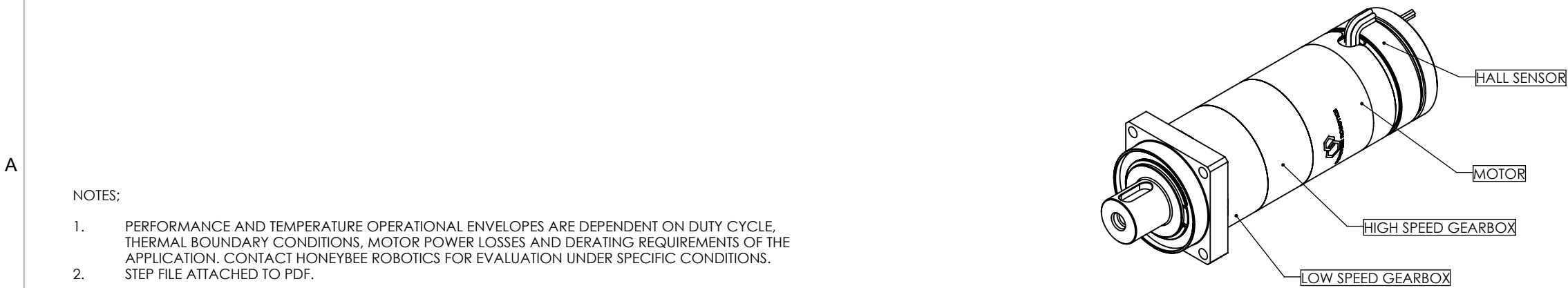
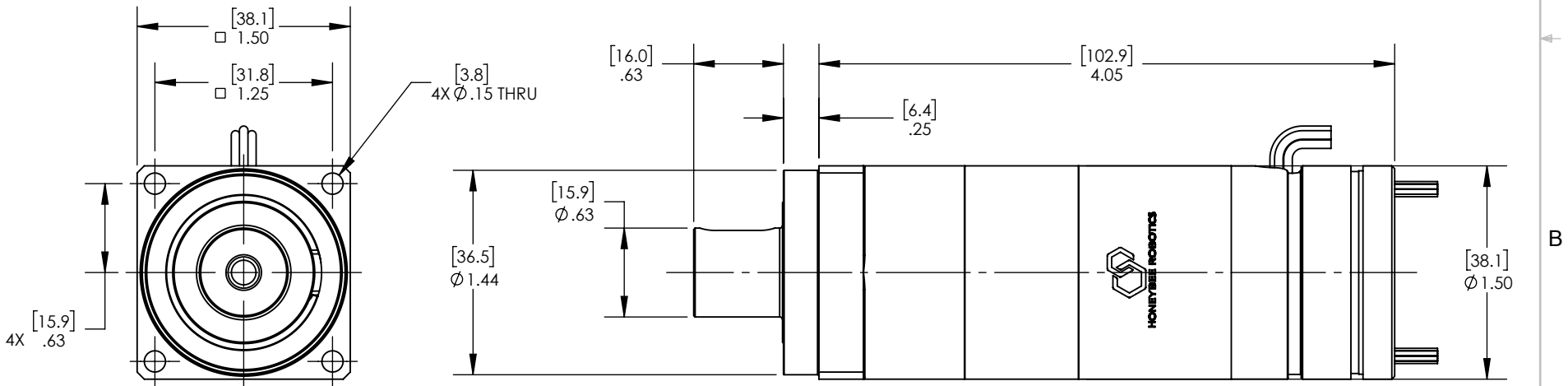
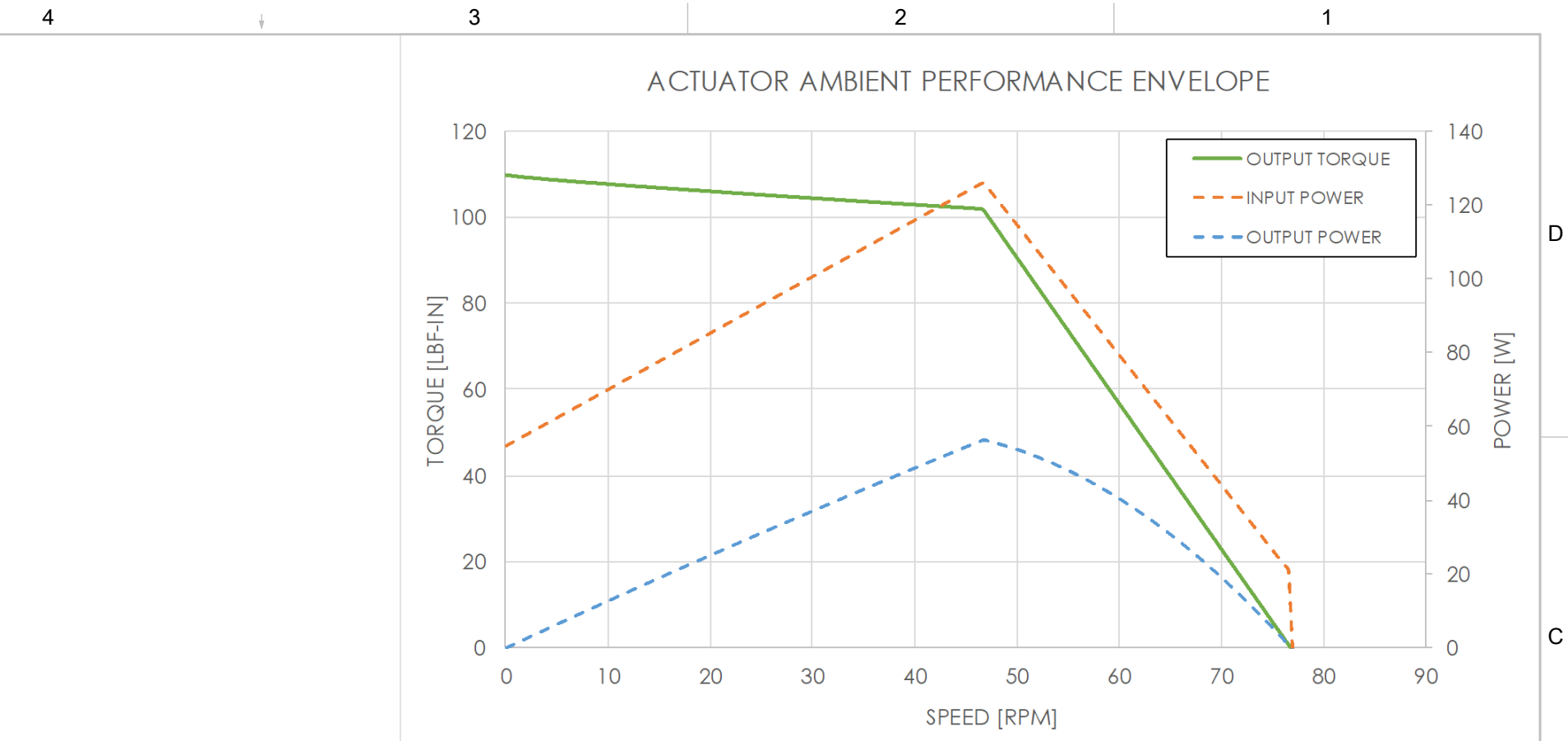


