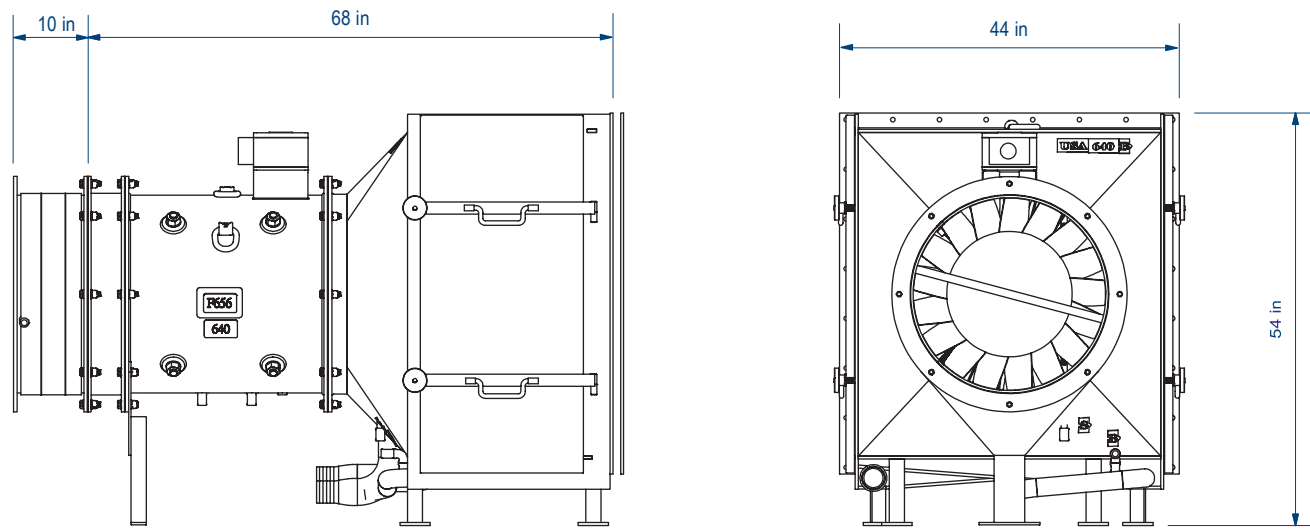


## GENERAL SPECIFICATIONS & DIMENSIONS



**Fan Motor:** 3 phase, 72 hp, 480/520V, 60 Hz

**Total weight:** 2,661 lb

**Water flow requirements:** 8 gal/min at 70 - 75 psi

**DCT**  
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# MkII - in line Wet fan SCRUBBER 22000



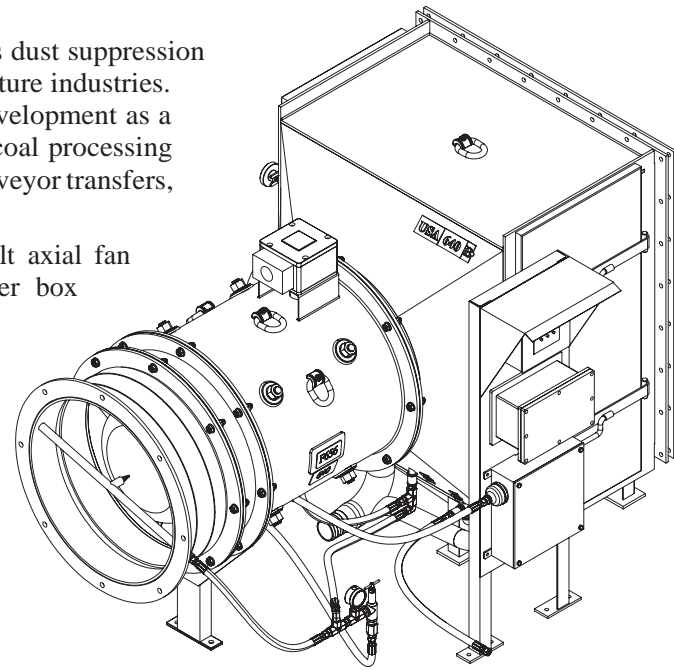
CDC International's in line design with compact size, low power and water consumption, lower weight, easy maintenance and great performance, gives the worlds most efficient axial fan in line wet scrubber.

CDC International (Pty) Ltd originated out of 20 years dust suppression and air cleaning experience in the mining and manufacture industries. The MkII 640-22000 wet fan scrubber is our latest development as a stand-alone wet scrubber unit is designed to work in coal processing environments above ground on applications such as conveyor transfers, crusher areas, screening plants, etc.

The 2010 'MkII-22000' wet scrubber is a purpose built axial fan dynamic scrubber with an in-line motor and scrubber box providing 22000 CFM.

The in line design with compact size, low power and water consumption, lower weight, easy maintenance and great performance, gives the worlds most efficient axial fan in line wet scrubber.

The unit encompasses a water hose assembly with pressure regulator, back flush system, pressure gauge and monitoring system.



