

# INLINE CENTRIFUGAL & MIXED FLOW FANS



## OVERVIEW



Model QSL  
General HVAC

### INLINE CENTRIFUGAL & MIXED FLOW FANS

Inline centrifugal and mixed flow fans are designed for general HVAC and industrial applications where large volumes of clean air are required at low to moderate pressures. Inline centrifugal and mixed flow fans provide the performance of a centrifugal fan with the space saving advantages of an axial-type fan. With a variety of designs to choose from, these fans offer the flexibility to meet the performance and application requirements at very high efficiencies.

### WHEEL TYPES

Backward Inclined, Backward Inclined Airfoil, Single Surface Mixed Flow and true Airfoil (double surface – hollow) Mixed Flow

### TYPICAL INDUSTRIES

General HVAC (exhaust, filtration, return and supply, air of commercial buildings), Air Pollution Control, Automotive, Chemical, Fertilizer, Food & Beverage, Laboratory Exhaust, Metal & Mineral Processing and Water & Wastewater Treatment

### COMMON ACCESSORIES

Access Doors, Belt Guards, Belt Tube, Companion Flanges, Disconnect Switches, Inlet/Outlet Screens, Inlet Vanes, Piezometer Ring Airflow Measurement System, Pressure Transducers, Special Coatings, Vibration Isolation and Weather Covers

### OPTIONAL CONSTRUCTION

Spark Resistant Construction (Type A B and C), Easy Access Construction

### CERTIFICATIONS

AMCA Sound/Air and FEG, UL 705 Listed for Electrical, UL 762 Listed for Grease Laden Air, UL Listed for Smoke Control Systems, OSHPD Seismic Preapproval per OSP-0271-10



Model DSI  
Data Center Exhaust



Model QSL  
Spray Paint Booth Exhaust



## DSI

SQUARE INLINE CENTRIFUGAL FANS, DIRECT DRIVE

- > 8 to 16.5 inches (205 mm to 420 mm) wheel diameters
- > Airflow to 5,800 CFM (9,900 m<sup>3</sup>/hour)
- > Static pressure to 2 inches w.g. (500 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation, Odor Control, Restroom Exhaust



Available For  
Quickship



CATALOG 4205

## BSI

SQUARE INLINE CENTRIFUGAL FANS, BELT DRIVEN

- > 8 to 40.25 inches (205 mm to 1,025 mm) wheel diameters
- > Airflow to 27,400 CFM (46,600 m<sup>3</sup>/hour)
- > Static pressure to 3.5 inches w.g. (870 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation, Odor Control, Restroom Exhaust



Available For  
Quickship



CATALOG 4205

## TCLB

TUBULAR INLINE CENTRIFUGAL FANS, BELT DRIVEN

- > 10.5 to 49 inches (270 mm to 1,245 mm) wheel diameters
- > Airflow to 41,700 CFM (70,800 m<sup>3</sup>/hour)
- > Static pressure to 4 inches w.g. (990 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation, Odor Control, Waste Water Treatment



Available For  
Quickship



CATALOG 4215

## TCLBR

TUBULAR INLINE RESTAURANT CENTRIFUGAL FANS  
UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 10.5 to 49 inches (270 mm to 1,245 mm) wheel diameters
- > Airflow to 41,700 CFM (70,800 m<sup>3</sup>/hour)
- > Static pressure to 4 inches w.g. (990 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



Available For  
Quickship



CATALOG 4215

# INLINE CENTRIFUGAL & MIXED FLOW FANS



CATALOG 1001

## TSL

TUBULAR INLINE CENTRIFUGAL FANS

- > 12.25 to 89 inches (315 mm to 2,265 mm) wheel diameters
- > Airflow to 221,700 CFM (376,700 m<sup>3</sup>/hour)
- > Static pressure to 9 inches w.g. (2,240 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation, Odor Control, Waste Water Treatment



