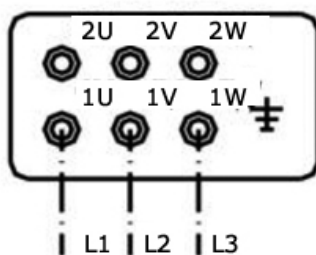


■ WIRING DIAGRAM

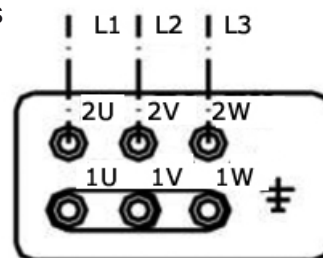
230V 1 speed



400V 2 speeds

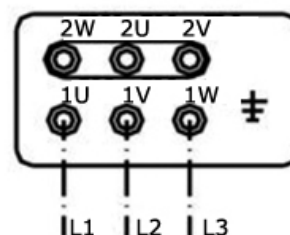


Low speed



High speed

400V 1 speed



■ SINGLE PHASE RANGE

Model	R.P.M. max.	Max Current (A) 230V	Rated Power Kw	Max air flow m³/h	Weight Kg
CTH-2 355 M4 0,37kW	1500	2,74	0,37	3000	38
CTH-2 400 M4 0,37kW	1500	2,74	0,37	4350	40

■ THREE PHASE RANGE

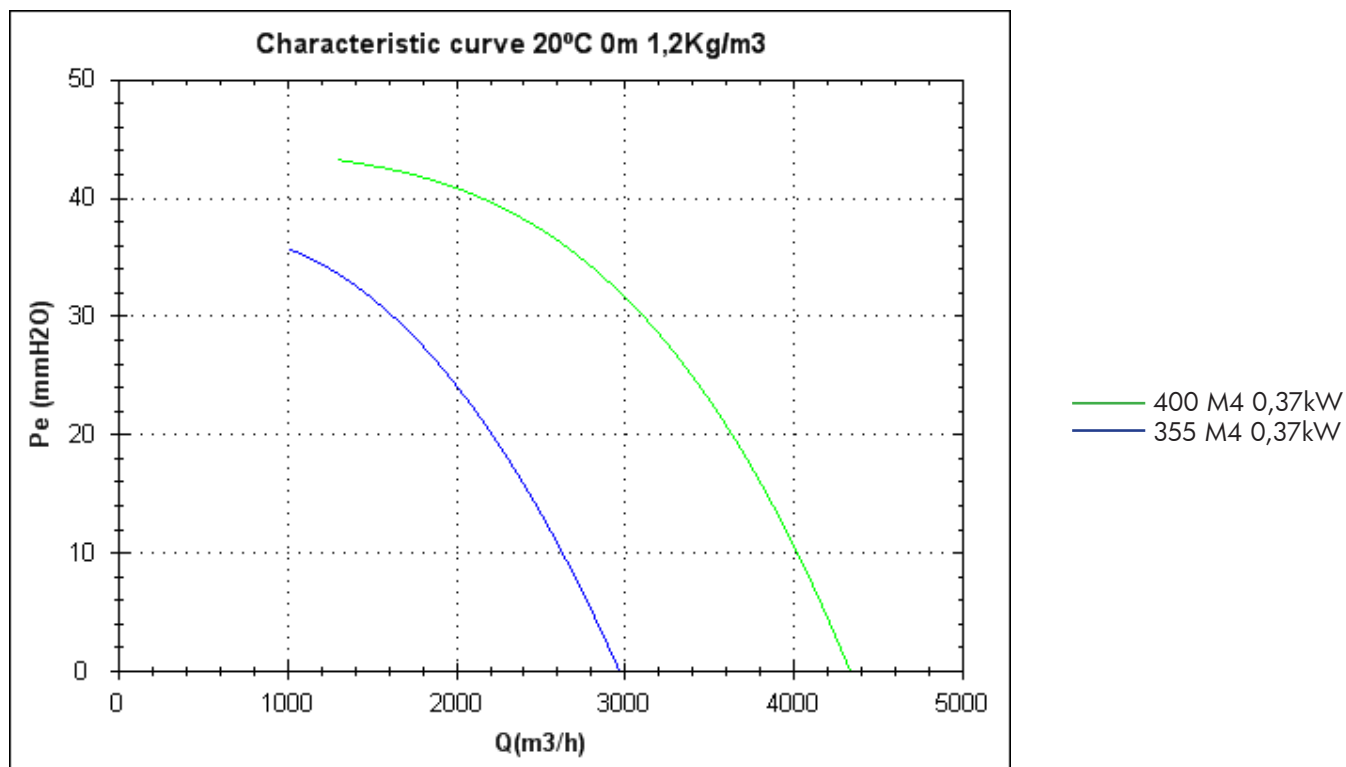
Model	R.P.M. max.	Max Current (A) 400V	Rated Power Kw	Max air flow m³/h	Weight Kg
CTH-2 250 T4 0,37kW	1500	1,04	0,37	1050	17
CTH-2 280 T4 0,37kW	1500	1,04	0,37	1370	20
CTH-2 315 T4 0,37kW	1500	1,04	0,37	2020	24
CTH-2 355 T4 0,37kW	1500	1,04	0,37	3000	39
CTH-2 400 T4 0,37kW	1500	1,04	0,37	4350	40
CTH-2 450 T4 0,75kW	1500	1,71	0,75	5950	45
CTH-2 500 T4 1,1kW	1500	2,53	1,1	8550	75
CTH-2 585 T4 3kW	1500	5,94	3	13900	89
CTH-2 585 T6 0,75kW	1000	1,97	0,75	8750	81
CTH-2 630 T6 1,5kW	1000	3,78	1,5	11400	87
CTH-2 710 T6 2,2kW	1000	5,36	2,2	17150	101
CTH-2 800 T6 4kW	1000	8,74	4	23750	118