D	MECHANICAL PARAMETERS	
	FRAME SIZE	F
	OVERALL LENGTH	5.00 [127]
	NOMINAL OD	1.50 [38.1]
	MASS	1.60 [0.7]
	OPERATIONAL PARAMETERS	
	NOMINAL OPERATIONAL VOLTAGE	V _{bc} 28
	MAXIMUM ALLOWABLE CURRENT LIMIT	A _{bc} 4.5
	NO LOAD SPEED	RPM 75
	STALL TORQUE	110 [12.4]
C	MOTOR WINDING PARAMETERS	
	NUMBER OF PHASES	3
	NUMBER OF POLE PAIRS	2
	WINDING CONFIGURATION	REDUNDANT WYE WOUND
	ROTOR INERTIA	0.317 [22.4]
	BACK-EMF CONSTANT	0.038
	TORQUE CONSTANT	0.34 [0.038]
	MOTOR CONSTANT	0.23 [0.026]
	RESISTANCE (LINE-LINE)	1.6 - 2.7
	INDUCTANCE (LINE-LINE)	0.5 - 0.8
B	COMMUTATION SENSOR PARAMETERS	
	SENSOR TYPE	BI-POLAR LATCHING HALL EFFECT SENSOR
	REDUNDANCY	DUAL REDUNDANT
	SUPPLY VOLTAGE	V _{bc} 4.5 - 24
	GEARBOX PARAMETERS	
	GEARBOX TYPE	PLANETARY
	GEAR REDUCTION	85.3:1 (256:3)
	NUMBER OF STAGES	2
	TYPICAL BACKLASH	1.50



- NOTES;
- PERFORMANCE AND TEMPERATURE OPERATIONAL ENVELOPES ARE DEPENDENT ON DUTY CYCLE, THERMAL BOUNDARY CONDITIONS, MOTOR POWER LOSSES AND DERATING REQUIREMENTS OF THE APPLICATION. CONTACT HONEYBEE ROBOTICS FOR EVALUATION UNDER SPECIFIC CONDITIONS.
 - STEP FILE ATTACHED TO PDF.

UNLESS OTHERWISE NOTED: DIMENSIONS ARE IN INCHES (CRITICAL DIMENSION) (ALL FEATURE CONTROL FRAME) INTERPRET DRAWING PER ASME Y14.5-2018 LINEAR TOLERANCES: .X ±.05 .XX ±.01 .XXX ±.005 (XXX) CRITICAL ANGULAR TOLERANCES: ±0.5 DEGREES		SURFACE ROUGHNESS 63/ MICROINCHES OR BETTER	
PROJECT TITLE STANDARD PRODUCT DATA SHEETS		REVISION B	
PART NUMBER 560-151-0026		PART DESCRIPTION F-SIZE BLDC (HALL), 3-PHASE REDUNDANT, 85.3:1	
CAGE CODE 8DSS5		SHEET SIZE B	
SHEET 1 OF 1			