



FAN JET AIR DISTRIBUTION SYSTEM



Model RC or RCA



Model RCP

The unique Fan-Jet is a special tube pressurizing fan with curved stationary discharge vanes (stator vanes) that recover the rotational energy of discharging air to increase performance capacity and efficiency.

LOW COST: Fan-Jet powers more air at less horsepower for best results at low operating cost.

QUALITY: Fan-Jet is fully assembled at factory, test run, inspected and then shipped ready to install with brackets and fasteners.

QUIET: Fan-Jet's low sound ratings are an Acme tradition.

**DIRECT DRIVE MODELS - RC 12, 18
 RCP 12, 18, 24**

BELT DRIVE MODELS - RC/RCA 24, 30
 Belt drive models features no-service sealed fan shaft ball bearings captured in a unique casting to maintain proper alignment and spacing.

BUILT TOUGH: The steel model RC is available in 12", 18", 24", and 30" sizes and is rust protected with a metal wash process and a baked-on finish. Aluminum model RCA is available in 24" and 30" sizes and produced from heavy gauge aluminum. The RCP plastic model incorporates ABS plastic construction with a stainless steel frame.

HIGH PERFORMANCE PROPELLERS:
 The propellers are matched to the size, performance and construction of the Fan-Jet. RC fan propellers are welded steel with a baked on finish. RCA fan propellers are welded heavy gauge aluminum (RCP12 propeller is made of polycarbonate attached to a glass reinforced nylon hub with an aluminum hub core.) The RCP18 & 24 are made of heavy stainless steel.

ENERGY EFFICIENT: All motors are totally enclosed, high efficiency design with shielded ball bearings and include thermal overload protection on single phase models.

PERFORMANCE DATA

FAN-JET PERFORMANCE DATA										
Fan-Jet Model	HP	RPM	Tube Size	System CFM	❖ Motorized Shutter Model	Heat Accessory	‡ Heating Capacity With Heat Kit BTU/Hr. Output Heater Temperature Rise of			
							40°	50°	60°	70°
† RC12D4	1/8	1725	12"	1180/780	WAAC1818	NA	NA			
RC18E6	1/4	1160	18"	3120	WAAC2626	HT18	112,000	138,000	163,000	186,000
RC/RCA24F	1/3	735	24"	5420	WAAC3333	HT24	172,000	212,000	250,000	287,000
RC/RCA24F2S	1/3	735/490	24"	5420/2710	WAAC3333	HT24	172,000	212,000	250,000	287,000
RC/RCA30G	1/2	607	30"	8550	WAAC4040	HT30	278,000	342,000	403,000	463,000
RC/RCA30J	1	757	30"	10600	WAAC4040	HT30	345,000	424,000	500,000	574,000
RCP12D4	1/5	1625	12"	1100	WAAC1818	NA	NA			
RCP18B4	1/10	1625	18"	2140	WAAC2626	PHT18	77,000	95,000	112,000	128,000
RCP18F4	1/3	1625	18"	3050	WAAC2626	PHT18	109,000	135,000	159,000	182,000
RCP24G6	1/2	1075	24"	5115	WAAC3333	PHT24	162,000	200,000	236,000	271,000

† RC12D4 has a two-speed motor therefore two different system CFM's
 ❖ Order CAM motorizing kits separately.
 ‡ The output BTU rating for gas fired unit heaters is 80% of their input BTU ratings.

ACCESSORIES



TUBE SELECTION TABLE

12" FAN-JET		18" FAN-JET or 18" INLET		24" FAN-JET or 24" INLET		30" FAN-JET or 30" INLET	
TUBE MODEL	TUBE LENGTH	TUBE MODEL	TUBE LENGTH	TUBE MODEL	TUBE LENGTH	TUBE MODEL	TUBE LENGTH
HFT	10'-20'	HFY	18'-20'	HXX	24'-27'	HKT	39'-42'
HLT	20'-25'	HDY	20'-22'	HJX	27'-30'	HJT	42'-47'
HRT	25'-30'	HCY	22'-25'	HHX	30'-33'	HHT	47'-52'
HLW	30'-35'	HBY	25'-27'	HFX	33'-37'	HFT	52'-58'
HMW	35'-40'	HKN	27'-30'	HDX	37'-41'	HDT	58'-66'
HLY	40'-50'	HJN	30'-33'	HCX	41'-45'	HCT	66'-77'
HRY	50'-60'	HHN	33'-36'	HBX	45'-48'	HKS	77'-84'
HMZ	60'-75'	HFN	36'-40'	HKP	48'-53'	HJS	84'-94'
HRZ	75'-100'	HDN	40'-45'	HJP	53'-59'	HHS	94'-104'
		HCN	45'-50'	HHP	59'-66'	HFS	104'-116'
		HBN	50'-55'	HFP	66'-73'	HDS	116'-129'
		HKA	56'-61'	HDP	73'-81'	HCS	129'-145'
		HJA	61'-68'	HCP	81'-90'	HBS	145'-163'
		HHA	68'-76'	HBP	90'-101'	HKU	163'-183'
		HFA	76'-85'	HKI	101'-112'	HJU	183'-206'
		HDA	85'-96'	HJI	112'-126'	●HHU	206'-232'
		HCA	96'-108'	HHI	126'-142'	HFU	232'-263'
		■HBA	108'-121'	HFI	142'-160'	■HDU	263'-305'
		●HKE	121'-138'	●HDI	161'-182'	HCU	305'-348'
		HJE	138'-154'	■HCI	182'-206'	HBU	348'-405'
		HHE	154'-177'	HBI	206'-233'		
		HFE	177'-205'	HKO	233'-269'		
				HJO	269'-311'		
				HHO	311'-360'		