■ THREE PHASE RANGE 2 SPEEDS

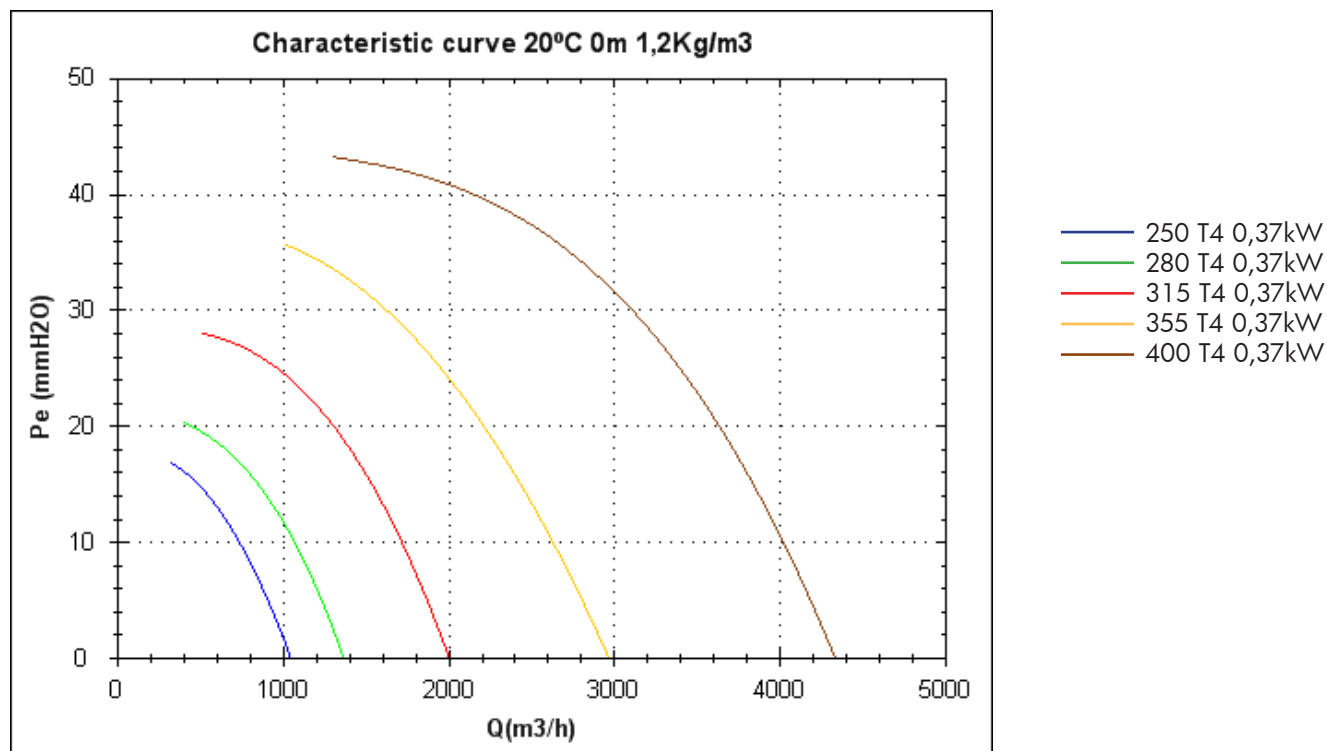
Model	R.P.M. max.	Max Current (A) 400V	Rated Power Kw	Max air flow m³/h	Weight Kg
CTH-2 400 T4/T8 0,37/0,09kW	1500/750	1,83/0,52	0,37/0,09	4350/2100	40
CTH-2 450 T4/T8 0,8/0,2kW	1500/750	1,82/0,86	0,8/0,2	5950/2900	46
CTH-2 500 T4/T8 1,1/0,18kW	1500/750	2,95/1,33	1,1/0,18	8550/4300	77
CTH-2 500 T6/T12 0,37/0,09kW	1000/500	1,64/0,67	0,37/0,09	5750/2850	78
CTH-2 585 T4/T8 3/0,55kW	1500/750	6,44/2,33	3/0,55	13900/6800	80
CTH-2 800 T6/T12 4/1kW	1000/500	12,6/5,13	4/1	23750/11750	118

