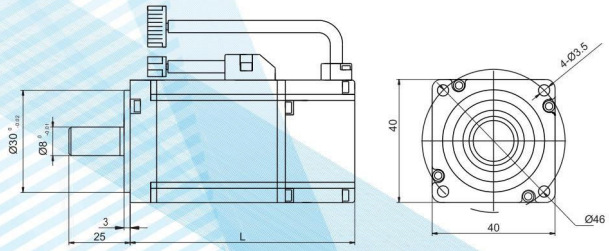
40 series motor — Rated voltage 220V,48V

Parameter

Motor Model	AMS40-M00130		AMS40-M00330	
Rated Power(KW)	50	50	100	100
Rated linear voltage(V)	48	220	48	220
Rated linear current(A)	1.1	0.4	2.5	0.9
Rated speed(rpm)	3000	3000	3000	3000
Rated torque(N.m)	0.16	0.16	0.32	0.32
Peak torque(N.m)	0.48	0.32	0.95	0.64
Back electromotive force(V/1000r/min)	9.2	36.8	8.2	32.8
Torque factor(N.m/A)	0.145	0.4	0.128	0.36
Rotor inertia(kg.m²)	0.025×10^{-4}	0.025×10^{-4}	0.051×10^{-4}	0.051×10^{-4}
Winding(between line)resistance(Ω)	6.75	108	2.2	34
Winding(between line)inductance(mH)	7.5	108	3	40
Electrical time constant(Ms)	1.11	1.0	1.36	1.18
Weight(kg)	0.32	0.32	0.47	0.47
Encoder resolution(PPR)	2500			
Motor insualtion class	Class B(130℃)			
Protection degree	IP65			
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity＜90%			

Installation size

Rated torque(N.m)	0.16	032
L (MM)	75	90



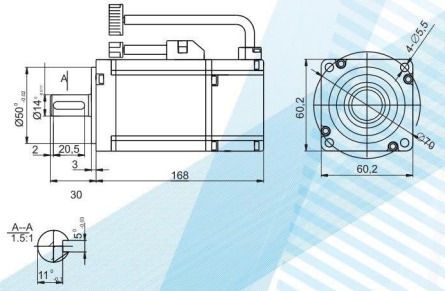
60 series motor — Rated voltage 220V

Parameter

Motor Model	AMS60-M00630	AMS60-M01330	AMS60-M01930
Rated Power(KW)	200	400	600
Rated linear voltage(V)	220	220	220
Rated linear current(A)	1.5	2.8	3.5
Rated speed(rpm)	3000	3000	3000
Rated torque(N.m)	0.637	1.27	1.91
Peak torque(N.m)	1.911	3.8	5.73
Back electromotive force(V/1000r/min)	28	28	28
Torque factor(N.m/A)	0.42	0.5	0.55
Rotor inertia(kg.m²)	0.17×10-4	0.302×10-4	0.438×10-4
Winding(between line)resistance(Ω)	11.6	5.83	3.49
Winding(between line)inductance(mH)	22	12.23	8.47
Electrical time constant(Ms)	1.9	2.1	2.4
Weight(kg)	1.11	1.33	1.78
Encoder resolution(PPR)	2500		
Motor insualtion class	Class B(130℃)		
Protection degree	IP65		
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity＜90%		

