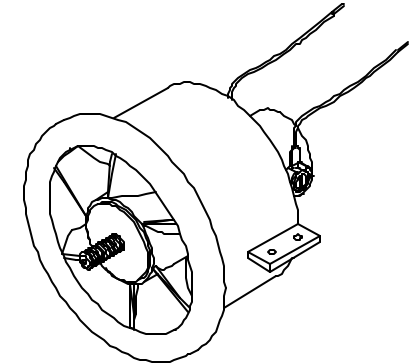
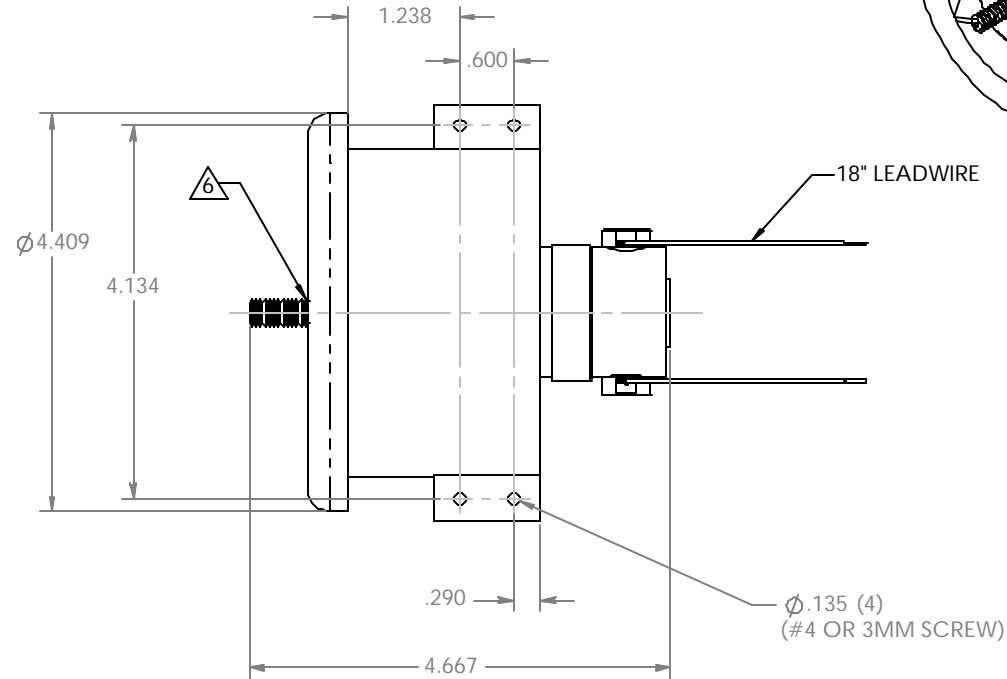
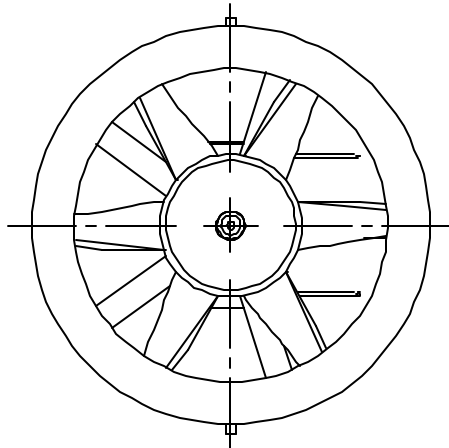


REV	ECO #	DESCRIPTION OF CHANGE	BY	DATE	CHD
A	1223	RELEASE	RAH	7/18/2005	TJB



MOTOR CHARACTERISTICS			
RATED VOLTAGE D.C.	13.8	VOLTS	
RATED CURRENT	5	AMPS	
RATED TORQUE	7	OZ-IN	
RATED SPEED	10,000	RPM	+/-15%
RATED POWER OUT	100	WATTS	+/-15%
NO LOAD SPEED	12,500	RPM	+/-15%
NO LOAD CURRENT	0.5	AMPS	MAX
BACK EMF CONSTANT	0.83	V/KRPM	+/-10%
TORQUE CONSTANT	1.13	OZ-IN/AMP	+/-10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.4	OHMS	+/-15%
STATIC FRICTION	0.5	OZ-IN	MAX
ENDPLAY WITH 5 POUND REVERSING	0.005	INCHES	MAX
SHAFT TIR	0.001	INCHES	MAX
ARMATURE INERTIA	0.0006	OZ-IN/SEC <sup>2</sup>	REF

NOTES:

