TDS Precision Products

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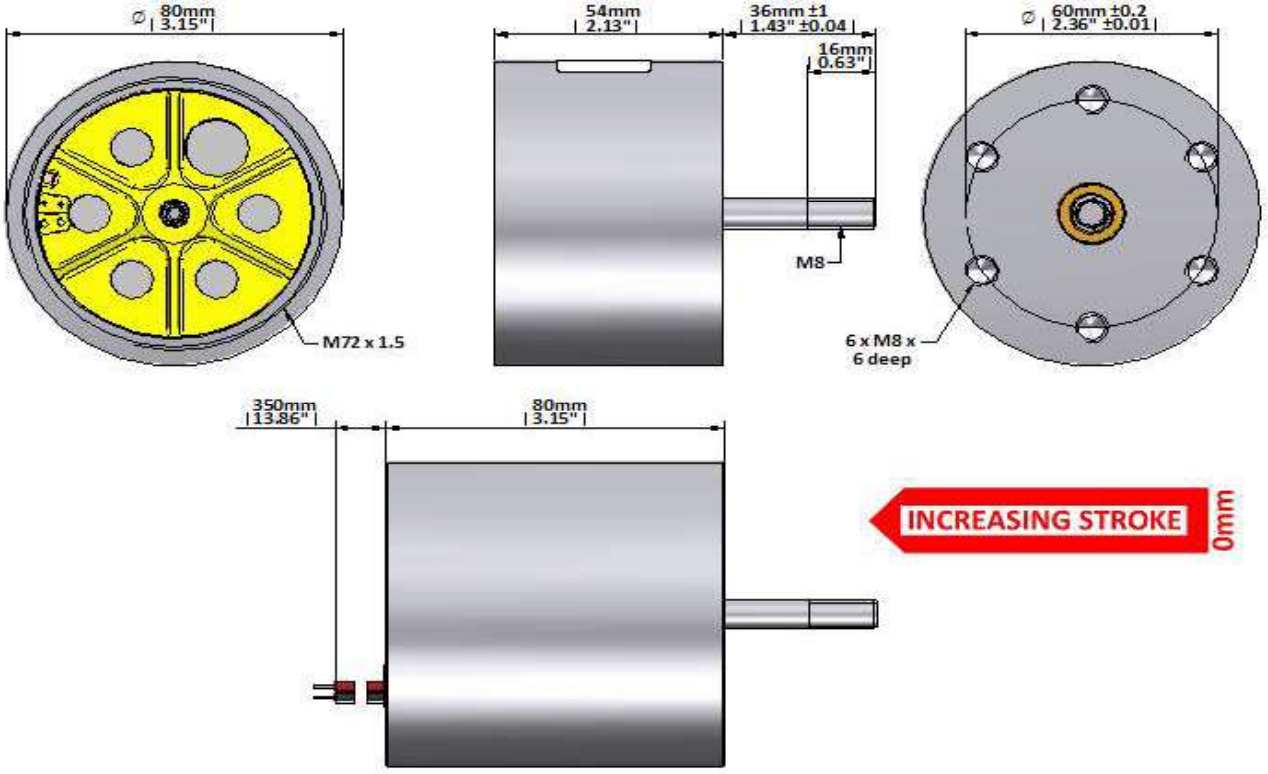
GEEPLUS VM8054 & VM8080

P_{100} is the continuous (100% ED) excitation power at which the coil attains temperature T_{max} with the part mounted to a massive heatsink at 20°C

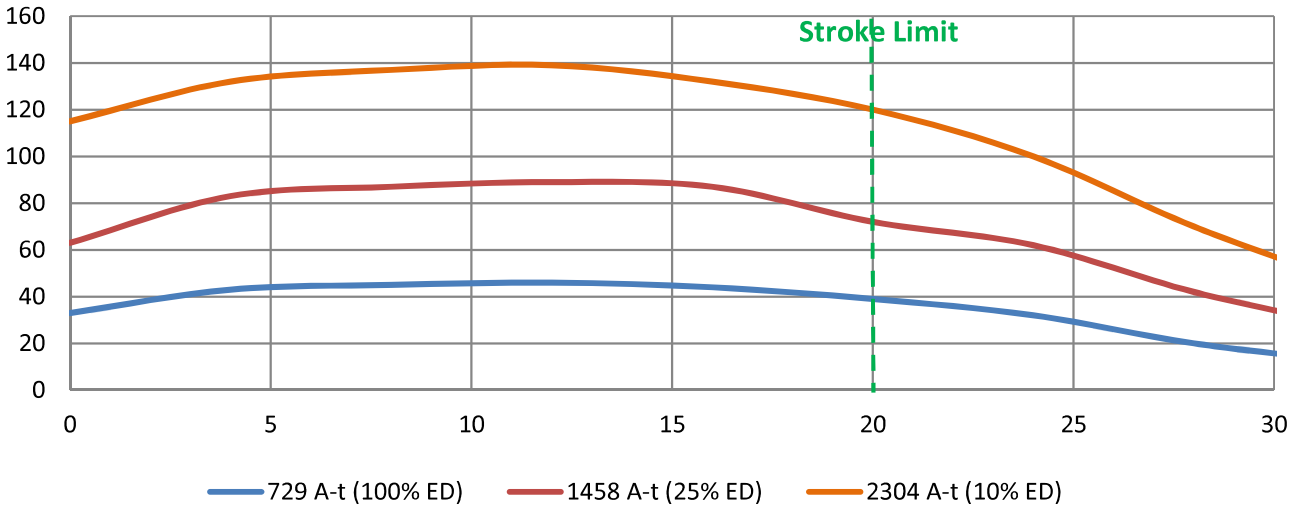
P_{100}	50 W	VM8054 1.7kg / VM8080 2kg	
T_{max}	130 °C	Coil Mass	150 g

Model No.	Resistance R_{20}	Inductance	Force Constant	Velocity Constant	Current I_{100}
VM80xx-630	2.3 Ω		10 N/A	10 Vs/m	3.9 A
VM80xx-400	11.5 Ω	10.6 mH	24 N/A	24 Vs/m	1.8 A
VM80xx-250	85.0 Ω	77 mH	62 N/A	62 Vs/m	0.6 A

Max 'ON' time		Peak Force
100% ED	∞	43 N
50% ED	100 s	62 N
25% ED	100 s	85 N
10% ED	0s	130 N



Force (N) vs Displacement (mm)



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