■ PERFORMANCE CURVES

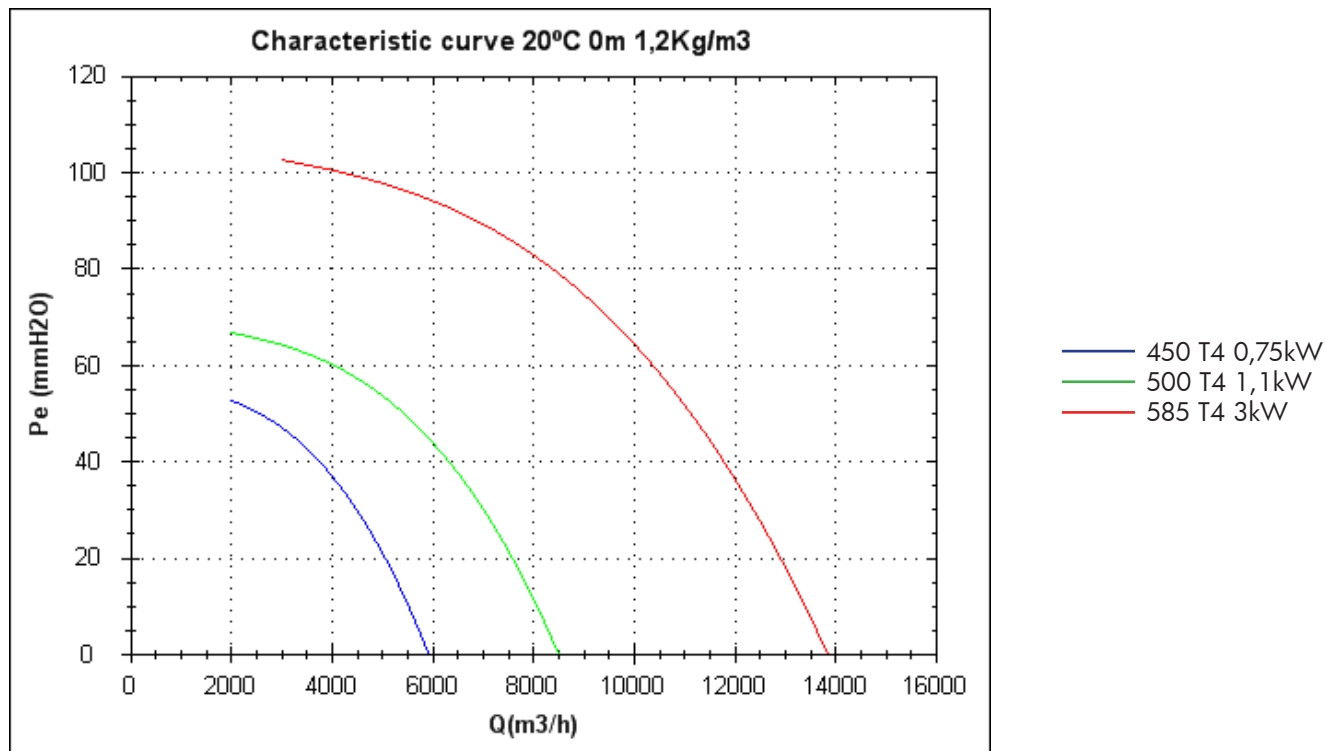
SINGLE PHASE RANGE



