Everything starts with a process…

Daltec Canadian Buffalo Manufacturing Ltd

Who We Are:

- A 100% wholly owned Canadian Company
- Daltec established in 1984, DCBM in 2007
- Head Office located in Guelph.
- Engineering, Design and Fabrication in Guelph.
- Agents located in Canada, USA, Chile & China.

What we do…

- Manufacture a complete line of air moving equipment.
- Daltec offers pre-engineered industrial, centrifugal, axial and OEM fans
- Canadian Buffalo offers a complete custom Engineered solution that is specifically designed for the customers application considering all process and environmental factors
- DCBM offers a complete field service package for fans and blowers, including on-site balancing, vibration analysis, rotor rebuilds and repairs for both our own and competitors fans.
- Manufacture in a wide variety of materials including, high strength steels, stainless steels, FRP, aluminum, abrasion resistant steels, overlay materials, Hastelloy, Inconel, Monel, Titanium, etc.

Markets we serve…

DCBM has experience to service a wide spectrum of markets, each of which has its own specific demands on the design of the product.

These markets include but are not limited to the following:

- Boiler and Dust Collector Manufacturers.
- Cement Industry.
- Power Generation.
- Chemical, Petro-chemical and Pharmaceutical.
- Pulp and Paper Industry.
- Iron and Steels Mills.
- Mining and Ore Refining.
- Heating and Ventilating Systems.
- Original Equipment Manufacturers.

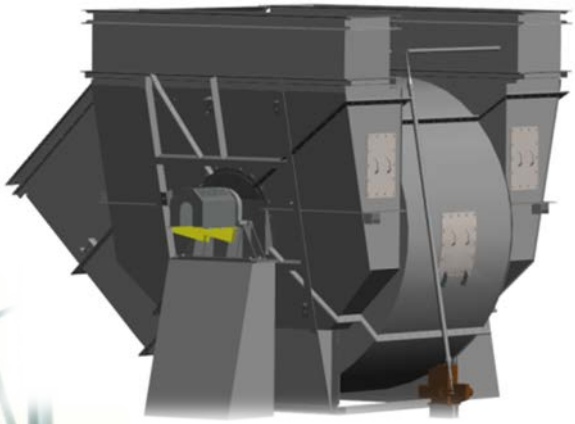
Engineering & Technology

Design

Solid modeling for improved accuracy – Solidworks

Computerized shaft and bearing selection

Over 80 years combined fan design experience



Engineering & Technology

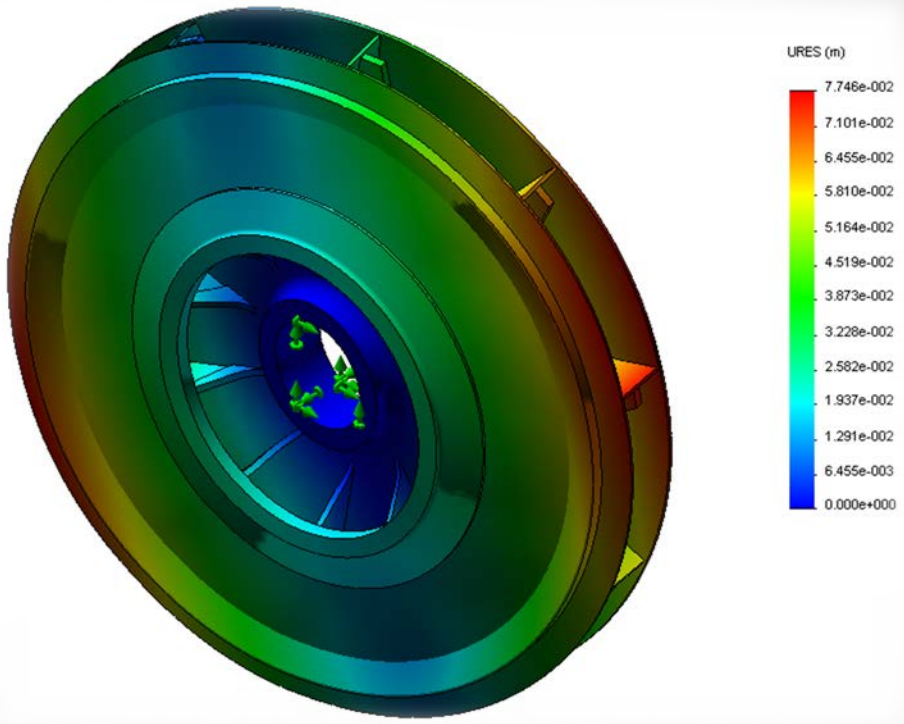
Analysis

FEA

- Stress
- Frequency
- Modal
- Transient Torsional
- Fatigue

Torsional analysis

Bump Test

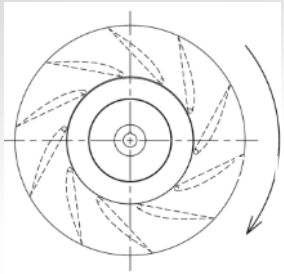


Canadian Buffalo Product Line

Full line of tested and proven Centrifugal fans.

