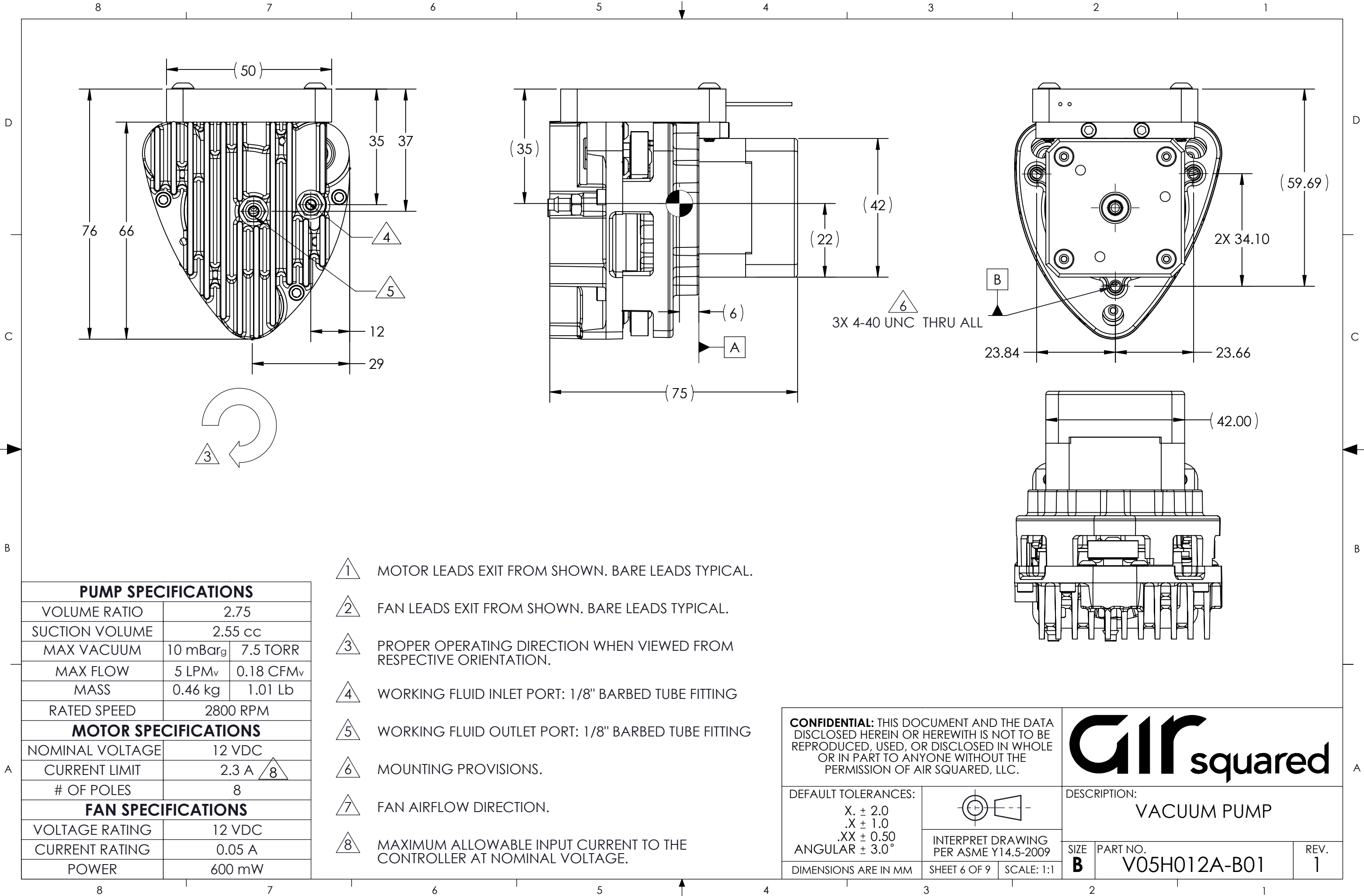