**The long life, low maintenance electric motor is certified for 'Class 2 Division 1 Category F' and MSHA certified.**

## MONITORING SYSTEM

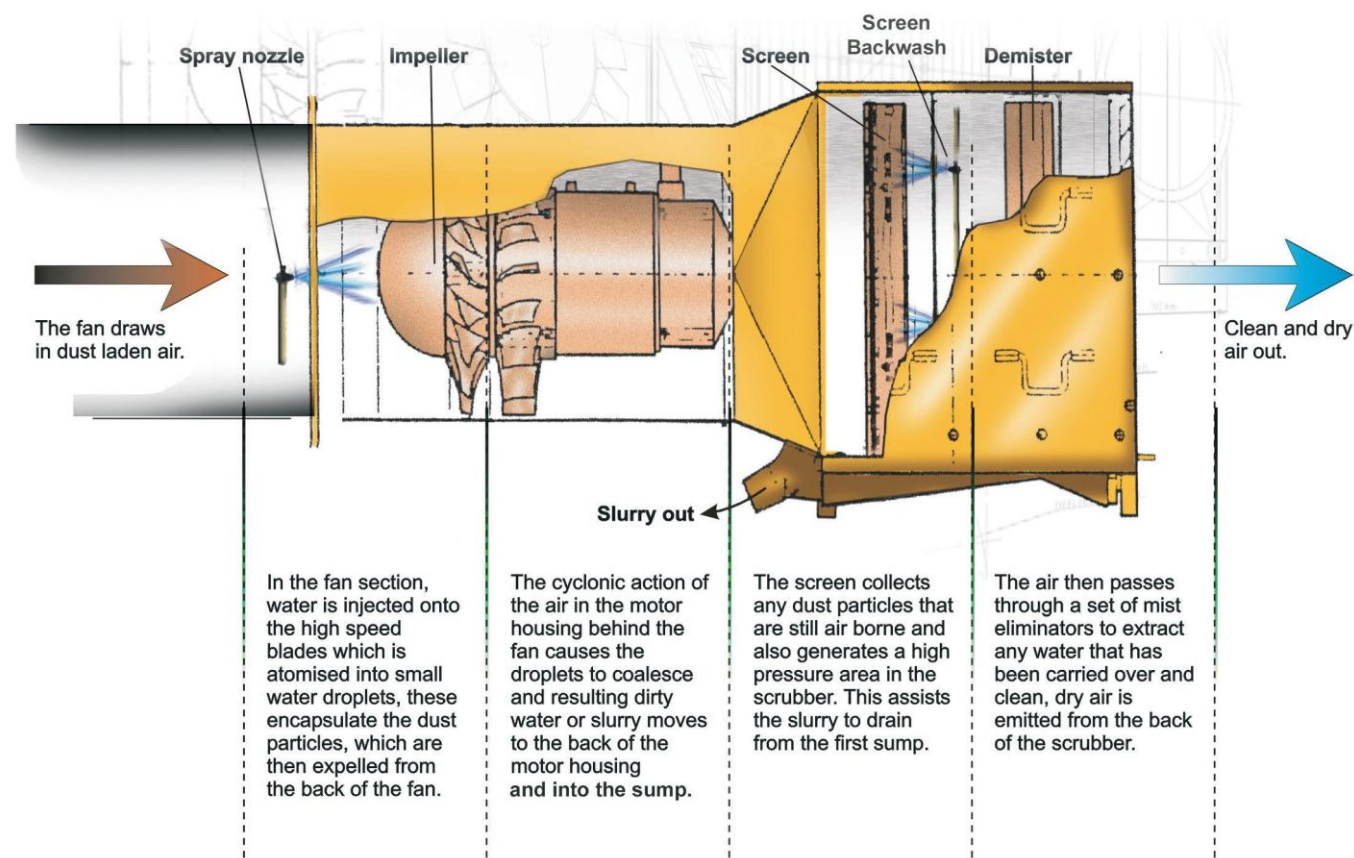
The Monitech "AquaGuard" water pressure, water flow, motor vibration and bearing heat monitoring system is specifically designed to work in-line with the MkII CDC International scrubber to minimise potential failure of the motor and assist in maintaining optimum operating conditions during dust suppression.

- Scrubber units shipped with a fully wired and mounted Aqua Guard monitoring system
- Water flow and pressure monitoring
- Fan motor has built in RTD & PTC sensors
- Newly potted control elements to minimise negative impacts of extreme weather conditions
- RTD & PTC monitoring\*
- Vibration sensors optional\*
- New look display panel\*
- Extra channel\*

\*Will be available in 2011 following IS approval

The all- new wet fan scrubber boxes were developed using state of the art computer simulations programs to design a high efficiency, low inertia axial fan driven by an all-new water cooled electric motor, coupled to CDC' highly efficient mist eliminator vanes to produce a compact, low weight scrubber box with low power and water consumption to give high performance and efficiency. The design allows for easy installation and maintenance and fast change of the fan assembly should this become damaged.

## OPERATING PRINCIPLES



## PERFORMANCE CURVE

