

TURBOCLEAN

Fan & Dust Extraction for Svegma Grain Dryers



Horizontal Turboclean

WHY BDC SYSTEMS?

SALES & DESIGN

We offer a full range of post-harvest equipment from world-leading manufacturers. Our sales team covers the entire UK and Ireland, and are highly experienced in designing and specifying systems for new-build and plant extensions on an agricultural and industrial scale.

TECHNICAL SUPPORT

As well as after-sales support, our technical support department has an enviable knowledge of all aspects of grain drying, storage, cleaning and conveying.

SPARES

We keep in stock a wide range of commonly required spare parts and ducting for much of the equipment we supply. This can be dispatched quickly by carrier or on our own transport for local customers. Items not carried as standard stock can be sourced quickly from the original manufacturers.

The Akron / Svegma **Turboclean** is a combined fan and extraction unit intended to separate dust from contaminated air in grain drying and similar applications. The Turboclean is available in three capacities - 15, 22 and 30kw and either vertical or horizontal mounting configurations.

The dust extraction is achieved by centrifugal force pushing dust particles to the outside of the casing where they are skimmed off into the outer scroll leading to the cyclone.

The cleaned exhaust from the cyclone is recirculated back to the Turboclean inlet and the dust drops out of the bottom of the cyclone.

The separation efficiency, which depends on the particular airflow and particle size, has been tested by the Technical Research Institute of Sweden and is under normal flow conditions about 95% for visible particles.

The fan casing and separation unit are made from hot dip galvanised steel and the impeller is wet painted steel. Other components are zinc coated.

The impeller in the Turboclean is a diagonal impeller with particularly high efficiency and low noise. The impeller, which has backward curved blades is both statically and dynamically balanced and mounted directly onto the motor shaft.

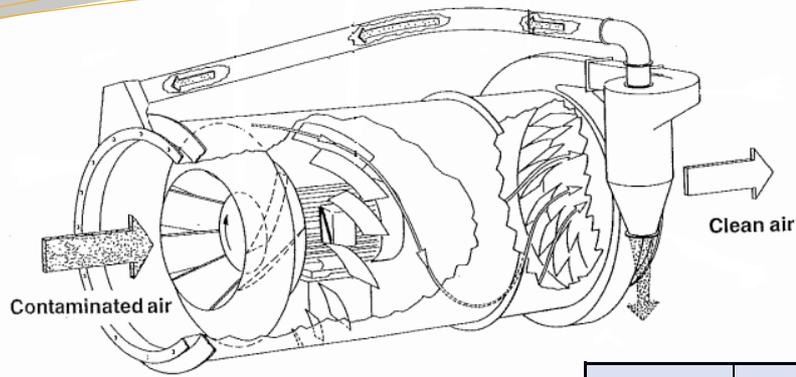
Any wire guard for the Turboclean fan unit's inlet or outlet side is an accessory. A wire guard must be fitted if the fan unit is installed in a way that makes the moving parts accessible.

Accessories: flanges, vibration absorbers, flexible spigots, wire guard.



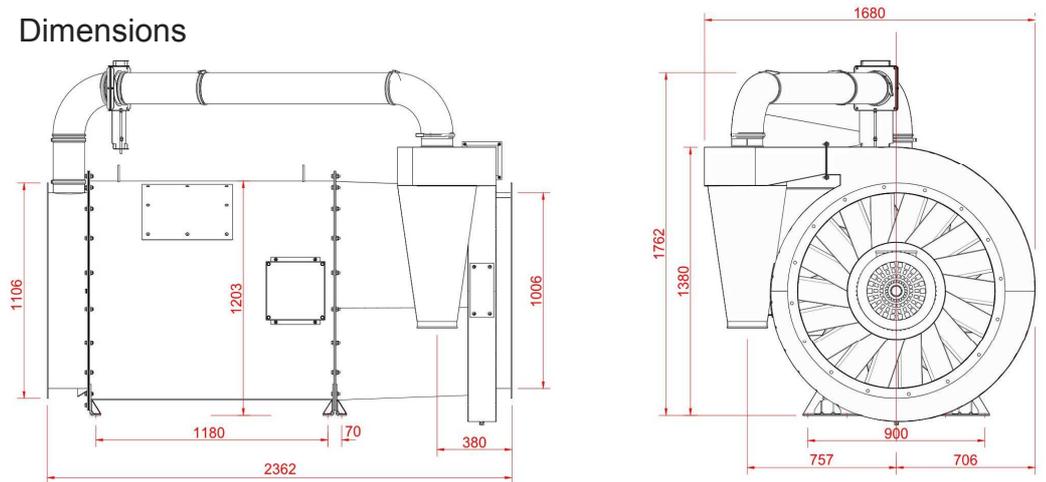
Turboclean units on a Svegma Grain Dryer.

TECHNICAL

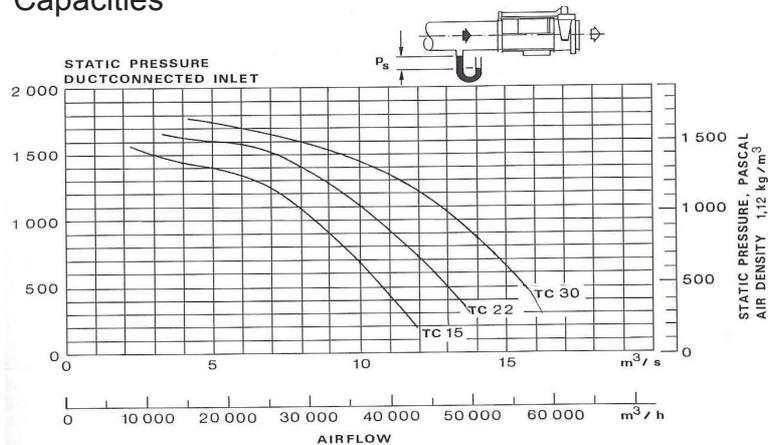


Size	kW	Amp (400V)	Speed rpm	Weight kg
15V & 15H	15	28	1460	510
22V & 22H	22	40	1465	570
30V & 30H	30	54	1475	665

Dimensions



Capacities



DRYING:

- ◆ Svegma Continuous Flow or Batch Grain Dryers
- ◆ Drying Silos

HANDLING:

- ◆ Skandia Elevators & Conveyors
- ◆ Silo Discharge Systems

STORAGE:

- ◆ Hopper Bottom Square Silos
- ◆ Lorry Loading Silos
- ◆ Round Silos
- ◆ Square Silos

VENTILATION

- ◆ Low Cost Galvanised Steel Air Stacks
- ◆ Fans
- ◆ Corraduct Laterals
- ◆ Multibar Laterals
- ◆ Drive-Over Laterals
- ◆ Kool-It Airspears
- ◆ Grain Butler Self Propelled Stirring Auger

CLEANING

- ◆ Skandia Dust & Chaff
- ◆ Aagaard Pre-Cleaners
- ◆ Zanin Cleaners
- ◆ Denis Cleaners
- ◆ President Cleaners

**The Ultimate
in Grain Care**



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