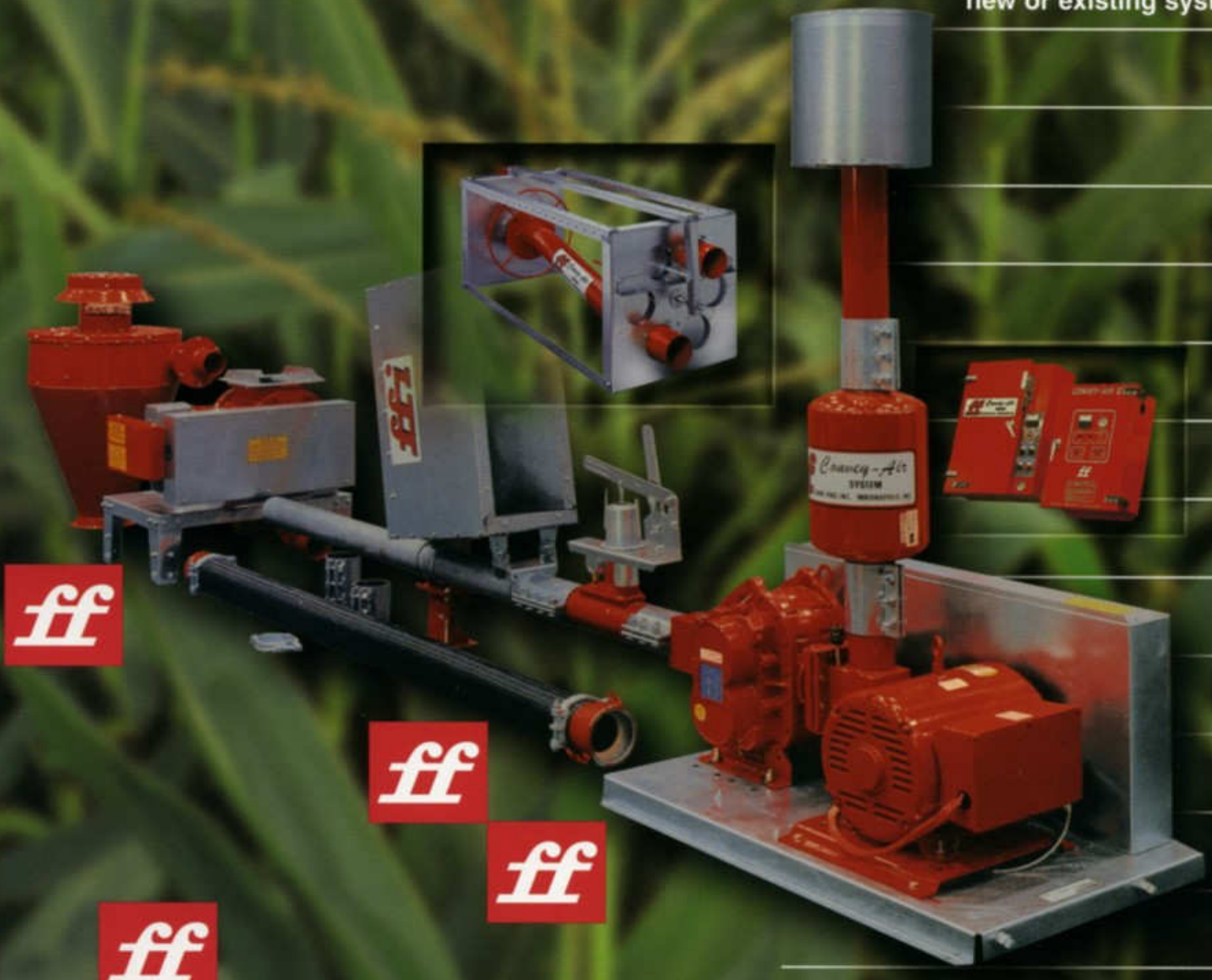


Convey[®] AIR

The safe, economical way to move grain and maintain quality

Convey-Air is a positive pressure pneumatic grain handling system that is commercially designed with heavy duty, long-life, low maintenance components. The system consists of a blower unit, an airlock unit and a control panel. Convey-Air can move grain in excess of 400 feet to storage bins or from the wet holding tank to the dryer, or from a surge bin to permanent storage, and can be incorporated into any new or existing system



BASIC COMPONENTS AND OPERATIONS



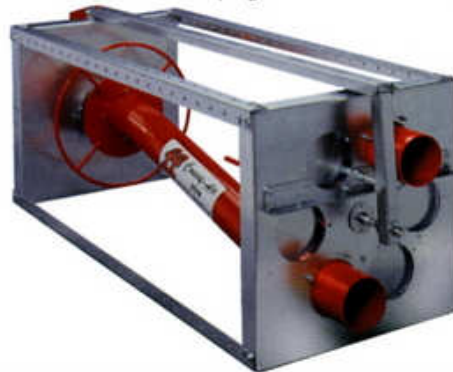
The blower unit (1) consists of a positive displacement rotary blower and an electric motor with a shielded belt drive, mounted to a common galvanized base.