Installation size

Rated torque(N.m)	0.6	1.3	1.9
L (MM)	116	141	169



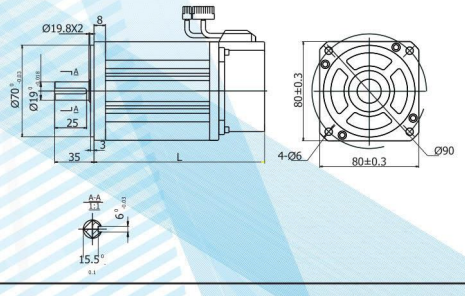
80 series motor — Rated voltage 220V

Parameter

Motor Model	AMS80-M01330	AMS80-M02430	AMS80-M03520	AMS80-M04025
Rated Power(KW)	0.4	0.75	0.73	1.0
Rated linear voltage(V)	220	220	220	220
Rated linear current(A)	2	3	3	4.4
Rated speed(rpm)	3000	3000	2000	2500
Rated torque(N.m)	1.27	2.39	3.5	4
Peak torque(N.m)	3.8	7.1	10.5	12
Peak current	6	9	9	13.2
Back electromotive force(V/1000r/min)	40	48	71	56
Torque factor(N.m/A)	0.64	0.8	1.17	0.9
Rotor inertia((kg.m^2)	1.05×10^{-4}	1.82×10^{-4}	2.63×10^{-4}	2.97×10^{-4}
Winding(between line)resistance(Ω)	4.44	2.88	3.65	1.83
Winding(between line)inductance(mH)	7.93	6.4	8.8	4.72
Electrical time constant(Ms)	1.66	2.22	2.4	2.58
Weight(kg)	1.78	2.86	3.7	3.8
Encoder resolution(PPR)	2500			
Motor insualtion class	Class B(130℃)			
Protection degree	IP65			
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity＜90%			

Installation size

Rated torque(N.m)	1.27	2.39	3.5	4
L (MM)	124	151	179	191



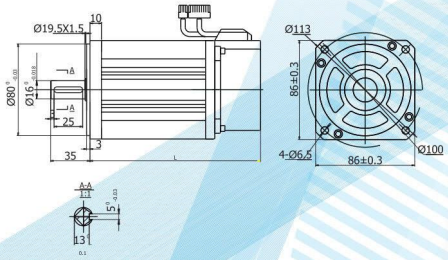
90 series motor — Rated voltage 220V

Parameter

Motor Model	AMS90-M02430	AMS90-M03520	AMS90-M04025
Rated Power(KW)	0.75	0.73	1.0
Rated linear voltage(V)	220	220	220
Rated linear current(A)	3	3	4
Rated speed(rpm)	3000	2000	2500
Rated torque(N.m)	2.4	3.5	4
Peak torque(N.m)	7.1	10.5	12
Peak current	9	9	12
Back electromotive force(V/1000r/min)	51	67	60
Torque factor(N.m/A)	0.8	1.2	1.0
Rotor inertia((kg.m^2)	2.45×10^{-4}	3.4×10^{-4}	3.7×10^{-4}
Winding(between line)resistance(Ω)	3.2	4.06	2.69
Winding(between line)inductance(mH)	7.0	9.7	6.21
Electrical time constant(Ms)	2.2	2.39	2.3
Weight(kg)	3.4	3.8	4.13
Encoder resolution(PPR)	2500		
Motor insualtion class	Class B(130℃)		
Protection degree	IP65		
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity＜90%		

Installation size

Rated torque(N.m)	2.4	3.5	4
L (MM)	150	172	182



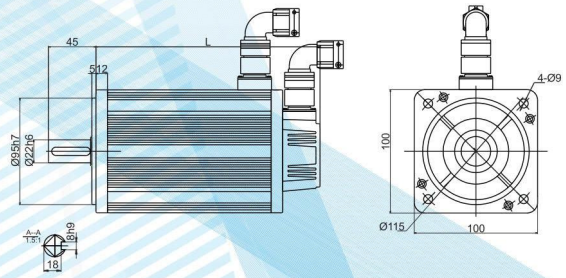
100 series motor — Rated voltage 220V

Parameter

Motor Model	AMS100-M03230	AMS100-M06430
Rated Power(KW)	1.0	2.0
Rated linear voltage(V)	220	220
Rated linear current(A)	5	9.9
Rated speed(rpm)	3000	3000
Rated torque(N.m)	3.2	6.4
Peak torque(N.m)	9.6	19.2
Back electromotive force(V/1000r/min)	39.5	39.0
Torque factor(N.m/A)	0.64	0.65
Rotor inertia(kg.m²)	2.458×10^{-4}	4.422×10^{-4}
Winding(between line)resistance(Ω)	0.98	0.41
Winding(between line)inductance(mH)	8.91	3.92
Electrical time constant(Ms)	9.09	9.56
Weight(kg)	4.04	7.12
Encoder resolution(PPR)	2500	
Motor insualtion class	ClassF	
Protection degree	IP65	
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity＜90%	

