

GF3 Series Gear Motor (Right Angle Shaft Type)

GF3 200W

Small AC Gear Motor

GF3 Single-phase/Three-phase 200W GF3S [Concentric Hollow Shaft] / GF3F [Concentric Solid Shaft]

Motor Parameters

Motor specifications	Power (W)	Insulation grade	Voltage (V)	Frequency (Hz)	Rated current (A)	Rated operating speed (rpm)	Capacitance (μF)
Single-phase	200	F	220	50	2.0	1400	16
			110	50	4.0	1400	16
Three-phase	200	F	380	50	0.67	1400	-
			220	50	1.15	1400	-

Torque Table of Gear Motor

Motor power	Shaft diameter	Reduction ratio	Operating speed of output shaft (rpm)	Allowable torque of output shaft		Allowable O.H.L of output shaft		Allowable axial load of output shaft		Outline Dimension	
			50Hz	N.m	Kgf.m	N	Kgf	N	Kgf	Gear motor with brake	
										GF3S	GF3F
Single-phase Three-phase 200W	20 (18) 25 (22)	1/ 10	150	11	1.1	1520	155	380	39	Figure GF3-7	Figure GF3-11
		1/ 15	100	17	1.7	1720	175	429	44		
		1/ 20	75	23	2.3	1860	190	466	48		
		1/ 25	60	27	2.8	2010	205	502	51		
		1/ 30	50	33	3.4	2110	215	527	54	Figure GF3-8	Figure GF3-12
		1/ 40	37.5	44	4.5	2300	235	576	59		
		1/ 50	30	55	5.6	2450	250	613	63		
	30 (28)	1/ 60	25	67	6.8	2550	260	637	65	Figure GF3-9 Figure GF3-10	Figure GF3-13 Figure GF3-14
		1/ 10	150	11	1.1	1520	155	380	39		
		1/ 15	100	17	1.7	1720	175	429	44		
		1/ 20	75	23	2.3	1860	190	466	48		
		1/ 25	60	27	2.8	2010	205	502	51		
		1/ 30	50	33	3.4	2110	215	527	54		
		1/ 40	37.5	44	4.5	2300	235	576	59		
		1/ 50	30	55	5.6	2450	250	613	63		
		1/ 60	25	67	6.8	2550	260	637	65		
		1/ 80	18.8	84	8.6	3090	315	775	79		
		1/ 100	15	105	10.7	3140	320	785	80		
		1/ 120	12.5	126	12.9	3140	320	785	80		
		1/ 160	9.4	169	17.9	3140	320	785	80		
		1/ 200	7.5	184	18.8	3140	320	785	80		

Notes: 1. The allowable O.H.L of the output shaft should be considered when the chain tooth, conveyor belt, and gear are used to connect the reducer shaft and the supporting machines.

2. Location of allowable O.H.L load in the table (solid shaft: center of the output shaft; hollow shaft: at 20mm to the end surface of the output shaft).

3. The value in the bracket is the shaft diameter of GF3F concentric solid shaft.

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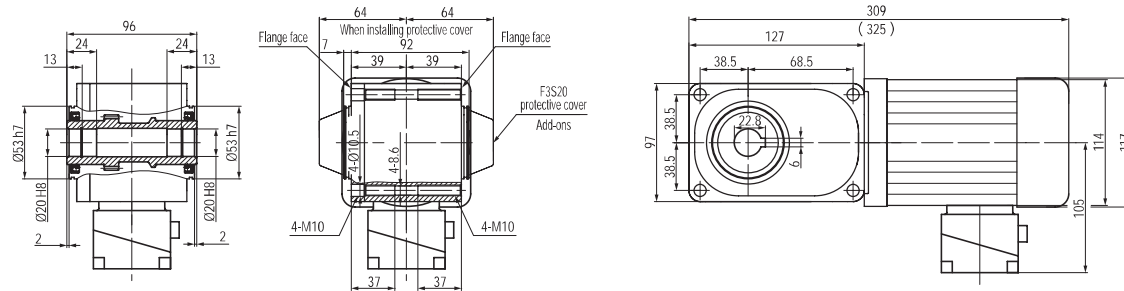
Small AC Gear Motor