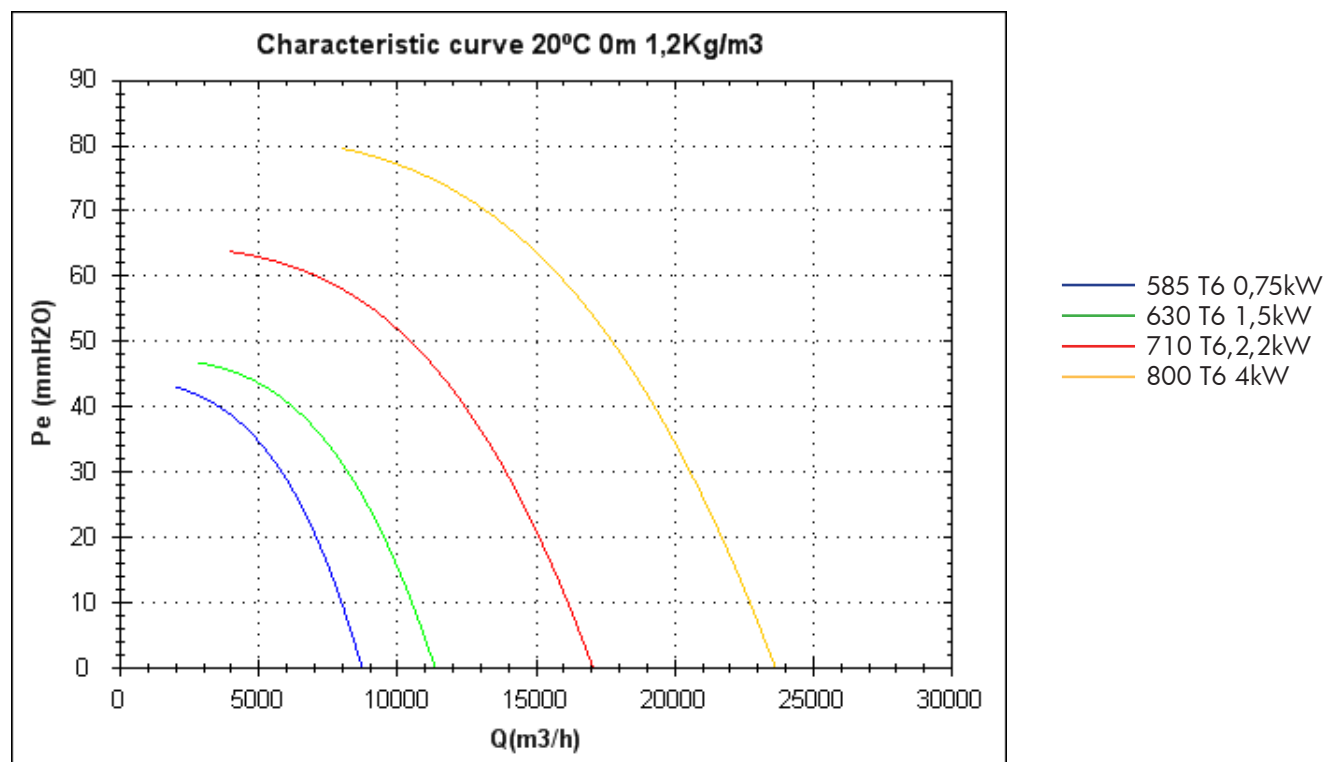
THREE PHASE RANGE 4 POLES



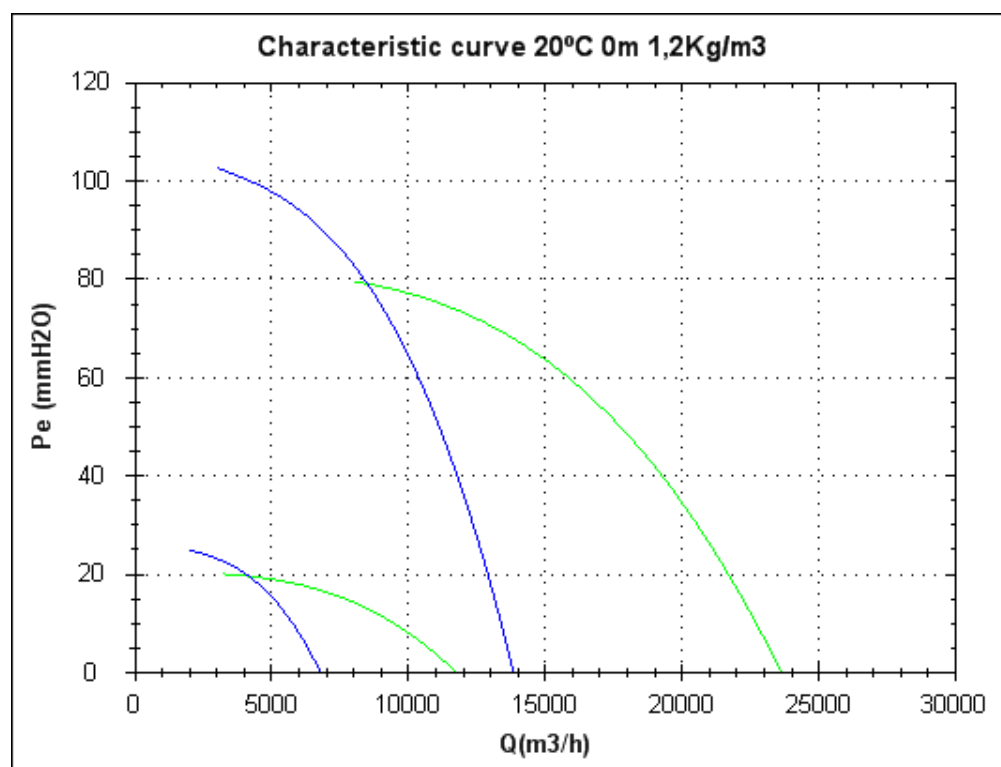
