

# TURBULATOR HTS EC

Recirculation Fan

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**ELTA**



# TURBULATOR HTS EC

## Product Overview

**The Turbulator range of recirculation fans provide constant airflow and are suitable for all year round ventilation.**

**Its strong construction was designed specifically for long service life in poultry, dairy and horticulture, removing condensation and providing evenness of temperature and humidity.**

The Elta EC Turbulator is a durable circulation fan, designed specifically for agriculture and horticulture. Its compact, profiled galvanised casing with Zintec internal components, ensuring long-lasting resistance to corrosion in the toughest farm environments.

Powered by an aluminium-framed, permanent magnet, electronically commutated motor, the Elta EC Turbulator achieves IE6 efficiency levels—the highest on the market. This means it offers 20% fewer energy losses compared to IE5 motors, as per the IEC TS 60034-30-2 standard for variable speed electric motors.

An internal air rectifier straightens and smooths the air flow, delivering an exceptional throw. This makes the fan ideal for a range of farm applications, from drying bedding in multi-tiered poultry housing to creating uniform climates in greenhouses and providing spot cooling and fly control for cattle in holding areas.

The 6-bladed, balanced Elta impeller has been rigorously tested, both in our lab and on farms, to ensure it moves high volumes of air with minimal vibration. Additionally, its compact design and small footprint reduce shadows in greenhouse applications, promoting better light distribution for plant growth.

- Control of insects in the summer months — many insects and flies are discouraged by the constant airflow created by the circulating fans
- Provides a reduction in livestock heat stress, thereby reducing veterinary expenses
- Air circulation results in improved root growth and a healthier plant in horticulture applications
- Improved evaporation of moisture in the air eliminates condensation on walls and ceilings in winter
- Excellent for milking parlour cooling
- Excellent for circulating air in multi-tiered poultry houses, helping to dry litter in hard to reach areas
- Compact casing with a small footprint minimizes shadows in greenhouse applications.



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## Performance, SFP & Electrical Data

Single Phase 220V to 277V / 50Hz or 60Hz

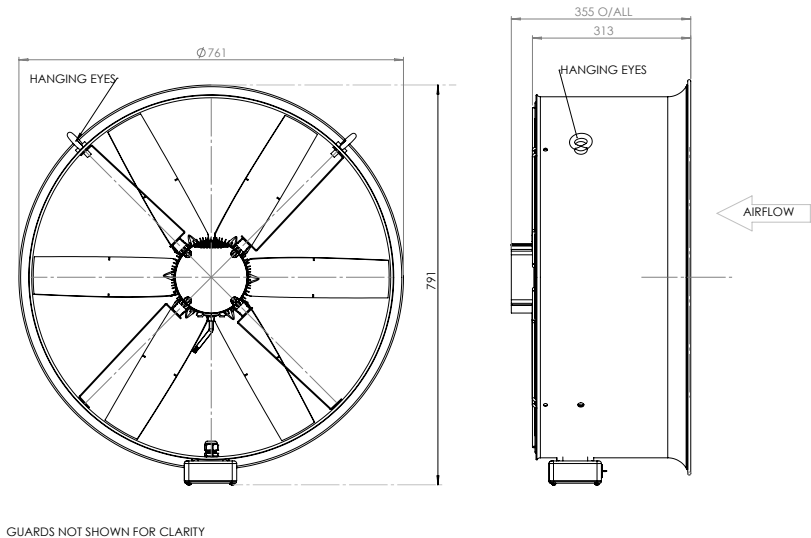
Model Number	Speed (r/min)	Airflow SFP	Airflow m³ / s @ Static Pressure Pa								Overall Eff %	Input kW	Amps F.L.	*Throw (M)	Thrust		dBA @ 3m	
			0	25	50	75	100	150	200	250					N	lbf		
CT710-1EC	1140	m³ / s	4.014	3.682	3.149	-	-	-	-	-	51.4	1.087	7.62	26.1	48.8	10.7	Break Out	67
		W / (L/s)	0.26	0.29	0.34	-	-	-	-	-								
	965	m³ / s	3.333	2.786	-	-	-	-	-	-	45.0	0.596	4.36	24.7	33.7	8.8	Break Out	65
		W / (L/s)	0.18	0.20	-	-	-	-	-	-								

\* Throw termination @ 0.5m/s  
Overall static efficiency and r/min values are as per ISO 12759 installation category "A"

## Dimensions

Model Number	A	B	C	D	Weight (kg)
CT710-1EC	761	791	355	313	33

Dimensions in mm.





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