GF3 Single-phase/Three-phase 200W GF3S [Concentric Hollow Shaft] / GF3F [Concentric Solid Shaft]

Outline Dimension

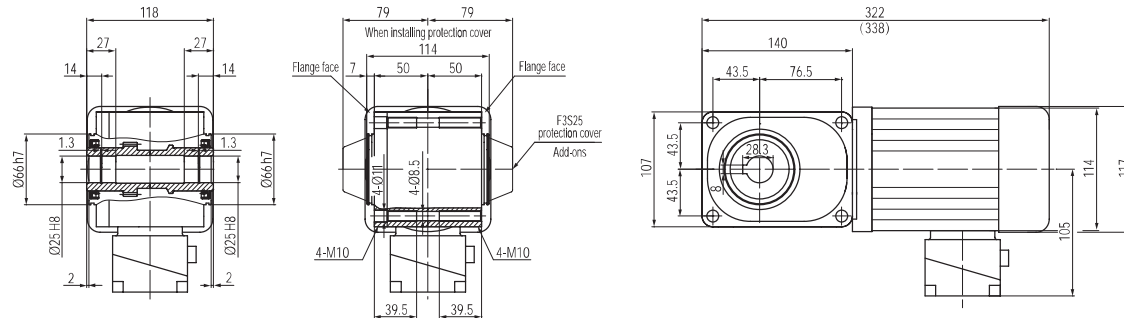
GF3S20N010-60-200

Figure GF3-7



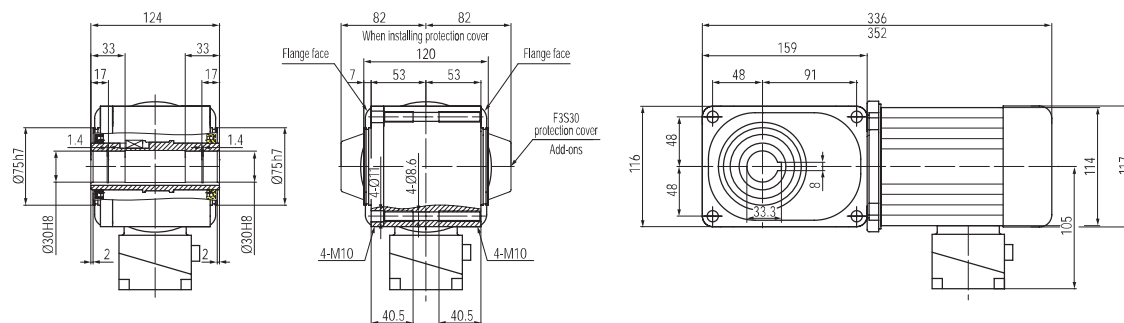
GF3S25N010-60-200

Figure GF3-8



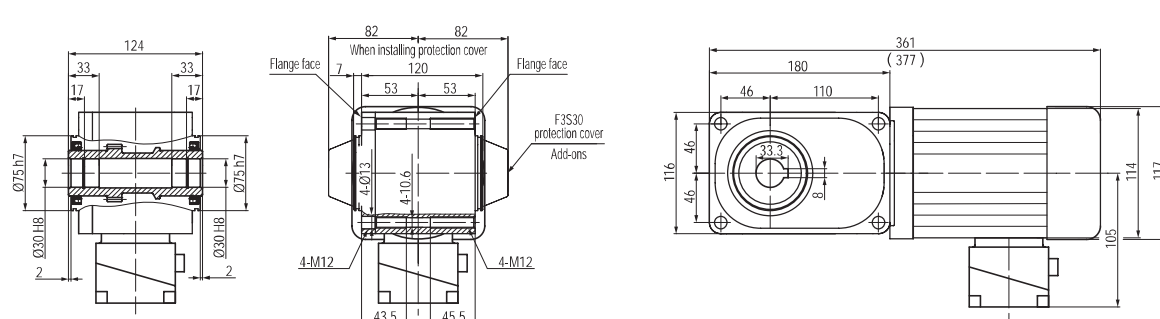
GF3S30N010-100-200

Figure GF3-9



GF3S30N0120-200-200

Figure GF3-10



GF3 Series Gear Motor (Right Angle Shaft Type)