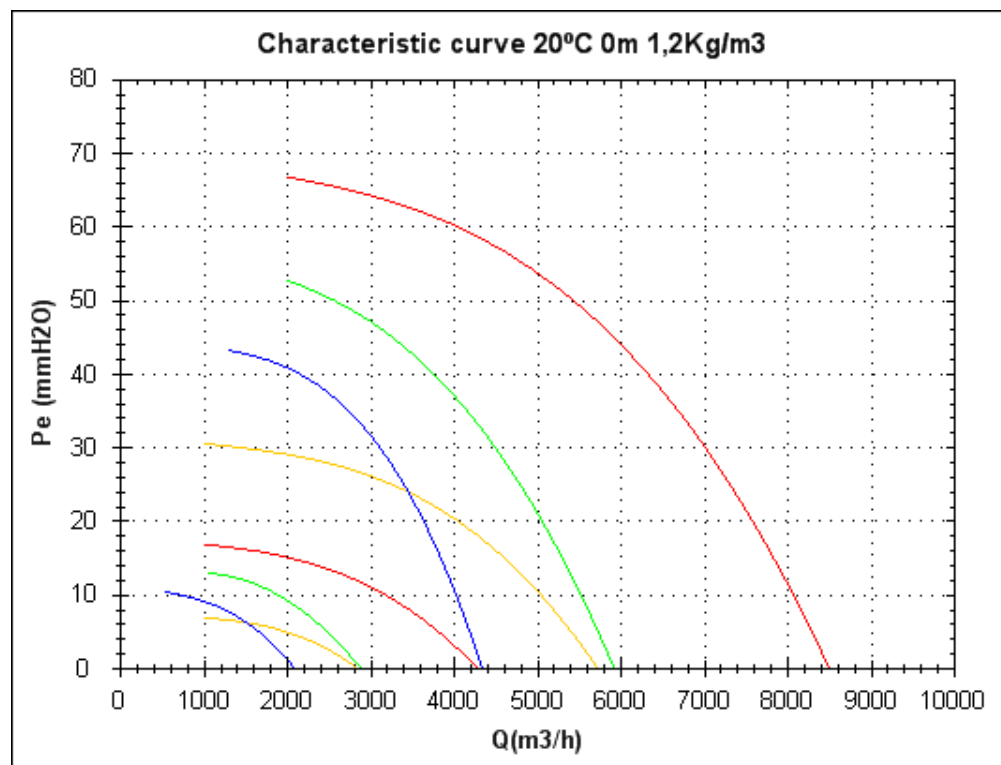
THREE PHASE RANGE 4 POLES



