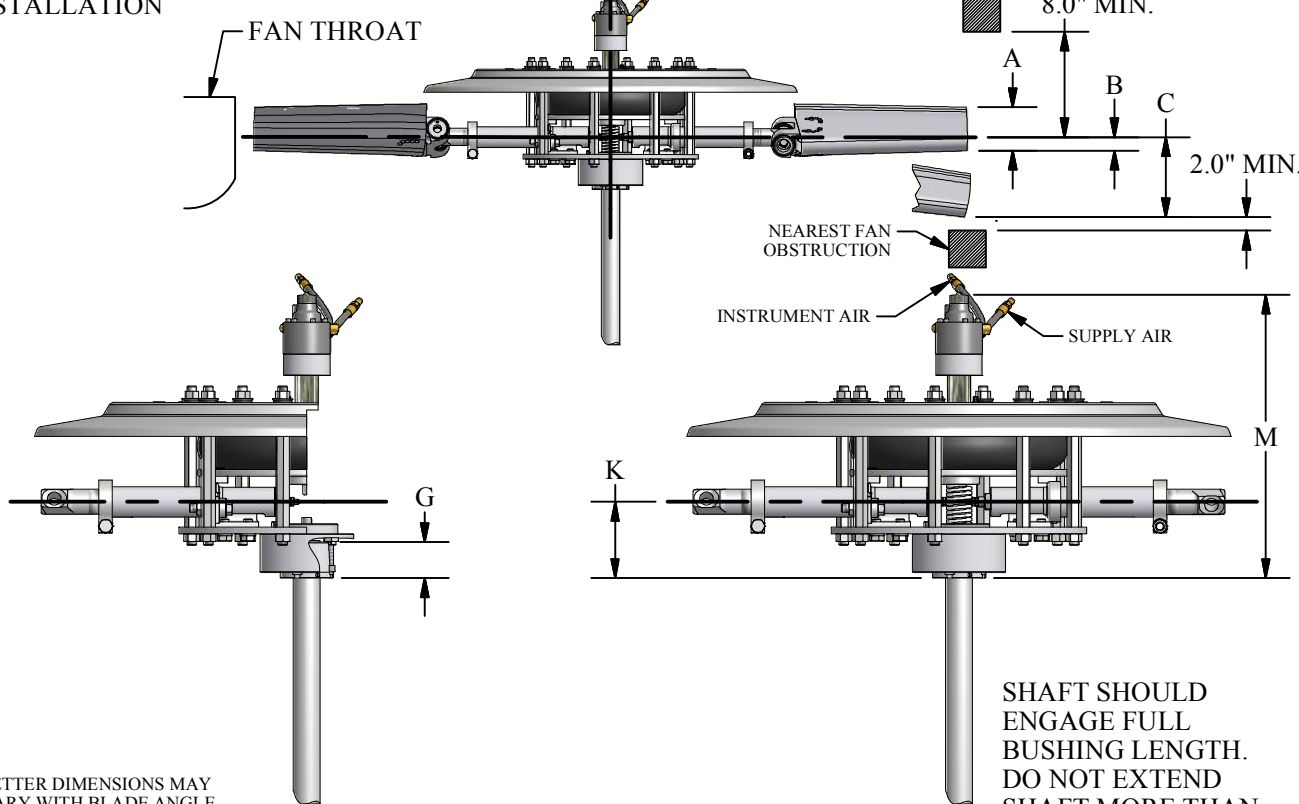


ROTATION: CLOCKWISE  
LOOKING INTO DISCHARGE

**NOTE 1:** MAXIMUM FAN DIA.  
BLADES HORIZONTAL (AS  
SHIPPED) EQUALS NOMINAL  
FAN DIA. A ± 1.5" ADJUSTMENT  
MAY BE MADE DURING  
INSTALLATION



SHAFT SHOULD  
ENGAGE FULL  
BUSHING LENGTH.  
DO NOT EXTEND  
SHAFT MORE THAN  
0.5" ABOVE BUSHING

LETTER DIMENSIONS MAY  
VARY WITH BLADE ANGLE  
AND LOADING

WITH FAN OPERATING AT 12000  
FT:MINUTE BLADE TIP SPEED  
PERCENT BLADE LOADING

DIA (ft)	PERCENT BLADE LOADING			C (in.)
	A (in.)	100%	75%	
8'	2.1	2.3	2.0	2.8
9'	1.9	2.7	2.3	3.6
10'	1.7	3.3	2.7	4.4
11'	1.6	3.9	3.1	5.3
12'	1.5	4.5	3.6	6.4
13'	1.3	5.3	4.2	7.5
14'	1.2	6.1	4.8	8.7
15'	1.1	7.0	5.5	10.0
16'	1.0	8.0	6.2	11.5

- A = BLADE TIP THICKNESS
- B = RUNNING POSITION OF BLADES
- C = MAXIMUM DROOP POSITION OF BLADES
- G = BUSHING OVERALL HEIGHT
- K = CENTERLINE OF FAN TO BASE OF BUSHING
- # = WITH S.A.E. STANDARD SQUARE KEYWAY
- \* = WITH SHALLOW KEYWAY IN BUSHING
- @ = MAX METRIC BORE WITH STANDARD KEYWAY

MAX BLADES	BUSHING TYPE	MAX. # BORE	MAX. * BORE	MAX. @ BORE	DIM. "G"	DIM. "K"	DIM. "M"
10	U	2.75"	2.938"	75mm	2.7"	5.8"	21.1"
10	W	3.750"	4.000"	100mm	2.8"	8.7"	24.1"
10	X	3.750"	4.000"	100mm	4.0"	8.7"	24.1"



# SERIES 48 CSP AUTOMATIC FAN