Installation size

Motor model	AMS100-M03230	AMS100-M06430
L without brake	153	198
L with permanent magnet brake	194	239



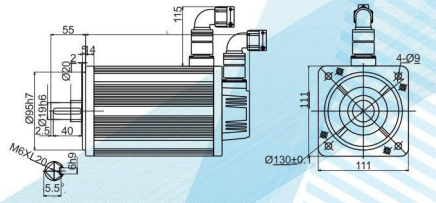
110 series motor — Rated voltage 220V

Parameter

Motor Model	AMS110-M 02030	AMS110-M 04020	AMS110-M 04030	AMS110-M 05030	AMS110-M 06020	AMS110-M 06030
Rated Power(KW)	0.6	0.8	1.2	1.5	1.2	1.8
Rated linear voltage(V)	220	220	220	220	220	220
Rated linear current(A)	2.5	3.5	5.0	6.0	4.5	6.0
Rated speed(rpm)	3000	2000	3000	3000	2000	3000
Rated torque(N.m)	2	4	4	5	6	6
Peak torque(N.m)	6	12	12	15	12	18
Back electromotive force(V/1000r/min)	56	79	54	62	83	60
Torque factor(N.m/A)	0.8	1.14	0.8	0.83	1.3	1.0
Rotor inertia(kg.m²)	0.31×10^{-3}	0.54×10^{-3}	0.54×10^{-3}	0.63×10^{-3}	0.76×10^{-3}	0.76×10^{-3}
Winding(between line)resistance(Ω)	3.6	2.41	1.09	1.03	1.46	0.81
Winding(between line)inductance(mH)	8.32	7.3	3.3	3.43	4.7	2.59
Electrical time constant(Ms)	2.3	3	3.0	3.33	3.2	3.2
Weight(kg)	4.5	5.5	5.5	6.1	6.7	6.7
Encoder resolution(PPR)	2500					
Motor insualtion class	Class B(130℃)					
Protection degree	IP65					
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity＜90%					

Installation size

Motor model	110 series			
Rated torque(N.m)	2	4	5	6
L without brake	159	189	204	219
L with permanent magnet brake	215	245	260	275
L with electromagnetic brake	233	263	278	293



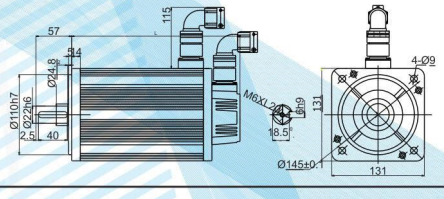
130 series motor — Rated voltage 220V

Parameter

Motor Model	AMS130-M04025	AMS130-M05025	AMS130-M06025	AMS130-M07725	AMS130-M10010	AMS130-M10015	AMS130-M10025	AMS130-M15015	AMS130-M15025
Rated Power(KW)	1.0	1.3	1.5	2.0	1.0	1.5	2.6	2.3	3.8
Rated linear voltage(V)	220	220	220	220	220	220	220	220	220
Rated linear current(A)	4.0	5.0	6.0	7.5	4.5	6.0	10	9.5	13.5
Rated speed(rpm)	2500	2500	2500	2500	1000	1500	2500	1500	2500
Rated torque(N.m)	4	5.0	6	7.7	10	10	10	15	15
Peak torque(N.m)	12	15	18	22	20	25	25	30	30
Back electromotive force(V/1000r/min)	72	68	65	68	140	103	70	114	67
Torque factor(N.m/A)	1.0	1.0	1.0	1.03	2.2	1.67	1.0	1.58	1.11
Rotor inertia(kg.m²)	0.85×10^{-3}	1.06×10^{-3}	1.26×10^{-3}	1.53×10^{-3}	1.94×10^{-3}	1.94×10^{-3}	1.94×10^{-3}	2.77×10^{-3}	2.77×10^{-3}
Winding(between line)resistance(Ω)	2.76	1.84	1.21	1.01	2.7	1.29	0.73	1.1	0.49
Winding(between line) inductance(mH)	6.42	4.9	3.87	2.94	8.8	5.07	2.45	4.45	1.68
Electrical time constant(Ms)	2.32	2.66	3.26	3.80	3.26	3.93	3.36	4.05	3.43
Weight(kg)	7.7	8.2	8.9	10	11.5	11.5	11.5	14.4	14.4
Encoder resolution(PPR)	2500								
Motor insualtion class	Class B(130℃)								
Protection degree	IP65								
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity<90%								