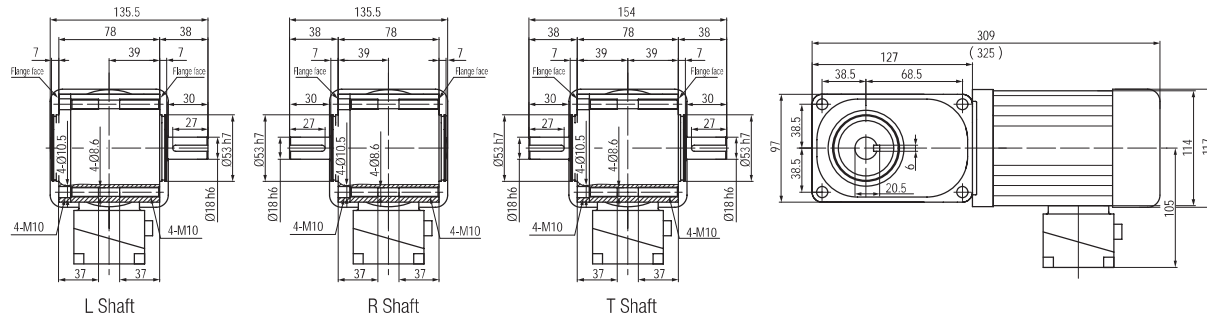
GF3 200W

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Outline Dimension

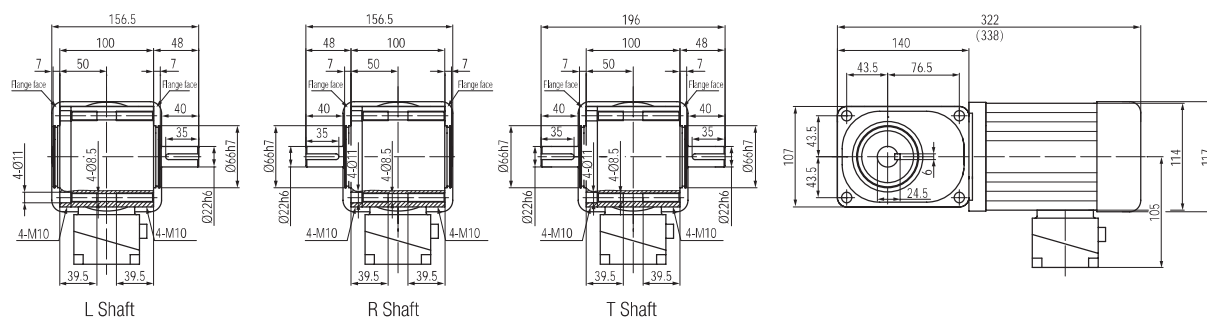
GF3F18^LR010-60-200

Figure GF3-11



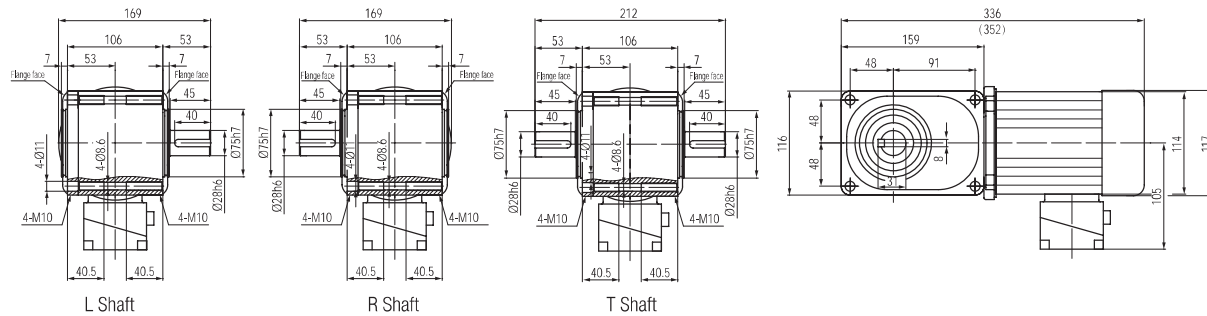
GF3F22^LR010-60-200

Figure GF3-12



GF3F28^LR010-100-200

Figure GF3-13



GF3F28^LR120-200-200

Figure GF3-14

