

RX Gen II Performance Specifications

Parameter	Units	Ratio	RX60 Gen II		RX90 Gen II		RX115 Gen II	
Nominal Output Torque ¹⁾ T_{nom r}	Nm (inlbs)	5	10	(89)	44	(390)	68	(602)
		10	19	(168)	64	(566)	128	(566)
		15,20,25,50	24	(212)	66	(585)	136	(584)
		30,40,100	20	(177)	60	(530)	128	(531)
Maximum Acceleration Output Torque ²⁾ T_{acc r}	Nm (inlbs)	5	15	(133)	66	(584)	102	(903)
		10	28	(248)	96	(850)	192	(1,700)
		15,20,25,50	36	(319)	100	(885)	204	(1,805)
		30,40,100	30	(266)	90	(797)	192	(1,700)
Emergency Stop Output Torque ³⁾ T_{em r}	Nm (inlbs)	5	32	(283)	120	(1,062)	216	(1,912)
		10	58	(513)	192	(1,700)	384	(3,398)
		15,20,25,50	64	(566)	200	(1,770)	408	(3,611)
		30,40,100	48	(425)	160	(1,416)	345	(3,053)
Nominal Input Speed N_{nom r}	RPM	5,10	3200		2800		2400	
		15,20,25,30, 40	3700		3300		2900	
		50,100	4200		3800		3400	
Maximum Input Speed N_{max r} ⁴⁾	RPM	5-100	6000		5300		4500	
Maximum Radial Load Pr_{max} ^{5, 7)}	N (lbs)		1550	(348)	2800	(1,079)	5500	(1,236)
Maximum Axial Load Pa_{max} ⁶⁾	N (lbs)		2100	(475)	3600	(810)	6800	(1,530)
Service Life	h		20,000					
Standard Backlash ⁸⁾	arc min	5 to 10	<20		<18		<16	
		15 to 100	<20		<18		<16	
Low Backlash ⁸⁾	arc min	5 to 10	<18		<16		<14	
		15 to 100	<16		<14		<12	
Efficiency at Nominal Torque	%	5 to 10	94		94		94	
Noise Level at 3000 RPM ⁹⁾	db	5-100	<65		<68		<68	
Torsional Stiffness	Nm/arcmin (inlb/arcmin)	5-100	2.5	(22)	10	(90)	22	(195)
Maximum Allowable Case Temperature	° C	5-100	-20 to 90					
Lubrication		5-100	Per Maintenance Schedule					
Mounting Position		5-100	Any					
Degree of Protection			IP65					
Maximum Weight	kg (lbs)	5 to 10	2.0	(4.4)	6.0	(13.2)	11.0	(24.2)

1) At nominal speed N_{nom r}.

2) See gearhead selection program.

3) Maximum of 1000 stops.

4) For intermittent operation.

5) Max Radial Load applied to the center of the shaft at 100 rpm.

6) Max Axial Load at 100 rpm.

7) For combine Radial and Axial load consult Factory or use our software on the company website.

8) Measured at 2% of rated torque.

9) Measure at 1m.