Installation size

Motor model	130 series								
Rated torque	4	5	6	7.7	10			15	
					1000rpm	1500rpm	2500rpm	1500rpm	2500rpm
L without brake	166	171	179	192	213		209	241	231
L with permanent magnet brake	236	241	249	262	283		279	311	301
L with electromagnetic brake	223	228	236	249	294		290	322	312



专业伺服系统生产商 品质彰显价值 服务传递真诚

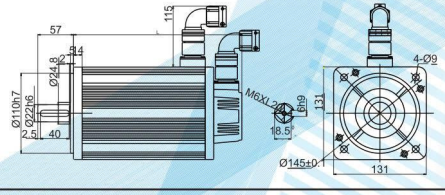
130 series motor — Rated voltage 380V

Parameter

Motor Model	AMS130-M04025	AMS130-M05025	AMS130-M06025	AMS130-M07725	AMS130-M10010	AMS130-M10015	AMS130-M10025	AMS130-M15015	AMS130-M15025
Rated Power(KW)	1.0	1.3	1.5	2.0	1.0	1.5	2.6	2.3	3.8
Rated linear voltage(V)	380	380	380	380	380	380	380	380	380
Rated linear current(A)	2.6	3	3.7	4.7	2.5	3.5	5.9	5	7.4
Rated speed(rpm)	2500	2500	2500	2500	1000	1500	2500	1500	2500
Rated torque(N.m)	4	5	6	7.7	10	10	10	15	15
Peak torque(N.m)	12	15	18	22	20	25	25	30	30
Back electromotive force(V/1000r/min)	113	114	110	111	243	177	115	188	125
Torque factor(N.m/A)	1.54	1.67	1.62	1.64	4	2.85	1.69	3	2.03
Rotor inertia(kg.m²)	0.85×10^{-3}	1.06×10^{-3}	1.26×10^{-3}	1.53×10^{-3}	1.94×10^{-3}	1.94×10^{-3}	1.94×10^{-3}	2.77×10^{-3}	2.77×10^{-3}
Winding(between line)resistance(Ω)	6.27	5.1	3.4	2.49	8.17	4.37	1.986	3.27	1.41
Winding(between line)inductance(mH)	15.53	12.31	9.23	7.08	26.7	13.12	6.2	12.36	5.5
Electrical time constant(Ms)	2.48	2.41	2.7	2.84	3.27	3	3.12	3.78	3.9
Weight(kg)	7.7	8.2	8.9	10	11.5	11.5	11.5	14.5	14.5
Encoder resolution(PPR)	2500								
Motor insualtion class	Class B(130℃)								
Protection degree	IP65								
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity<90%								

Installation size

Motor model	130 series								
Rated torque	4	5	6	7.7	10			15	
					1000rpm	1500rpm	2500rpm	1500rpm	2500rpm
L without brake	166	171	179	192	213		209	241	231
L with permanent magnet brake	236	241	249	262	283		279	311	301
L with electromagnetic brake	223	228	236	249	294		290	322	312