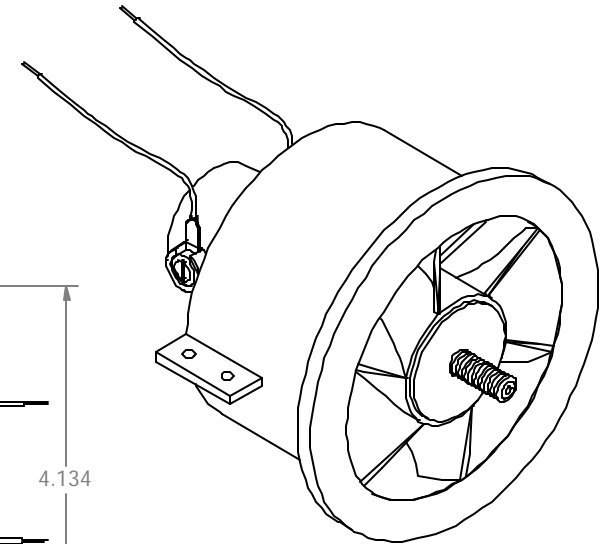
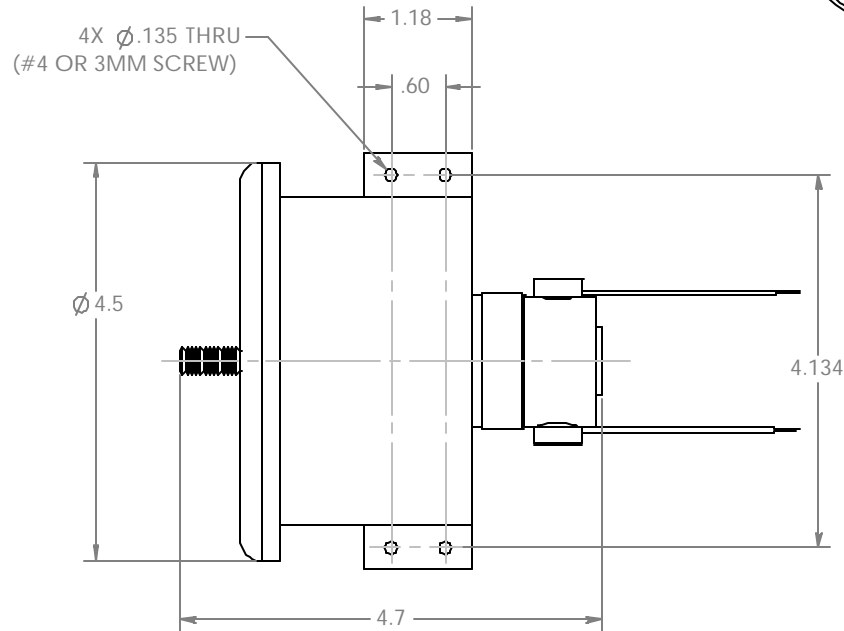
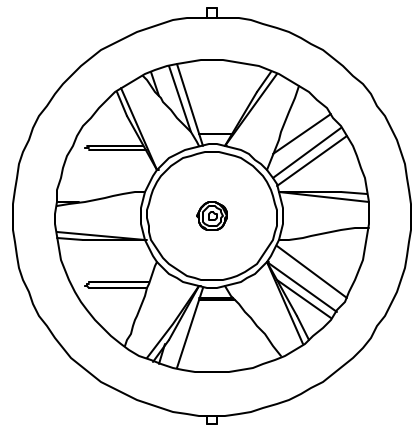
1. ABEC 3 OR BETTER BALL BEARINGS.
  2. MOTOR SHAFT MATERIAL STAINLESS STEEL.
  3. 200 °C TEMPERATURE RATING, CLASS H.
  4. HIGH VIBRATION AND HIGH TEMPERATURE MODIFICATIONS.
  5. BRUSH MATERIAL 40% COPPER.
- △ TORQUE TO 5 IN/LBS THE NUT THAT HOLDS FAN TO SHAFT.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES ARE AS FOLLOWS FRACTIONS DECIMALS ANGLES X.XXX .XXX .01 .015 .05	DO NOT SCALE DRAWING	<b>DYNETIC SYSTEMS</b> Elk River, Minnesota FM1509L-XX/DF-4/C FAN MOTOR, LOW FLOW C095003
	APPROVALS DATE	
DRAWN R. HALLBERG	07/19/05	REV A
CHECKED		SCALE 1:1
MATERIAL		THIS IS A SOLIDWORKS FORMAT DRAWING SHEET 1 OF 2
FINISH	BREAK CORNERS OUTSIDE: .020 MAX / .005 MIN. INSIDE: .016 MAX RADIUS	
NEXT ASSEMBLY		

# DYNETIC SYSTEMS

NEW CONCEPTS IN MOTION

19128 INDUSTRIAL BLVD., ELK RIVER, MN 55330  
 PHONE: 763-441-4300 FAX: 763-441-5217  
 WWW.DYNETIC.COM



MOTOR CHARACTERISTICS			
RATED VOLTAGE D.C.	13.8	VOLTS	
RATED CURRENT	5	AMPS	
RATED TORQUE	7	OZ-IN	
RATED SPEED	10,000	RPM	+/-15%
RATED POWER OUT	100	WATTS	+/-15%
NO LOAD SPEED	12,500	RPM	+/-15%
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DYNETIC SYSTEMS MODEL NO. **FMI509L-XX/DF-4/C**

DYNETIC SYSTEMS PART NO. **095003**