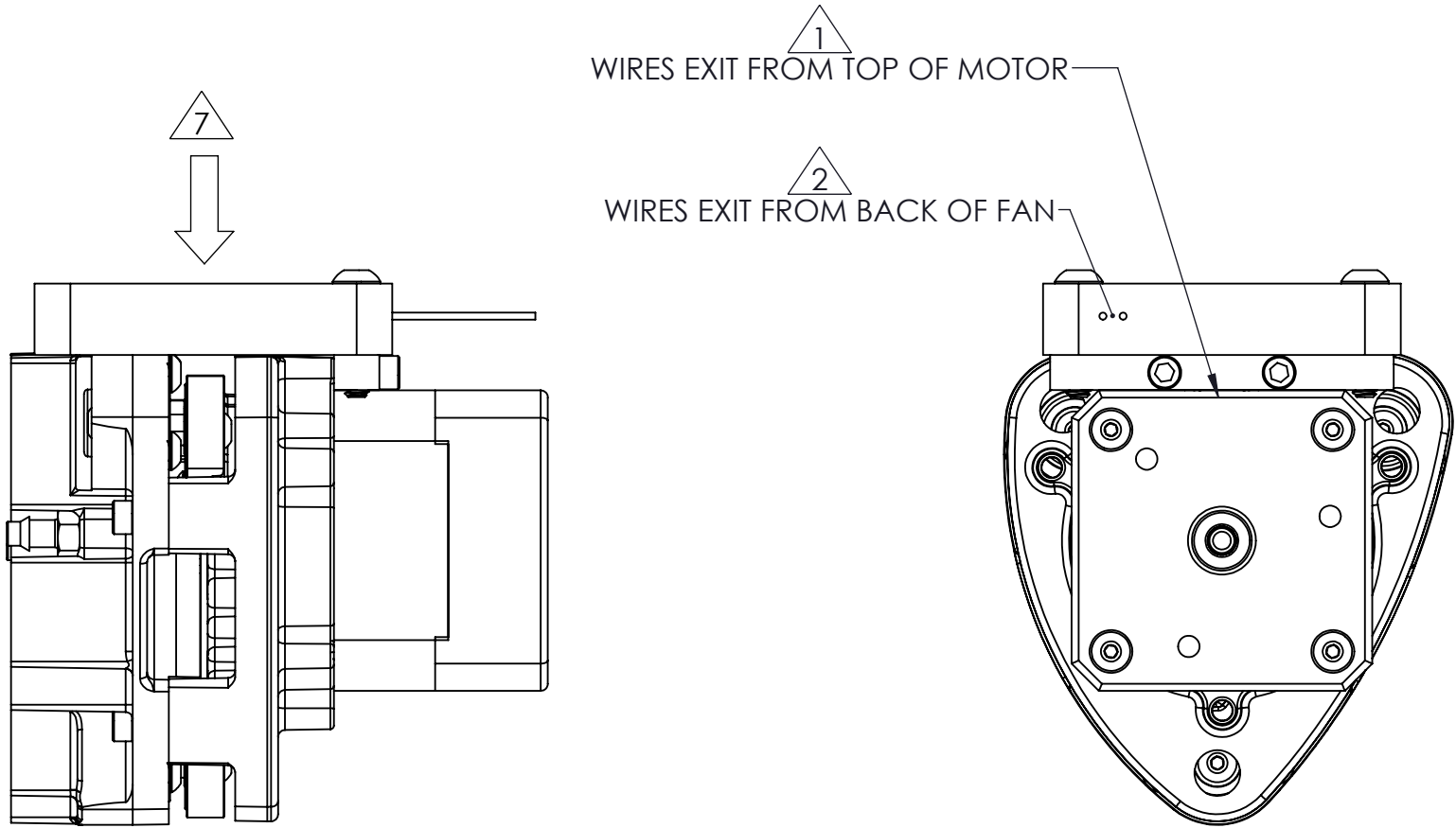