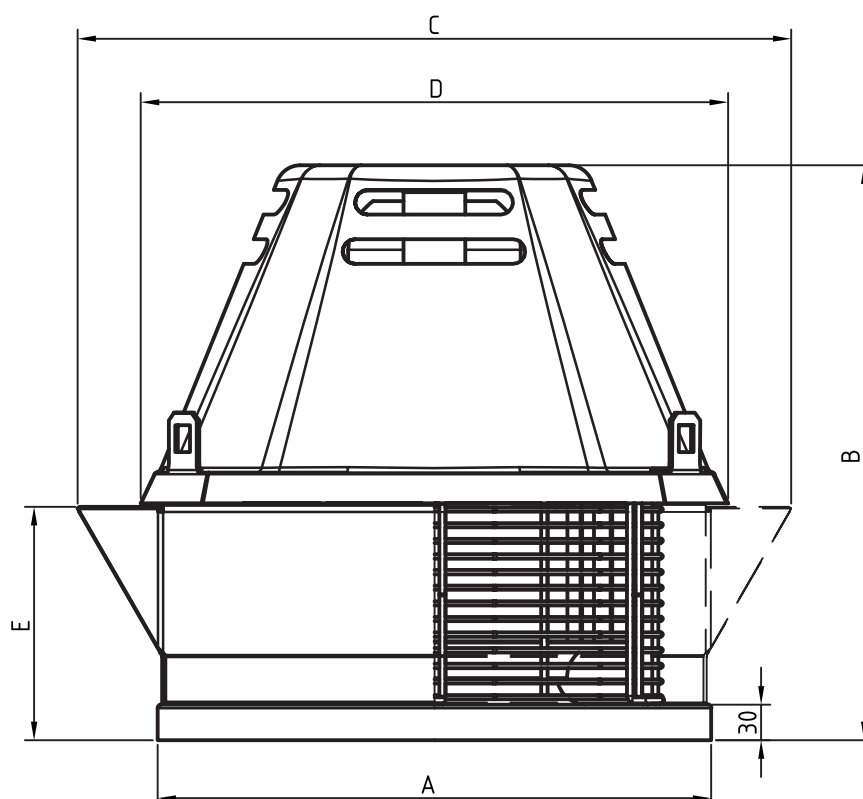
THREE PHASE RANGE 6 POLES



THREE PHASE RANGE 2 SPEEDS



■ DIMENSIONS (mm)



Size	A	B	C	D	E
CTH-2 250	450	407	576	476	189
CTH-2 280	450	426	576	476	189
CTH-2 315	450	465	576	476	189
CTH-2 355	600	561	850	626	295
CTH-2 400	600	617	850	626	295
CTH-2 450	600	642	850	626	295
CTH-2 500	800	809	1190	824	416
CTH-2 585	800	825	1190	824	416
CTH-2 630	800	863	1190	824	416
CTH-2 710	950	1000	1430	990	500
CTH-2 800	950	1044	1430	990	500