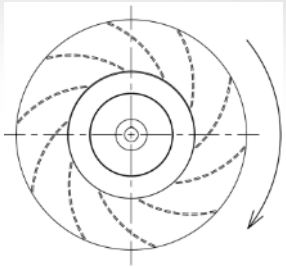
- Fan Impellers up to 50000 feet/min tip speed.
- Fan Impellers up to 150” diameter.
- Fans to meet API 560 and 673 Specifications.
- High Temperature construction up to 1250 deg. F operation.
- Special designs for temperature gradient requirements of up to 150 deg. F/minute temperature rise (Yankee Dryer fans).

Centrifugal Wheel Designs



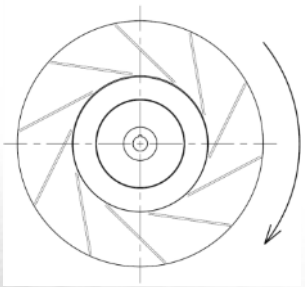
AIRFOIL TYPE DIAF

•Double skin non-overloading airfoil blades
•Up to 85% maximum static efficiency
•Dust loads up to 1 grain/scf (2.3 grams/nm)
Typical Applications:
•Boiler FD/ID Fans
•Mine and tunnel ventilation



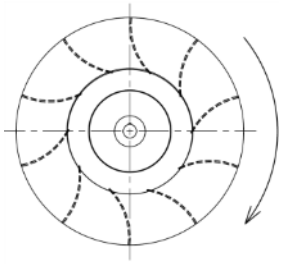
BACKWARD CURVED TYPE DSTA/DBCP

CharaCurved non-overloading airfoil blades
•Up to 82% maximum static efficiency
•Dust loads up to 6 grain/scf (14 grams/nm)
Typical Applications:
•Mechanical draft and process fans
•Bag house exhaust fans



BACKWARD INCLINED TYPE BI

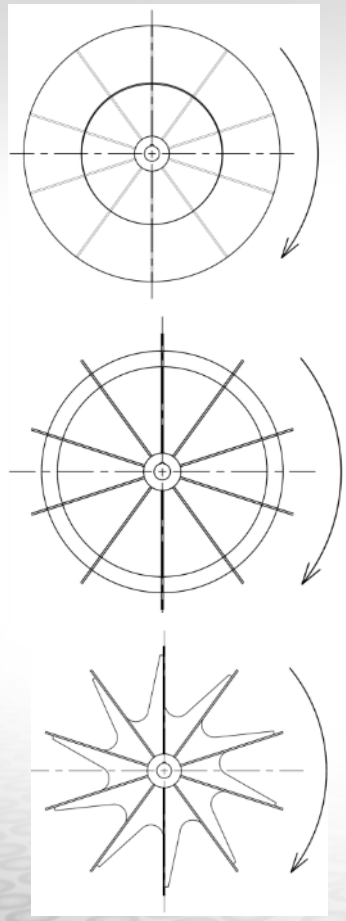
•Backward inclined non-overloading flat blades
•Up to 78% maximum static efficiency
•Dust loads up to 9 grain/scf (21 grams/nm)
Typical Applications:
•Mechanical draft and process fans
•Flue gas desulfurization plants
•Bag house exhaust fans



RADIAL TIPPED TYPE DRT

•Forward curved radial tipped blades
•Up to 74% maximum static efficiency
•Dust loads up to 25 grain/scf (57 grams/nm)
Typical Applications:
•Gas re-circulation fans, pelletizing plants
•Sintering plant fans, cement kiln ID fans
•Process streams with high dust loads

Centrifugal Wheel Designs



SHROUDED RADIAL TYPE DRBS

•Shrouded flat radial bladed design
•Up to 70% maximum static efficiency
•Dust loads up to 40 grain/scf (92 grams/nm)
Typical Applications:
•Metals/iron processing fans.
•High pressure fans, seal air fans

