

2017 FIRST Robotics Competition Motor Information

Make	Name	Part Number	Max Power (W)	Stall Torque (oz-in)	Free Speed (rpm)	Free Current (A)	Stall Current (A)	Weight (lbs)	Notes
AndyMark	9015 Motor	am-0912	179.49	60.64	16000	1.2	63.80	0.50	
AndyMark	NeveRest Motor	am-3104	14.00	8.75	6600	0.4	11.50	0.55	
AndyMark	RS775-125 Motor	am-2194	36.91	35.00	5700	0.6	22.00	0.78	Mates with PG27 gearbox
AndyMark	RS775-5 Motor	am-2161	36.91	35.00	5700	0.6	22.00	0.81	Mates with PG71 gearbox
AndyMark	Snow Blower Motor	am-2235	29.60	1600.00	100	5.0	24.00	1.11	
BaneBots	RS-550 Motor	M5-RS550-12	245.83	68.85	19300	1.4	85.00	0.48	
BaneBots	RS-775 Motor	M7-RS775-18	266.79	110.93	13000	1.8	86.70	0.74	Specs at 12V
Bosch	Seat Motor	6004 RA3 194-06	13.83	3115.46	24	3.0	12.00	0.80	
Denso	Throttle Motor	AE235100-0160	18.04	18.40	5300	1.0	7.00	0.50	In kickoff kit, Pinion: 12 tooth, 20°PA, 0.75 module
Denso	Window Motor	5-163800-RC1	21.81	1309.91	90	1.5	16.25	0.85	In kickoff kit, Pinion: 7 tooth, 20°PA, 2 module
Varies	CIM Motor	Varies	337.34	343.40	5310	2.7	133.00	2.80	In kickoff kit
VEX	BAG Motor	217-3351	146.71	56.64	14000	1.8	41.00	0.71	In kickoff kit
VEX	mini-CIM Motor	217-3371	227.40	198.26	6200	1.5	86.00	2.16	In kickoff kit
West Coast Products	RS775 Pro	217-4347	347.83	100.54	18700	0.7	134.00	0.80	

The information above is based on manufacturer published specifications