



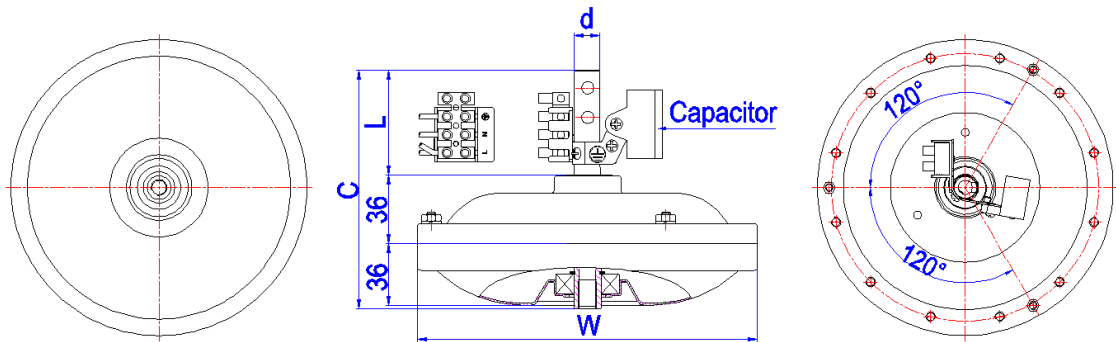
### Brief Introduction :

1. This is an external rotor motor specially designed for ceiling fan.
2. The rated voltage can be 100-240V (50, 60, 50/60Hz).
3. Single speed, 2 speeds, 3 speeds and 4 speeds are all available.
4. The motor can be made of 2, 4 or 8 poles as needed.
5. The motor can be loaded with 3 or 4 blades as needed.
6. The standard shaft diameter (d) is  $\varnothing 15\text{mm}$ . It can be others, with D-cuts, threads, etc., and the length (L) can be any as needed.
7. The stator stack height (H) can be any from 10mm to 30mm.
8. The bearing brackets can be made either by galvanized steel sheet (existing) or zinc-aluminum alloy die-cast (to be developed).
9. The rotor bearings are ball bearings to reach long lifetime.
10. The motor rotation can be either in CW or CCW direction as needed.
11. RoHS compliant is available.

### Typical Application :

This motor is specially designed for **42-48" Ceiling Fans** of either 3 blades or 4 blades.

### Outline Dimensions (All dimensions in millimeter) :



Indication of Letters:      C. Shaft Total Length      d. Shaft Diameter      L. Shaft Extended Length      W. Motor Diameter

- Remarks: 1) Only the dimensions marked in letters are changeable as needed. Other dimensions are fixed.  
 2) The height and the shape of the above brackets are not changeable unless we open new moulds for them.

### Technical Performances (tested under room temperature) :

Specs Model	Stack Height (mm)	Fan Size & No. of Blades	Rated Supply		Number of Poles	Speed Level	No Load		On Load			
			Volt.	Freq.			Current	Power	Current	Speed	Power	Torque
			(VAC)	(Hz)			(Amp)	(Watts)	(Amp)	(rpm)	(Watts)	(mNm)
NCP15314 (White Cover)	14	42" of 4 blades or 48" of 3 blades	220	50	4	F5	0.211	46	0.320	210	68	1546
						F4	0.191	36	0.245	160	43	1283
						F3	0.180	31	0.225	150	37	1178
						F2	0.163	24	0.197	130	29	1065
						F1	0.137	16	0.155	100	19	907
NCP15314 (Black Cover)	14	42" of 4 blades or 48" of 3 blades	220	50	4	F5	0.283	61	0.361	285	80	1340
						F4	0.242	42	0.293	210	43	978
						F3	0.223	33	0.265	190	35	880
						F2	0.198	24	0.224	150	25	796
						F1	0.160	15	0.170	110	15	651

**Remarks:** This catalog listed just some typical models. The performances as above are just for reference only. We can adjust our motor specifications according to what the customer needs. OEM & ODM are both welcome.