

Technical Data  
for the Economy Geared Motor EA Series

Motor Specification

Item	3-Phase Motor	1-Phase Motor
Protection	IP54 with alum alloy terminal box, and other is IP20	
Frame material	Alum alloy for 100W—2200W frame, alum alloy for 1 #, 2#, 3#, 4# gear case, 5#, 6# cast iron for others	
Duty	Continuous running Duty:S1	
INS.class	Optional Regular class B (Class F can choose)	
Environment	Temp: -10℃~+40℃ Humidity: ≤90%	
Voltage	220-240/380-415V, 50/60Hz	110V/50/60Hz, 220V/50/60Hz
Pole	4P(6P)	4P
Height	≤1000m	
Starting	Direct Start	0.1-0.2Kw Capacitor 0.4-1.5Kw Double capacitors
Standard	GB755/IEC-60034	

Capacitor For 1-phase Motor, C-running Type

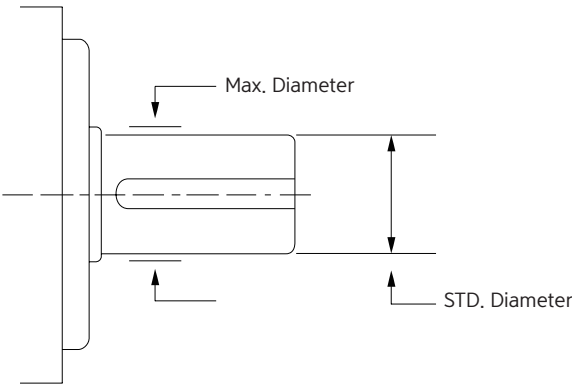
Output Power	Running Capacitor	Starting Capacitor	Running+Starting Capacitor (Ceutrifugal Switch)
100W, 1/8HP	8μF/450V	/	/
200W, 1/4HP	12μF/450V	/	/
400W, 1/2HP	/	/	15μF/450V+75μF/250V
750W, 1HP	/	/	20μF/450V+150μF/250V
1500W, 2HP	/	/	40μF/450V+200μF/250V

Function For Brake Unit

Output Power	Premit Max Rpm	Torque (kg.m)	Clearance (mm)	Weight (kg)
1/8HP4P-1/4HP4P(100W-200W)	4000	0.15-0.4	0.25-0.5	2.0
1/2HP4P-1HP4P(400W-750W)	3600	0.25-0.7	0.25-0.5	4.3
1.5HP4P-2HP4P(1100W-1500W)	3600	0.92-2.0	0.25-0.5	6.3
3HP4P-5HP4P(2200W-3700W)	3600	1.80-3.5	0.25-0.5	7.0

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Available Max Output Shaft Diameter



Gear Box	Atanddre Output Shaft Dia	Max Available! Shaft Dia	Output Eed Bearing
1#	ø18	ø20	6004
2#	ø22	ø25	6205
3#	ø28	ø30	6206
4#	ø32	ø35	6207
5#	ø40	ø45	6209
6#	ø50	ø55	6211

Main Parts Notes

Parts Name	Notes
Gearbox	The output shaft diameter of gearbox 1#. 2#. 3#. 4# are 18, 22, 28, 32 separately. The material of gearbox is Al. alloy. 5#. 6# are 40, 50 respectively. Gearbox is made of cast iron.
Gear piece	The material 40Cr mixes to HB280, then dealt with high frequency quencher HRC50. Gear should be processed by milling with high precision. The class is 6.
Gear shaft	The material 20CrMnTi will be changed into HRC60 through processing of cementite quencher. Gear shaft will be processed with gear hobbing. Precision class is 6.
Motor shaft	The material 20CrMnTi will be changed into HRC60 through processing of cementite quencher. Gear shaft will be processed with gear hobbing. Precision class is 6.
Ball bearing	We adopt tight bearing with high precision, to make sure longterm running life.
Oil seal	Gear shaft gives priority to enduring high temp, avoiding oil infiltration.
Terminal box	Two type. One is Al alloy, which equipes good capability of waterproof and dustproof. Protection grade is Ip54. The other is steel case with deft structure. Protection grade is IP20.