

No	Parameter	Unit	Value	Comments
1	Maximum thrust	μN	≥ 150	50% margin
2	Max thruster response time ¹	ms	40	@ commanded step (up and down) $\geq 60 \mu\text{N}$
3	Resolution (quantization)	μN	24	TBC, not critical
4	Max noise	$\mu\text{N}/\sqrt{\text{Hz}}$	18	Around 1Hz
5	Scale factor error	%	12	Peak
6	Update com rate	Hz	10	TBC
7	Total impulse	Ns	4500	20 % margin
8	Minimum thrust	μN	≤ 10	TBC
9	Thrust vector stability	rad	0.17	Peak, at $60 \mu\text{N}$
10	Centrifugal acceleration	g	<4.4	20 % margin, 0.75m spacecraft radius

Table 10-2 – Thrusters requirements - Spin rate: 1Hz

Source: SD-RP-AI-0621 Technical Report on GG Drag and Attitude Control (July 2009)

¹ Thrust response time is defined as the time required to achieve 90% of the commanded step, and to remain indefinitely above this threshold.