



Breeza Fans U.S.A.

301 Hwy 34, Utica, NE 68456 Phone: (402)534-2015 Fax: (402)534-3402

The New Choice in Air Movement

INSTALLATION INSTRUCTIONS FOR BREEZA FANS

The Breeza Fan has been manufactured and tested for operation within certain parameters. **DO NOT ATTEMPT** to install this fan assembly unless you have proper equipment and adequate experience.

- (a) **Minimum Clearance:** When mounting this fan it is important that the fan be physically inspected and measured for adequate clearance. Composite fan blades (glass reinforced nylon & polypropylene) tend to flex especially during acceleration/deceleration. You should maintain the following minimum clearance unless otherwise specified by the manufacturer:

	<u>Fan Diameter Range</u>		
	<u>Under 24"</u>	<u>25" to 36"</u>	<u>37" to 48"</u>
Air intake (front) side of fan:	1.00"	1.50"	2.00"
Air discharge (rear) side of fan:	1.00"	1.50"	2.00"
Outside perimeter of fan (see footnote below)			

The blade tip clearance required for the outer perimeter of the fan can vary significantly by application. Any application that requires a minimal tip clearance should be properly tested and if there is any uncertainty regarding adequate clearance please contact the manufacturer.

- (b) **Tip Speeds:** The fan should be operated in excess of the limits of the fan blade tip speeds outlined below:

<u>Blade Material:</u>	<u>Maximum Tip Speed</u>
Glass Reinforced Polypropylene (GRP)	345ft/sec.
Glass Reinforced Nylon (GRN)	377ft/sec.
Aluminum (ALM)	328ft/sec.

- (c) **Operating Temperature Range:**

<u>Blade Material:</u>	<u>Minimum</u>	<u>Maximum</u>
Glass Reinforced Polypropylene (GRP)	-40 Deg. F	158 Deg. F
Glass Reinforced Nylon (GRN)	-40 Deg. F	302 Deg. F
Aluminum (ALM)	-40 Deg. F	482 Deg. F

- (d) **Mounting Methods/Locking Devices:** Recommendations for mounting hardware are dependent on the application. Mounting hardware may be loose mounted to the fan for shipping purposes only. Be sure to check that all mounting bolts and locking devices are securely fastened to manufactures specifications prior to operation of the fan. Set Screws are not recommended for drives operating in excess of 1 Horsepower.

SAEFTY WARNING: IT IS ESSENTIAL TO ENSURE THAT FANS ARE ADEQUATELY GUARDED WHEREVER NECESSARY AND THEY OPERATE WITHIN THE SPEED AND TEMPERATURE RANGES INDICATED. DO NOT ROTATE THE FAN BY PULLING ON THE FAN BLADES.