RADIAL OPEN TYPE DRBO

•Open radial design
•Up to 62% maximum static efficiency
•Dust loads up to 100 grain/scf (230 grams/nm)
Typical Applications:
•Coal dust conveying fans .
•Cement processing fans.
•General exhaust fans

Process Fan Applications

Corrosive Applications

- Mineral Salt Processing
- Acid Plants Cleaning
- HCl and $S0_2$ Scrubbing

Features:

- Special Alloys and FRP
- Teflon Shaft Seals
- Low Leakage Const.
- EPDM/Teflon Gasket Materials

DSTA 650 Sr. 3057 Cl. 35K DWDI, Backward Curved, Arr't 3D

83,300 cfm, 52.0 in wg SP, 100 F° 1715 rpm , 804 BHP

Hastelloy C-276 Construction

DRBS 1148 Sr. 42 SWSI, Radial Bladed Fan, Arr't 8A

30,700 cfm, 69 in wg SP, 3600 rpm,510 BHP ,

Titanium Impeller - FRP Casing

High Pressure Applications

- Baghouses
- Acid Plants
- High Altitude Installations
- Flotation
- Gas Sealing

Features:

- High Speed Rotor Designs
- Special Bearings

DRBS-2200 SR.25R DWDI, Radial Bladed Fan, Arr't 7

32,500 cfm, 149 in wg SP at STP, 1785 rpm and 585 BHP

Carbon Steel Construction

DRBO-1060 x 2 SR.13, 2-Stage Blower
6,500 cfm, 84 in wg SP, 2950 rpm 153 BHP

Hastelloy C-276 w/ FRP Casing

DBCP 485 SR.35 DWDI, Backward Curved Arr't 3B

34,500 cfm, 117 in wg SP, 2950 rpm, 700 BHP

Carbon Steel Construction

High Temperature Applications

- Boiler ID Fans
- Cement Kilns
- Furnace ID

Features:

- Centerline Casing Supports
- Radiation Shields
- Heat Flingers
- Increased Tolerances

DRBS 2316 SR.47 SWSI, Radial Bladed Draft Fan, Arr't 7B

92,000 cfm, 29.0 in wg SP, 650 F°, 1190 rpm and 602 BHP

Carbon Steel Construction

Dusty Applications

- Bag Houses
- Cement Plants
- Blast Furnace Exhaust
- Scrubbers

Features:

- Blade Wear Protection
- Casing Wear Liners
- Chromium Carbide
- Q&T Steels
- Ceramic Coatings

130” dia. Backward Inclined DWDI – Rotor Rebuild,

Carbon Steel w/ Chromium Carbide Wearplates

DRBO 1540-85% SR.20, Radial Bladed Exhaust Fan, Arrangement 7B

20,000 cfm, 60.0 in wg SP, 80 F° Density 0.071 lb/ft^3 , 1750 rpm and 325 BHP

Carbon Steel w/ Chromium Carbide Wearplates

ID Fans Applications

- Power Boilers
- Baghouses
- Cement Plants

Features:

- High efficiency Blade Designs
- Low Dust Accumulation
- Easy Maintenance

DIAF 1028 Sr.3080 SWSI, Airfoil Bladed Fan

195,000 cfm, 23 in wg SP, 870 rpm 900 BHP

Carbon Steel Construction w/ Noise Insulation

DIAF 770-3130-95 DWDI, Airfoil Bladed Fan

275,000 cfm, 17.0 in wg SP, 120 F°,1180 rpm and 871 BHP

Carbon Steel Construction

FD Fans Applications

- Power Boilers
- HRSG Dilution

Features:

- Inlet Filters
- Inlet Silencers & Rainhoods
- Inlet Stacks
- High Efficiency Rotor Designs

DIAF 691-3095-100 SWSI, Airfoil Bladed Draft Fan, Arrangement 3A
120,555 cfm, 35.0 in wg SP, 100 F° 1475 rpm and 734 BHP

Carbon Steel Construction

DIAF 745-3130-100 DWDI, Airfoil Bladed

335,000 cfm, 12.5 in wg SP, 104 F° Density 980 rpm and 992 BHP,

A36 and A242 Carbon Steel Construction

Commitment to Excellence

- DCBM is an ISO 9001-2008 registered company.
- DCBM is certified as a CWB certified shop to W47.1 - 1998 welding standard (Equivalent to AWS D1.1 and D14.6 standards).
- DCBM is a member of the Air Movement and Control Association (AMCA).

Daltec Canadian Buffalo Manufacturing ltd

Two Great Names, One Great Company!