

XV Motor Specifications

Motor Model	Rated Torque lb-in Nm	Cont. Stall Current Amps	Peak Current Arms	Motor Resistance Ohms	Motor Inductance mH	Max Operating Speed RPM	Inertia lb-in-sec ² kg-cm ²	Motor Ke Vrms/krpm	Motor Kt lb-in/Arms Nm/Arms	Motor Weight lb kg
XV-401	0.95 0.11	1.07	2.9	11.69	8.54	5000	0.0000097 0.011	7.8	0.89 0.1	0.7 0.3
XV-403	3.09 0.35	1.38	3.8	6.89	6.73	5000	0.00004 0.045	12.7	2.24 0.25	1.1 0.52
XV-606	6.13 0.69	1.63	4.6	4.15	15.21	5000	0.000161 0.182	29.2	3.76 0.43	2.4 1.11
XV-6011	12.0 1.36	2.89	8.3	1.64	7.32	5000	0.000284 0.321	29.5	4.15 0.47	3.5 1.63
XV-8017	17.9 2.0	3.58	10.3	1.43	9.18	5000	0.00096 1.092	35.2	5 0.57	5.4 2.49
XV-8023	24.1 2.73	3.82	11.0	1.29	9.10	3000	0.001335 1.509	44.6	6.32 0.71	6.9 3.15
XV-8028	29.9 3.38	5.37	15.5	0.75	5.04	5000	0.001705 1.927	39.2	5.57 0.63	8.3 3.8
XV-13046	48.4 5.47	6.28	18.5	0.77	7.76	3000	0.010611 11.99	53.1	7.71 0.87	15.8 7.2
XV-13051	53.4 6.04	4.15	12.1	1.87	20.10	2000	0.010611 11.99	85.8	12.87 1.45	15.8 7.2
XV-13068	70.1 7.92	9.23	27.2	0.47	5.27	3000	0.015345 17.34	54.2	7.59 0.86	19.1 8.7
XV-13089	90.0 10.17	5.78	17.2	1.41	15.99	2000	0.015345 17.34	94.6	15.57 1.76	21.3 9.7
XV-130101	101.0 11.41	7.63	22.3	0.87	10.67	2000	0.0200072 22.68	90.0	13.88 1.57	22.4 10.2

Note: Encoder resolution 2048 ppr