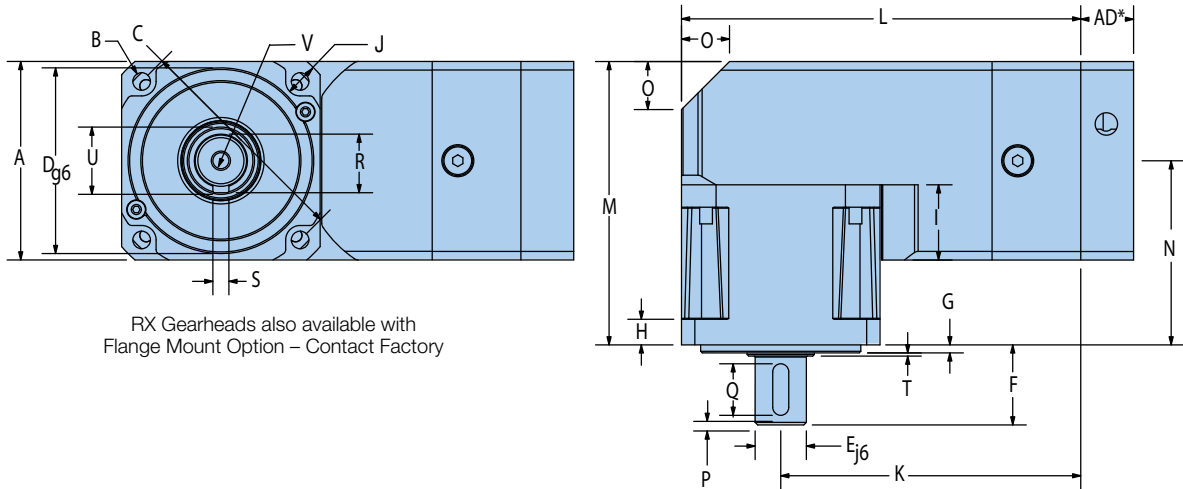


Generation II Stealth® Series



RX Generation II Dimensions



Metric Frame Sizes

Frame Size	A		B		C		D		E		F		G		H		I		J		K	
	Square Flange		Bolt Hole		Bolt Circle		Pilot Diameter		Output Shaft Diameter		Output Shaft Length		Pilot Thickness		Flange Thickness		Recess Length		Housing Recess		Distance to Output Centerline	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
RX60	62	2.441	5.5	0.217	70	2.756	50	1.969	16	0.630	25	0.984	2.5	0.098	13	0.512	23.5	0.925	5	0.197	93.7	3.689
RX90	90	3.543	6.5	0.256	100	3.937	80	3.150	20	0.787	40	1.575	3	0.118	17	0.669	36.5	1.437	6.5	0.256	132	5.197
RX115	115	4.528	8.5	0.335	130	5.118	110	4.331	24	0.945	50	1.969	3.5	0.138	20	0.787	47.5	1.870	7.5	0.295	153.5	6.043

Frame Size	L		M		N		O		P		Q		R		S		T		U		V	
	Housing Length		Housing Width		Distance to Input Centerline		Taper Distance		Distance from Shaft End		Keyway Length		Keyway Key Height		Keyway Width		Shoulder Height		Shoulder Diameter		Tap & Depth (end of shaft)	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in
RX60	124.5	4.902	88.5	3.484	57.5	2.264	14	0.551	3	0.118	16	0.630	18	0.709	5	0.197	0.5	0.020	21	0.827	M5x8	
RX90	177	6.969	114	4.469	68.5	2.697	25	0.984	5	0.197	28	1.102	24.5	0.965	6	0.236	0.5	0.020	29	1.142	M8x16	
RX115	211	8.307	138	5.445	81	3.189	32	1.260	7	0.276	32	1.260	27	1.063	8	0.315	1	0.039	36	1.417	M8x16	

NEMA Frame Sizes

Frame Size	B		C		D		E		F		Q		R		S	
	Bolt Hole		Bolt Circle		Pilot Diameter		Output Shaft Diameter		Output Shaft Length		Keyway Length		Keyway Depth		Keyway Width	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
RX23	0.2	4.953	2.625	66.675	1.5	38.100	0.38	9.525	1	25.400	—	—	—	—	—	—
RX34	0.22	5.512	3.88	98.425	2.88	73.025	0.5	12.700	1.25	31.750	1.06	27.000	0.07	1.829	0.13	3.251
RX42	0.28	7.137	4.95	125.730	2.19	55.550	0.63	15.875	1.5	38.100	1.14	29.007	0.09	2.388	0.19	4.775

RX23 has a flat on output shaft, not a keyway

NOTE: NEMA Sizes have 20% lower torque/stiffness ratings due to smaller output shaft diameter.



Generation II Stealth® Series



RX Generation II Performance Specifications

Parameter	Units	Ratio	RX60 Gen II		RX90 Gen II		RX115 Gen II	
Nominal Output Torque ¹⁾ $T_{nom r}$	Nm (in-lb)	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 (in-lb)	5	15	(133)	66	(584)	102	(903)
		10	28	(248)	96	(850)	128	(1132)
		15,20,25,50	36	(319)	100	(885)	136	(1203)
		30,40,100	30	(266)	90	(797)	128	(1132)
Emergency Stop Output Torque ³⁾ $T_{em r}$	Nm (in-lb)	5	32	(283)	120	(1062)	216	(1912)
		10	58	(513)	192	(1700)	384	(3398)
		15,20,25,50	64	(566)	200	(1770)	408	(3611)
		30,40,100	48	(425)	160	(1416)	345	(3053)
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	(1079)	5500	(1236)
Maximum Axial Load Pa_{max} ⁶⁾	N (lbs)		2100	(475)	3600	(810)	6800	(1530)
Service Life	h				20,000			
Standard Backlash ⁸⁾	arc-min	5 – 10	<20		<18		<16	
		15 – 100	<20		<18		<16	
Low Backlash ⁸⁾	arc-min	5 – 10	<18		<16		<14	
		15 – 100	<16		<14		<12	
Efficiency at Nominal Torque	%	5 – 100	94		94		94	
Noise Level at 3000 RPM ⁹⁾	db	5 – 100	<65		<68		<68	
Torsional Stiffness	Nm/arc-min (in-lb/arc-min)	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 – 100	2.0	(4.4)	6.0	(13.2)	11.0	(24.2)

1) At nominal speed $N_{nom r}$.

2) Parker MotionSizer sizing software available for free download at parkermotion.com.

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 combined radial and axial load consult factory.

8) Measured at 2% of rated torque.

9) Measure at 1m.

