

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