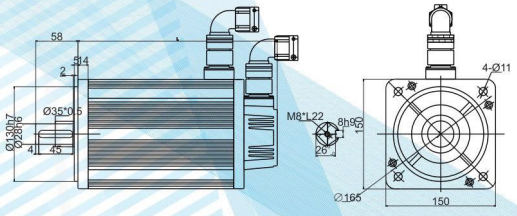
150 series motor — Rated voltage 220V

Parameter

Motor Model	AMS150-M15 025	AMS150-M15 020	AMS150-M18 020	AMS150-M23 020	AMS150-M27 020
Rated Power(KW)	3.8	3.0	3.6	4.7	5.5
Rated linear voltage(V)	220	220	220	220	220
Rated linear current(A)	17	14	17	21	24
Rated speed(rpm）	2500	2000	2000	2000	2000
Rated torque(N.m)	15	15	18	23	27
Peak torque(N.m)	30	30	36	46	54
Back electromotive force(V/1000r/min)	59	70	71	72	64
Torque factor(N.m/A)	0.88	1.07	1.05	1.09	1.1
Rotor inertia(kg.m²)	3.88×10^{-3}	3.88×10^{-3}	4.6×10^{-3}	5.8×10^{-3}	6.8×10^{-3}
Winding(between line)resistance(Ω)	0.23	0.34	0.255	0.2	0.125
Winding(between line)inductance(mH)	1.08	1.55	1.3	1.06	0.7
Electrical time constant(Ms)	4.7	4.56	5.1	5.3	5.6
Weight(kg)	15.2	15.2	17.2	21	23.5
Encoder resolution(PPR)	2500				
Motor insualtion class	Class B(130℃)				
Protection degree	IP65				
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity<90%				

Installation size

Motor model	150 series				
Rated torque	15		18	23	27
	2500rpm	2000rpm			
L without magnet brake	230	230	248	278	302
L with magnet brake	303	303	321	351	375



专业伺服系统生产商 品质彰显价值 服务传递真诚

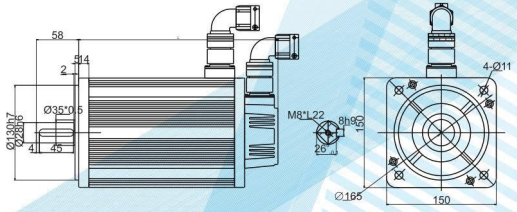
150 series motor — Rated voltage 380V

Parameter

Motor Model	AMS150-M15 025	AMS150-M15 020	AMS150-M18 020	AMS150-M23 020	AMS150-M27 020
Rated Power(KW)	3.8	3.0	3.6	4.7	5.5
Rated linear voltage(V)	380	380	380	380	380
Rated linear current(A)	9.5	6.8	8.5	12	14.5
Rated speed(rpm）	2500	2000	2000	2000	2000
Rated torque(N.m)	15	15	18	23	27
Peak torque(N.m)	30	30	36	46	54
Back electromotive force(V/1000r/min)	106	141	141	126	127
Torque factor(N.m/A)	1.58	2.2	2.12	1.91	1.86
Rotor inertia(kg.m²)	3.88×10^{-3}	3.88×10^{-3}	4.6×10^{-3}	5.8×10^{-3}	6.8×10^{-3}
Winding(between line)resistance(Ω)	0.8	1.38	1.024	0.63	0.5
Winding(between line)inductance(mH)	3.55	6.32	5.19	3.25	2.8
Electrical time constant(Ms)	4.44	4.58	5.068	5.16	5.6
Weight(kg)	15.2	15.2	17.2	21	23.5
Encoder resolution(PPR)	2500				
Motor insualtion class	Class B(130℃)				
Protection degree	IP65				
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity<90%				

Installation size

Motor model	150 series				
Rated torque	15		18	23	27
	2500rpm	2000rpm			
L without magnet brake	230	230	248	278	302
L with magnet brake	303	303	321	351	375



