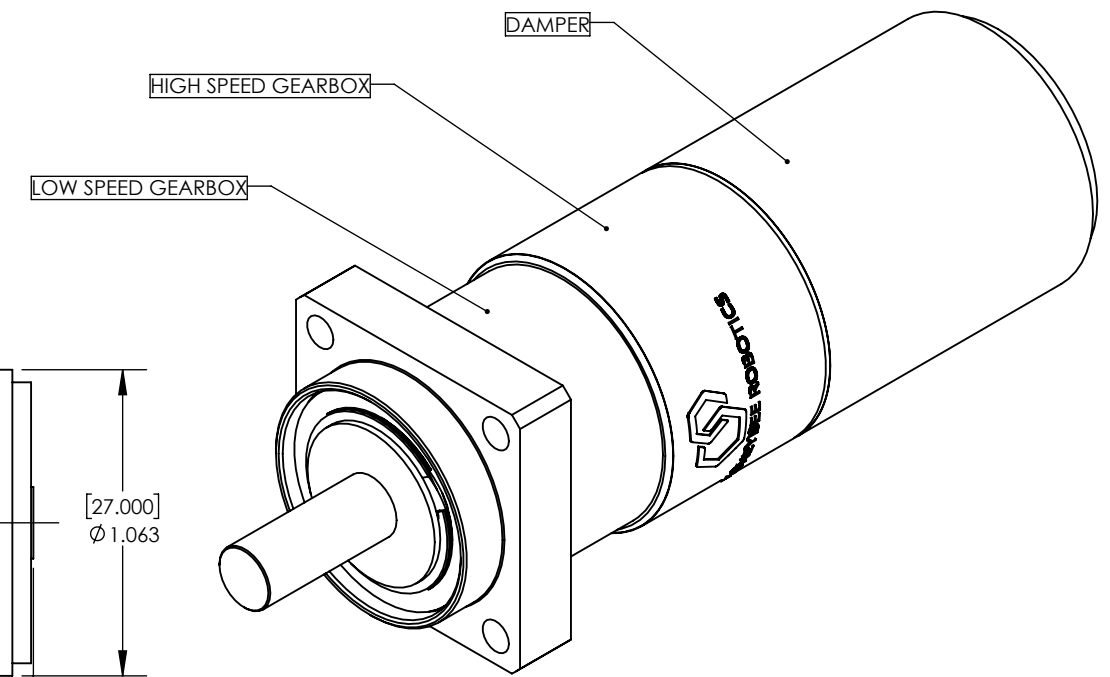
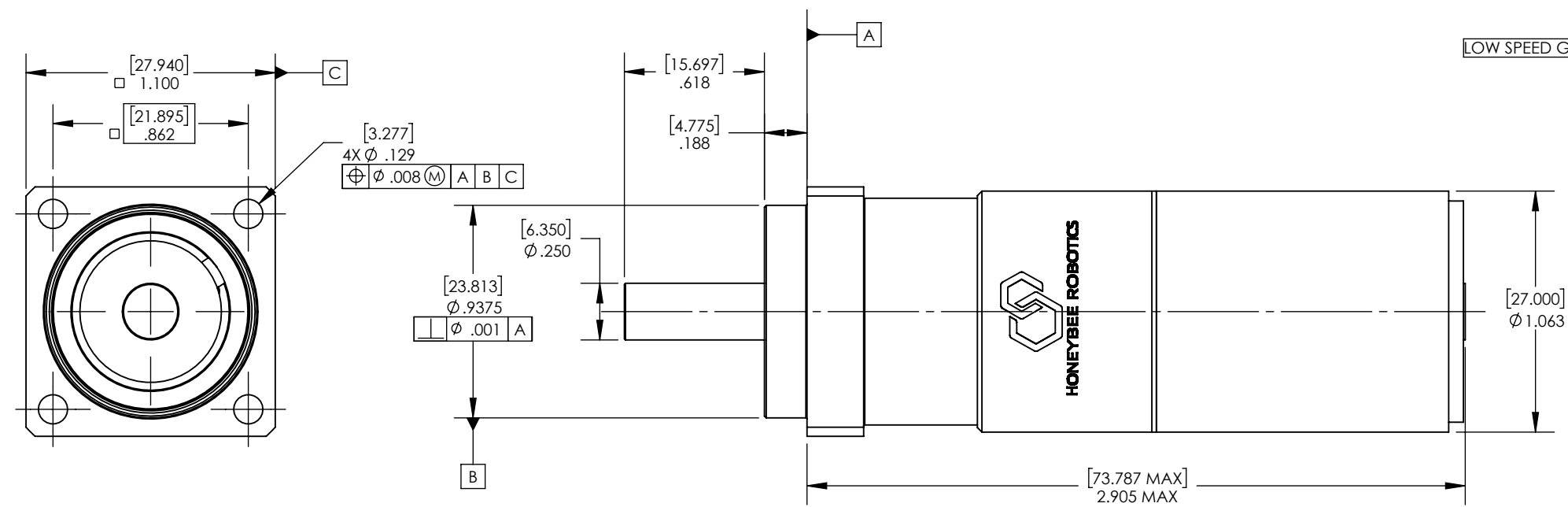
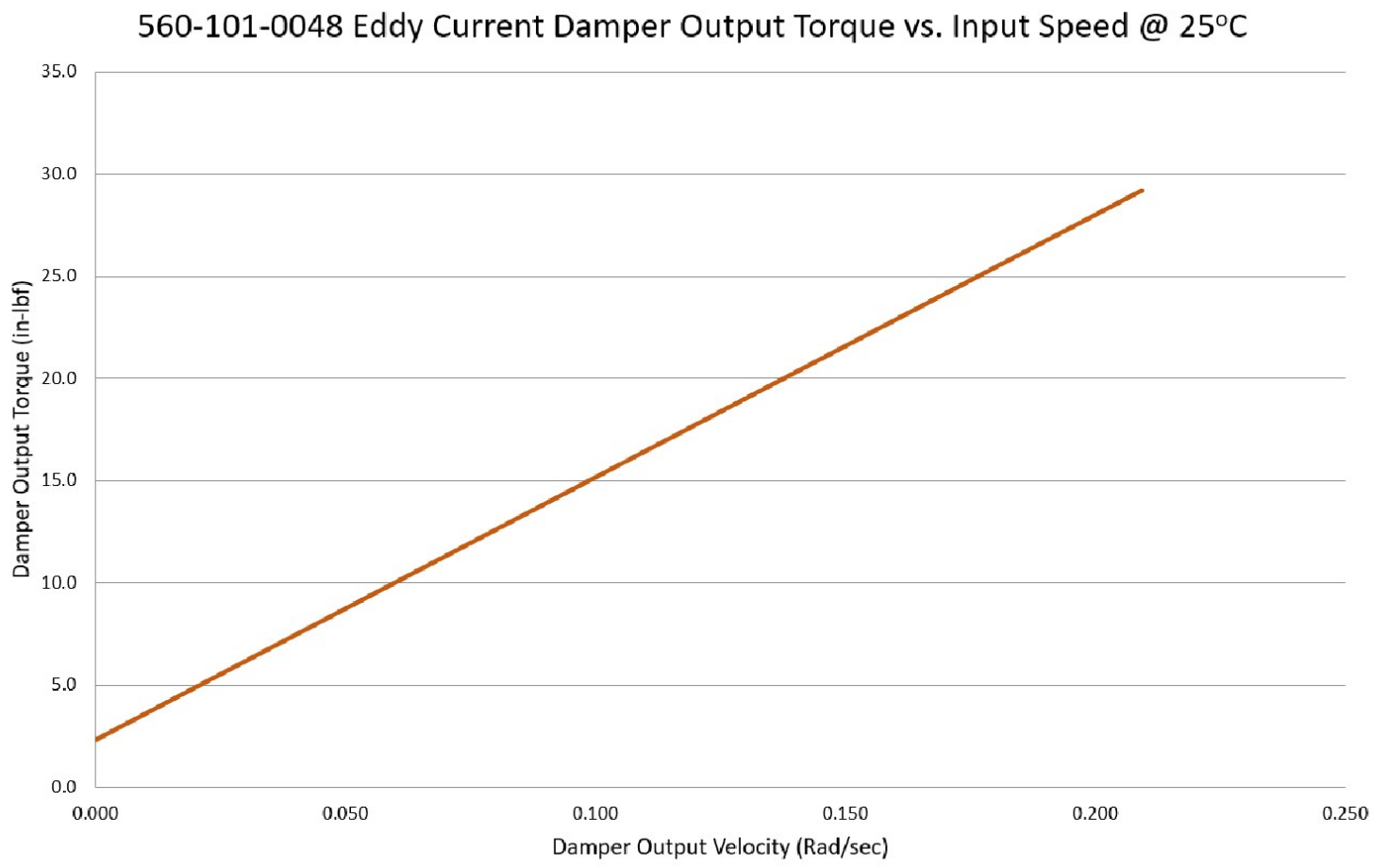


MECHANICAL PARAMETERS	UNITS	
FRAME SIZE	-	C
MASS	Lbm [kg]	0.625 [0.28]
PERFORMANCE		
PEAK TORQUE CAPACITY	lbf-in [N·m]	60 [6.77]
DAMPING RATE ¹	lbf-in/rad/sec [N·m/rad/s]	150 [16.95]
RESISTIVE STATIC BREAKAWAY TORQUE ¹	lbf-in [N·m]	2.5 [0.28]
OPERATING CYCLES AT 0.9995 RELIABILITY	MINIMUM	500
ENVIRONMENTAL PARAMETERS		
OPERATIONAL TEMPERATURE RANGE	°C	-50 TO +100
OPERATIONAL RELATIVE HUMIDITY RANGE	%	0 TO 90
GEARBOX PARAMETERS		
