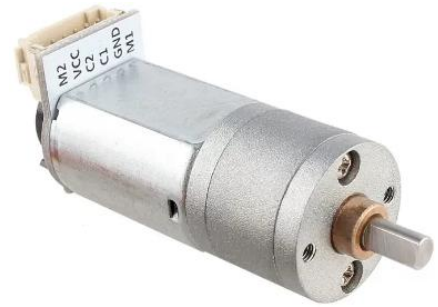
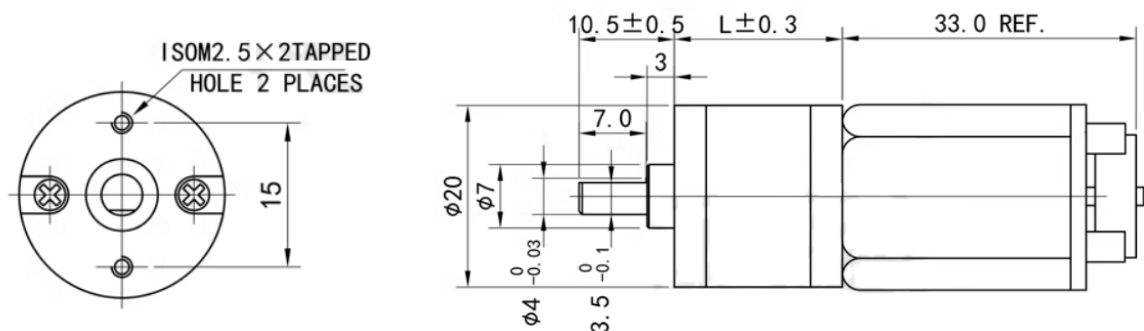


MG20AE Gear Motor

Motor size: $\Phi 20\text{mm}$
 Typical Application:
 Instrument, Medical instrument,
 Robotic, Home Appliance



Dimension



wire:11ppr

M2 Motor in -
 VCC+ Hall sensor VCC
 C2 Signal B out
 C1 Signal A out
 GND- Hall sensor GND
 M1 Motor in+

Specification DC 12V

Model	No Load Current (mA)	NoLoadSpeed (rpm)	Rated Speed (rpm)	RatedTorque (Kg.cm)	Rated Current (mA)	StallTorque(Kg.cm)	StallCurrent(A)	GearBoxLengt hL(mm)	GearRatio
MG20AE-120620	≤100	620	460	0.15	≤210	0.65	≤0.75	16	12.5:1
MG20AE-120310	≤100	310	230	0.35	≤210	1.2	≤0.75	16	25:1
MG20AE-120155	≤100	155	115	0.7	≤210	2.3	≤0.75	17.5	50:1
MG20AE-120100	≤100	100	74	1.1	≤210	3.5	≤0.75	17.5	78:1
MG20AE-120078	≤100	78	58	1.5	≤210	6.0	≤0.75	19	100:1
MG20AE-120050	≤100	50	37	2.3	≤210	can't exceed 9.0Kg.cm	≤0.75	19	156:1
MG20AE-120040	≤100	40	29	3	≤210		≤0.75	19	195:1
MG20AE-120031	≤100	31	23	3.5	≤210		≤0.75	20.5	250:1
MG20AE-120020	≤100	20	15	6	≤210		≤0.75	20.5	390:1
MG20AE-120016	≤100	16	12	6	≤210		≤0.75	20.5	488:1

Specification DC6V

Model	No Load Current (mA)	NoLoadSpeed (rpm)	Rated Speed (rpm)	RatedTorque (Kg.cm)	Rated Current (mA)	StallTorque(Kg.cm)	StallCurrent(A)	GearBoxLengt hL(mm)	GearRatio
MG20AE-061080	≤250	1080	800	0.3	≤1000	1	≤3.8	16	12.5:1
MG20AE-060540	≤250	540	400	0.7	≤1000	2	≤3.8	16	25:1
MG20AE-060270	≤250	270	200	1.5	≤1000	4	≤3.8	17.5	50:1
MG20AE-060170	≤250	170	128	2.3	≤1000	6	≤3.8	17.5	78:1
MG20AE-060135	≤250	135	100	3.0	≤1000	can't exceed 7.0Kg.cm	≤3.8	19	100:1
MG20AE-060085	≤250	85	64	4.5	≤1000		≤3.8	19	156:1
MG20AE-060070	≤250	70	50	5.5	≤1000		≤3.8	19	195:1
MG20AE-060054	≤250	54	40	6.0	≤1000		≤3.8	20.5	250:1
MG20AE-06034	≤250	34	25	6.0	≤1000		≤3.8	20.5	390:1
MG20AE-060027	≤250	27	20	6.0	≤1000		≤3.8	20.5	488:1