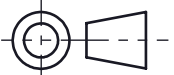
PUMP SPECIFICATIONS		
VOLUME RATIO	2.75	
SUCTION VOLUME	2.55 cc	
MAX VACUUM	10 mBar _g	7.5 TORR
MAX FLOW	5 LPM _v	0.18 CFM _v
MASS	0.46 kg	1.01 Lb
RATED SPEED	2800 RPM	
MOTOR SPECIFICATIONS		
NOMINAL VOLTAGE	12 VDC	
CURRENT LIMIT	2.3 A	
# OF POLES	8	
FAN SPECIFICATIONS		
VOLTAGE RATING	12 VDC	
CURRENT RATING	0.05 A	
POWER	600 mW	



MOTOR POWER	
WIRE COLOR	SIGNAL
BLUE	A
YELLOW	B
GREEN	C
HALL SENSORS	
WIRE COLOR	SIGNAL
YELLOW	1
GREEN	2
BLUE	3
RED	VCC
BLACK	GND
FAN POWER	
RED	+
BLACK	-

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DEFAULT TOLERANCES:
X. ± 2.0
.X ± 1.0
.XX ± 0.50
ANGULAR $\pm 3.0^\circ$



INTERPRET DRAWING
PER ASME Y14.5-2009

DIMENSIONS ARE IN MM

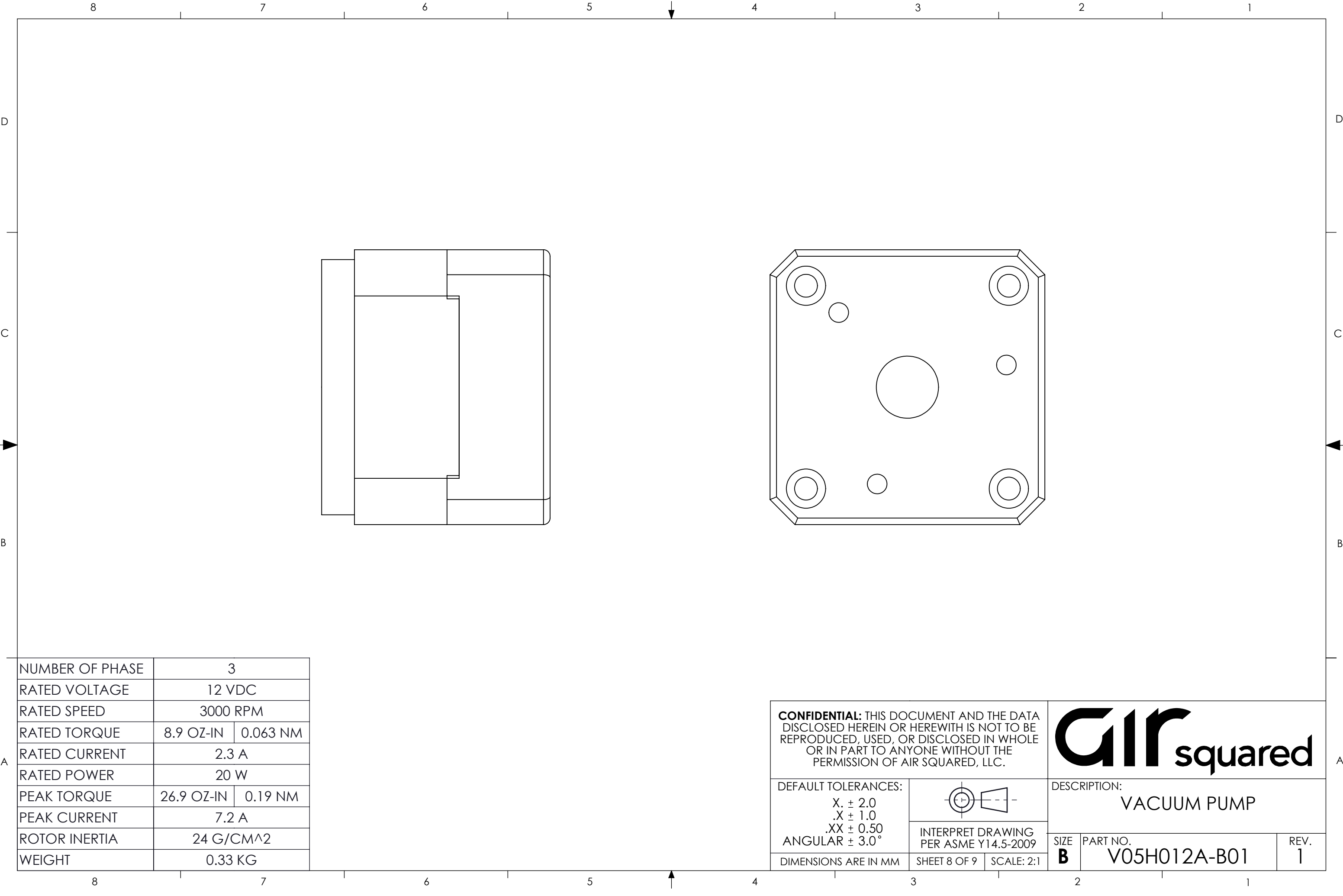
SHEET 7 OF 9

SCALE: 1:2

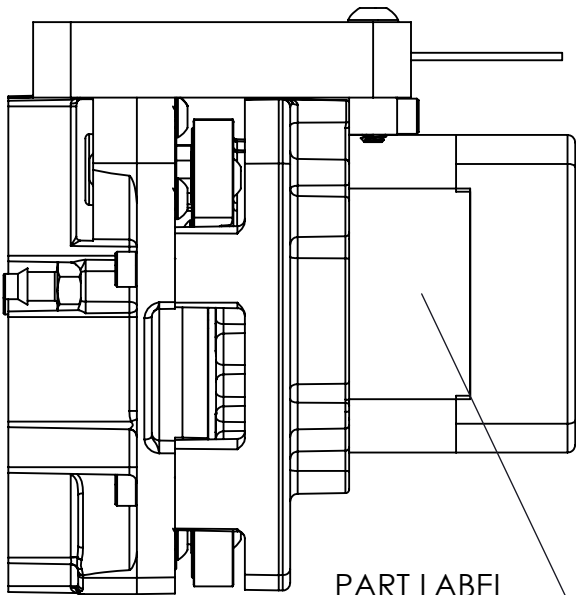