180 series motor one

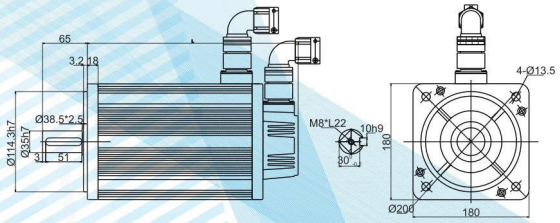
Rated voltage 220V,380V

Parameter

Motor Model	AMS180 M17215		AMS180 M19015		AMS180 M21520		AMS180 M27010	
Rated Power(KW)	2.7		3.0		4.5		2.9	
Rated line voltage(V)	220	380	220	380	220	380	220	380
Rated line current(A)	10.5	6.5	12	7.5	16	9.5	12	7.5
Rated speed(rpm)	1500		1500		2000		1000	
Rated Torque(N.m)	17.2		19		21.5		27	
Peak torque(N.m)	43		47		53		67	
Back electromotive force(V/1000r/min)	112	167	97	158	84	140	138	224
Torque factor(N.m/A)	1.64	2.65	1.58	2.5	1.34	2.26	2.25	3.6
Rotor inertia(kg.m^2)	3.4×10^{-3}		3.8×10^{-3}		4.7×10^{-3}		6.1×10^{-3}	
Winding(between line) resistance(Ω)	0.7	1.47	0.4	1.15	0.24	0.71	0.48	1.37
Winding(between line)inductance(mH)	3.5	7.8	2.42	6.4	1.45	4	3.26	8.6
Electrical time constant(Ms)	5	5.3	6	5.57	6	5.6	6.79	6.27
Weight(kg)	19.5		20.5		22.2		25.5	
Encoder resolution(PPR)	2500							
Motor insulation class	Class B(130℃)							
Protection degree	IP65							
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity<90%							

Installation size

Rated torque	17.2N.m	19N.m	21.5N.m	27N.m	35N.m	48N.m
L without brake	226	232	243	262	292	346
L with permanent magnet brake	308	314	325	344	382	436
L with electromagnetic brake	298	304	315	334	364	418



专业伺服系统生产商 品质彰显价值 服务传递真诚

180 series motor two

Rated voltage 220V,380V

Parameter

Motor Model	AMS180-M027015		AMS180-M35010		AMS180-M35015		AMS180-M48015	
Rated Power(KW)	4.3		3.7		5.5		7.5	
Rated linear voltage(V)	220	380	220	380	220	380	220	380
Rated linear current(A)	16	10	16	10	24	12	32	20
Rated speed(rpm)	1500		1000		1500		1500	
Rated torque(N.m)	27		35		35		48	
Peak torque(N.m)	67		70		70		96	
Back electromotive force(V/1000r/min)	103	172	134	223	90	181	94	156
Torque factor(N.m/A)	1.69	2.7	2.2	3.5	1.45	2.9	1.5	2.4
Rotor inertia(kg.m^2)	6.1×10^{-3}		8.6×10^{-3}		8.6×10^{-3}		9.5×10^{-3}	
Winding(between line)resistance(Ω)	0.28	0.796	0.31	0.93	0.14	0.62	0.104	0.273
Winding(between line)inductance(mH)	1.74	4.83	3.28	9.1	1.0	4	0.77	2.14
Electrical time constant(Ms)	6.2	6	10.58	9.78	7.14	6.45	7.4	7.8
Weight(kg)	25.5		30.5		30.5		40	
Encoder resolution(PPR)	2500							
Motor insualtion class	Class B(130℃)							
Protection degree	IP65							
Using environment	enviroment temperature:-20℃ to +50℃; enviroment humidity: relative humidity<90%							

Installation size

Rated torque	17.2N.m	19N.m	21.5N.m	27N.m	35N.m	48N.m
L without brake	226	232	243	262	292	346
L with permanent magnet brake	308	314	325	344	382	436
L with electromagnetic brake	298	304	315	334	364	418