GEARBOX TYPE	-	PLANETARY
GEAR REDUCTION	-	100
NUMBER OF STAGES	-	2
TYPICAL BACKLASH	°	1°

- NOTES:
- VALUES ARE NOMINAL AT 25 °C AND AN INPUT TORQUE OF 15.75 IN-LBF, RESULTING IN A RATE OF 1RPM AT THE OUTPUT SHAFT. DAMPING RATE IS AFFECTED BY TEMPERATURE AND IS ALSO SLIGHTLY NONLINEAR WITH SPEED. PLEASE CONTACT HONEYBEE ROBOTICS FOR DAMPING RATES AT SPECIFIC OPERATING TEMPERATURES AND SPEEDS FOR YOUR APPLICATION.
 - MOUNTING FLANGE NOT INCLUDED. SEE ICD FOR DETAILS.
 - NOTIONAL OUTPUT SHAFT GEOMETRY. CONTACT HONEYBEE ROBOTICS FOR FURTHER OPTIONS.
 - STEP FILE ATTACHED TO PDF.



UNLESS OTHERWISE NOTED: DIMENSIONS ARE IN INCHES <small>(CRITICAL DIMENSION)</small> <small>(ALL FEATURE CONTROL FRAME)</small> INTERPRET DRAWING PER ASME Y14.5-2018 LINEAR TOLERANCES: .X ±.05 SURFACE .XX ±.01 ROUGHNESS .XXX ±.005 (XXX) CRITICAL ANGULAR TOLERANCES: ±0.5 DEGREES		 HONEYBEE ROBOTICS PROJECT TITLE STANDARD ARCHITECTURE PART NUMBER 560-101-0048 PART DESCRIPTION C-SIZE EDDY CURRENT DAMPER, 100:1 CAGE CODE 8DSS5 SHEET SIZE B SHEET 1 OF 1	 REVISION A
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