



Hybrid Type Self-Regulating Centrifugal Roof Fans CTBH ECOWATT Series

Serial CTBH ECOWATT

CTBH/4-500/200 ECOWATT

Hybrid type, self-regulating centrifugal roof fans, low profile, horizontal outlet to fit directly to a circular duct for ventilating homes and small work spaces. Complying with the new Technical Building Code, for ventilating homes and small work spaces, centrifugal backward curved impeller in galvanised sheet steel protected by black polyester paint, an aluminium cover, galvanized sheet steel bird-proof guard, duct connection flange seal, an external rotor EC motor, thermal protection, and IP55 on-off switch, which can be moved away from the fan. CTBH ECOWATT range fans start up automatically when temperature conditions do not permit sufficient natural air circulation.



Technical data

Technical characteristics

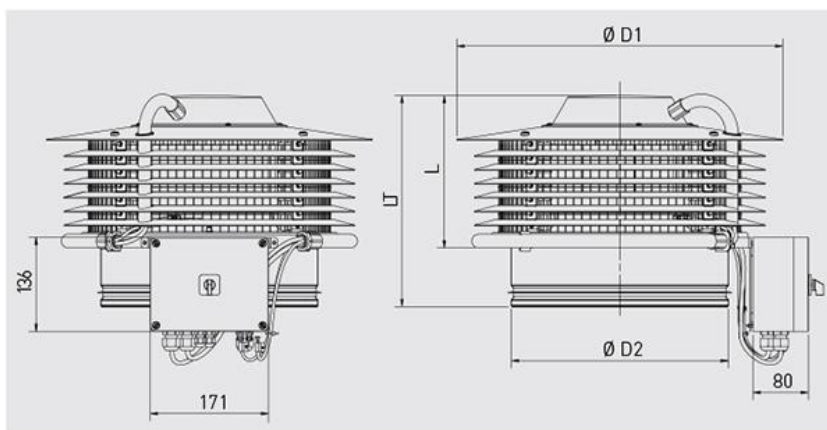
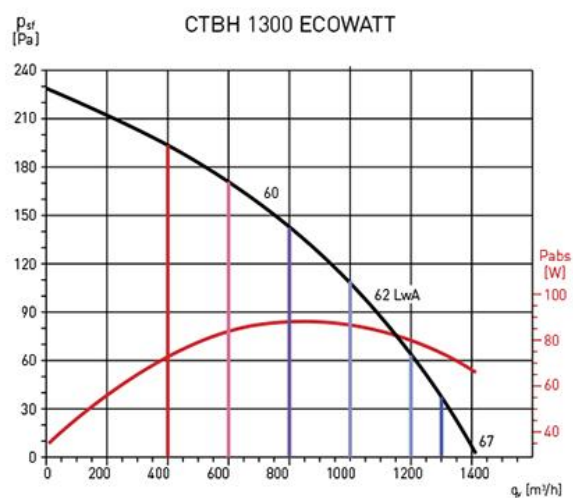
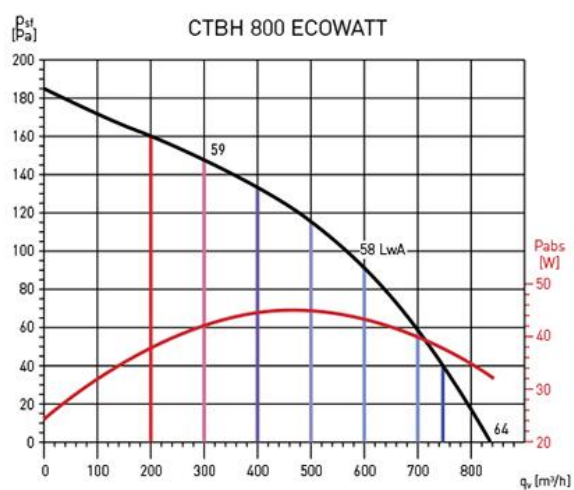
Model	Maximum absorbed current (A)	Maximum absorbed power (W)	Maximum air volume at 40Pa (m³/h)	Weight (Kg)	Sound pressure level 70% of the maximum airflow - 40Pa (dB(A))	
					Inlet	Radiated
CTBH/4-500/200 ECOWATT	0,19	27	500	7	51	57
CTBH/4-800/250 ECOWATT	0,32	47	800	8,5	58	64
CTBH/4-1300/315 ECOWATT	0,62	91	1.300	10	58	63

Adjusting operation according to temperature

Number of storeys in the building	Working temperature
1 to 5	> 0°C
6 to 10	> 5°C
11 to 15	> 10°C
≥ 16	> 15°C

Curves

-
- Graph showing the relationship between static pressure p_s [Pa] (Y-axis, 0 to 160) and air flow rate q_v [m³/h] (X-axis, 0 to 500) for the CTBH 500 ECOWATT unit.
- The graph includes a black curve representing the static pressure p_s and a red curve representing the absolute power P_{abs} . Vertical lines indicate the air flow rate corresponding to specific sound power levels (L_{wA}):
- 55 L_{wA} (indicated by a purple vertical line at approximately 300 m³/h)
 - 57 L_{wA} (indicated by a blue vertical line at approximately 450 m³/h)



Model	D1	D2	L1	L2
CTBH-500 ECOWATT	410	200	156	242
CTBH-800 ECOWATT	470	250	179	266
CTBH-1300 ECOWATT	470	315	202	288