CATALOG 1070

## QCLB

LOW PRESSURE MIXED FLOW FANS

- > 12.25 to 73 inches (315 mm to 1,855 mm) wheel diameters
- > Airflow to 105,000 CFM (178,400 m<sup>3</sup>/hour)
- > Static pressure to 4.5 inches w.g. (1,120 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Data Center Exhaust, General HVAC, Generator Room Ventilation



CATALOG 1070

## QCLBR

LOW PRESSURE RESTAURANT MIXED FLOW FANS

UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 12.25 to 73 inches (315 mm to 1,855 mm) wheel diameters
- > Airflow to 105,000 CFM (178,400 m<sup>3</sup>/hour)
- > Static pressure to 4.5 inches w.g. (1,120 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust, Dishwasher Exhaust



CATALOG 1070

## QCLBSH

LOW PRESSURE SMOKE & HEAT MIXED FLOW FANS

UL LISTED FOR SMOKE CONTROL SYSTEMS

- > 12.25 to 73 inches (315 mm to 1,855 mm) wheel diameters
- > Airflow to 105,000 CFM (178,400 m<sup>3</sup>/hour)
- > Static pressure to 4.5 inches w.g. (1,120 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL listed for Smoke Control Systems
- > **Typical Applications:** Elevator Shaft Exhaust/Pressurization, Emergency Smoke Exhaust, Stairwell Pressurization



## QSL

### QUIET MIXED FLOW FANS

- > 18.25 to 89 inches (465 mm to 2,260 mm) wheel diameters
- > Airflow to 160,000 CFM (271,800 m<sup>3</sup>/hour)
- > Static pressure to 8 inches w.g. (1,990 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 705 listed
- > **Typical Applications:** Air Handling Units, Data Center Exhaust, General HVAC, Generator Room Ventilation, Paint Booth Exhaust



CATALOG 1060

## QSLR

### QUIET MIXED FLOW RESTAURANT FANS

#### UL 762 LISTED FOR THE EXHAUST OF GREASE LADEN AIR

- > 18.25 to 89 inches (465 mm to 2,260 mm) wheel diameters
- > Airflow to 160,000 CFM (271,800 m<sup>3</sup>/hour)
- > Static pressure to 8 inches w.g. (1,990 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL 762 listed for Grease Laden Air
- > **Typical Applications:** Kitchen Exhaust



CATALOG 1060

## QSLSH

### QUIET MIXED FLOW SMOKE & HEAT REMOVAL FANS

#### UL LISTED FOR SMOKE CONTROL SYSTEMS

- > 18.25 to 89 inches (465 mm to 2,260 mm) wheel diameters
- > Airflow to 160,000 CFM (271,800 m<sup>3</sup>/hour)
- > Static pressure to 8 inches w.g. (1,990 Pa)
- > AMCA licensed for Sound, Air and Fan Efficiency Grade
- > UL listed for Smoke Control Systems
- > **Typical Applications:** Elevator Shaft Exhaust/Pressurization, Emergency Smoke Exhaust, Stairwell Pressurization

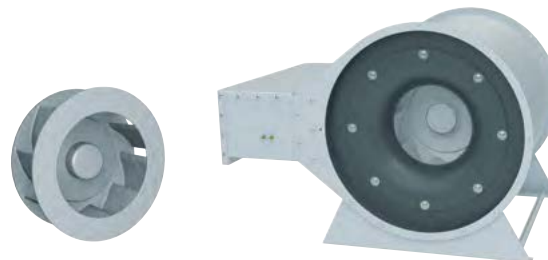


CATALOG 1060

## ILCF

### FIBERGLASS INLINE CENTRIFUGAL FAN

- > 12.4 to 39.4 inches (315 mm to 1,000 mm) wheel diameters
- > Airflow to 35,900 CFM (61,000 m<sup>3</sup>/hour)
- > Static pressure to 7 inches w.g. (1,740 Pa)
- > **Typical Applications:** Chemical/Corrosive Environments, Exhaust Applications, Water Treatment, Air Pollution Control, Process Air, High Moisture Environments



CATALOG 430

# SALES CONTACT



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