The airlocks (2) meters the grain through the conveying tubes at a rate compatible with the blower capacity.

The rugged, galvanized conveying tubes (3) and pre-formed, long radius elbows are connected by "compression-type" in-line coupling.

CA SELECT®

This pneumatic distributor routes grain to six different bins from one location and can be installed in a vertical or horizontal application. In either configuration one person can easily and quickly re-route the grain direction to any one of six outlet tubes. The "CA Select" comes standard with two outlet tubes.



COMMON ACCESSORIES



Female and male in-line Camlock Couplers; end plugs are available.



Velocity compensator valve constantly senses the air pressure and automatically bleeds off excess air.



Above roof cyclones decelerates the grain and separates it from the air stream. Under roof, drop through, model cyclone are also available.



Compression couplers are used to connect tubing and elbows. The rubber seal ensures an airtight connection.



Velocity compensator valve silencer reduces operating noise.

Pump silencer helps reduce operating noise.



Convey-Air®



The control panel is fully equipped for total automation. It constantly monitors and provides an automatic safety response if conveying pressures become abnormal. An ammeter monitors blower operation and allows "fine tuning" for maximum capacity.



The positive displacement blower unit provides air flow that carries the grain through conveying tubes to the storage facility. The blower is belt driven, and available in single or three phase.



The airlock unit consists of a solid steel, eight-vane rotor, an electric motor, and discharge transition, all mounted on a galvanized base plate.

Convey-Air II®



The control panel is fully equipped for total automation. It constantly monitors and provides an automatic safety response if conveying pressures become abnormal.



The positive displacement blower unit provides air flow that gently carries the grain through conveying tubes to the storage facility.



The airlock unit consists of a solid steel, eight-vane rotor and discharge transition, all mounted on a galvanized base plate.

Model	Conveying Tube Diameter	Capacity ¹ Bu./Hr.	Phase	Voltage	Blower		Airlock		
					Horsepower	RPM	Horsepower	Motor RPM	Operating ² 2 RPM
CA-312	3"	400	1	230	10	2480	1/2	1750	19-31
CA-332	3"	400	3	230	10	2460	1/2	1750	19-31
CA-334	3"	400	3	460	10	2480	1/2	1750	19-31
CA-412	4"	700	1	230	15	2830	3/4	1750	19-31
CA-432	4"	700	3	230	15	2830	3/4	1750	19-31
CA-434	4"	700	3	460	15	2830	3/4	1750	19-31
CAH-532	5"	1500	3	230	30	2940	3/4	1750	19-31
CAH-534	5"	1500	3	460	30	2940	3/4	1750	19-31
CAH-632	6"	2100	3	230	50	3260	1	1750	14 to 22
CAH-634	6"	2100	3	460	50	3260	1	1750	14 to 22

¹ Capacities are manufacturer's estimates for dried, shelled corn. Capacities will vary depending upon grain type, moisture content, conveying line length, number of elbows, and elevation.
² Operating RPM of airlock approximate and variable within range stated with motor at 1750 RPM and drive belt in good condition.

Model	Capacity ¹ Bu./Hr.	Item	Phase	Voltage	Tube Dia.	HP
CA2-412	700	Convey-Air II less motor	1	230V	4	15
CA2-432	700	Convey-Air II less motor	3	230V	4	15
CA2-434	700	Convey-Air II less motor	3	460V	4	15
CAH2-432	800	Convey-Air II less motor	3	230V	4	20
CAH2-434	800	Convey-Air II less motor	3	460V	4	20
CAH2-532	1500	Convey-Air II less motor	3	230V	5	30
CAH2-534	1500	Convey-Air II less motor	3	460V	5	30
002-1312-4		Airlock motor	1	230V	--	3/4
002-1313-2		Airlock motor	3	230V/460V	--	3/4
002-1078-1		Blower motor	1	230V	--	15
002-1183-9		Blower motor	3	230V/460V	--	15
002-1184-7		Blower motor	3	230V/460V	--	20
002-1214-2		Blower motor	3	230V/460V	--	20
415-3049-4		Blower drive (CA2-412, CA2-432)				
415-1887-9		Blower drive (CAH2-412, CAH2-432)				
415-3051-0		Blower drive (CAH2-532, CAH2-534)				

¹ Capacities are manufacturer's estimates for dried, shelled corn. Capacities will vary depending on grain type, moisture content, conveying line length, number of elbows, and elevation.



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