- Maximum tube length for Fresh Air Convection Tube System.
 - Maximum tube length for Fan-Jet with Heat Kit.
- When 12" tubing is used for Perimeter Heating the Tube Model is prefixed by the letter P.

POLYETHYLENE TUBING

All tubes are engineered for uniform distribution and proper mixing of air to produce the best aerodynamic effect in agricultural buildings.

- Furnished in clear 4 mil thick UV stabilized polyethylene material.
- Each tube is custom punched to match the selected Fan-Jet Unit with each specific house. Since tubes are custom punched, orders already processed or shipped cannot be cancelled or returned for credit.
- Due to normal deterioration and accumulation of dust particles, Acme recommends tubing be replaced annually.

TUBE HANGER SET

Unique hanger clamps onto tubing for easy attachment to overhead support wire with snap ring.



Wire support kits, available in 50', 100', 150', 200', and 300' lengths include six strand 10 gauge wire, turnbuckle and 2 security clips.

- 12" and 18" tubing - space hangers every 10'.
- 24" tubing - space hangers every 8'.
- 30" tubing - space hangers every 6'.

CAUTION! This tubing, for use in agricultural buildings, does not contain fire retardants. Due care should be taken during installation and operation to keep away from open flame.

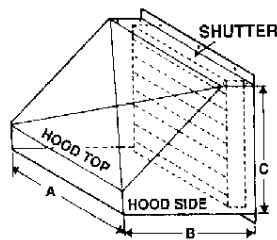
HEAT KITS for overhead heating



CAUTION! To avoid combustion malfunctions when two heaters are used with one Fan-Jet, the minimum heater distance from Fan-Jet opening must be maintained, both heaters must operate simultaneously unless center baffle is used, and the discharge louvers must be directed toward the top of the Fan-Jet opening.

WEATHER HOOD:

Galvanized steel, with bird screen. Flanges fit motorized shutter frames for easy installation.



WEATHER HOOD MODEL	DIMENSIONS			WEIGHT (lbs.)
	A	B	C	
RH12	18"	18"	16"	20
RH18	26"	26"	24"	35
RH24	33"	33"	30"	55
RH30	40"	40"	37"	75

Acme Heat Kits allow use of gas fired, electric, steam or hot water unit heaters without outside air passing through the heat exchanger. When used with Fan-Jet, Heat Kits keep coils and elements out of the air flow route, thus saving energy. Each kit consists of two baffle plates with air scoops attached horizontally to the top and bottom of the Fan-Jet Unit and to the framed opening of the motorized inlet shutter. Kits also come with a Fan-Jet motor shield to prevent heat buildup. A center baffle accessory is included for use when opposing heaters trigger separately, preventing blow-through of hot air and possible motor damage.

*The unit heater louvers should be at the same elevation as the Fan-Jet inlet opening and spaced a proper distance from it, with the axis of the unit heater discharge opening directed toward the Fan-Jet inlet opening. If the heater must be positioned below the level of the Fan-Jet inlet opening to maintain the proper spacing, the louvers should be adjusted to direct the heated air upward toward the top of the Fan-Jet inlet opening.

If the Fan-Jet end of the building is colder than the remainder of the house, this condition usually can be corrected by adjusting one or two of the lower louvers of the heater to a downward position to divert part of the heated air to the end wall area.

CAUTION! Guards are strongly recommended when the fan is installed within seven (7) feet of the floor, working level or within reach of personnel. Guards complying with OSHA regulations are available as optional equipment. Review OSHA Codes and obtain a quotation.



RC fans are listed by the Canadian Standards Association Testing Laboratories as approved.

The products shown on this brochure are covered by a limited warranty. For a complete copy of the warranty of the warranty statement see Catalog ACS27 or write to Acme Engineering & Manufacturing Corp., P.O. Box 978, Muskogee, OK 74402.