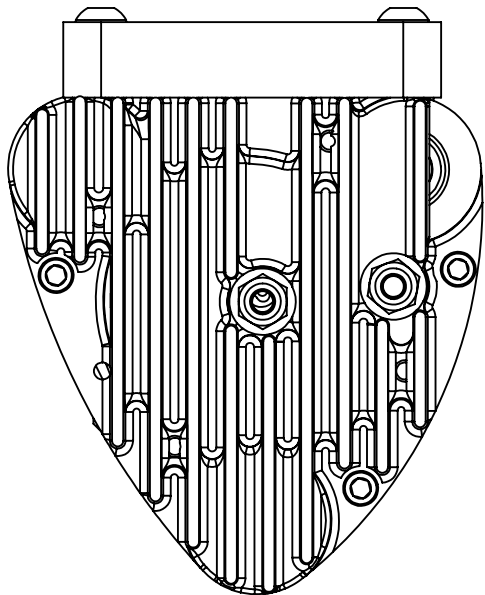
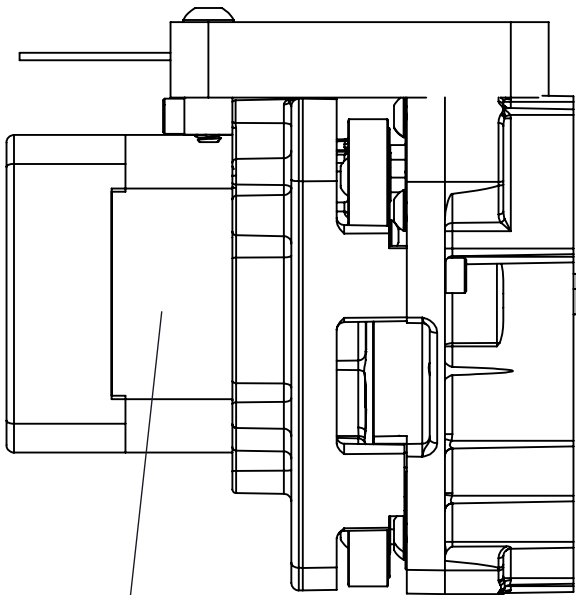
Air squared

DESCRIPTION:
VACUUM PUMP

SIZE B	PART NO. V05H012A-B01	REV. 1
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CONFORMANCE TEST CRITERIA					
TARGET MOTOR SPEED [RPM]	TARGET INLET PRESSURE [TORR]	TARGET FLOW [SLPM]	TARGET VOLTAGE [VDC]	POWER [W]	SOUND [dBA]
2800	15	0	12	40	41
2800	187.5	0.8	12	40	41

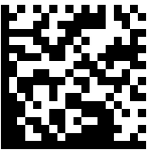


PATENT LABEL



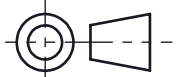
PART LABEL

Air Squared Mfg.
V05H012A-B01
REV: 1
Date: MM/DD/YYYY
S/N: AXXXXXX



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DEFAULT TOLERANCES:
X. ± 2.0
.X ± 1.0
.XX ± 0.50
ANGULAR $\pm 3.0^\circ$



INTERPRET DRAWING
PER ASME Y14.5-2009

DIMENSIONS ARE IN MM

SHEET 9 OF 9

SCALE: 1:2



DESCRIPTION:
VACUUM PUMP

SIZE
B

PART NO.
V05H012A-B01

REV.
1