

GF Series Gear Motor (Right Angle Shaft Type)

GF 200W

GF Single-phase/Three-phase 200W GFS [Hollow Shaft] / GFF [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	
										GFS	GFF
Single-phase Three-phase 200W	25 (22)	1/10	150	11	1.1	1910	195	481	49	Figure GF-3	Figure GF-5
		1/15	100	17	1.7	2160	220	539	55		
		1/20	75	23	2.3	2400	245	598	61		
		1/25	60	27	2.8	2550	260	637	65		
		1/30	50	33	3.4	2650	270	667	68		
		1/40	37.5	44	4.5	2840	290	716	73		
		1/50	30	55	5.6	2990	305	745	76		
		1/60	25	67	6.8	3090	315	775	79		
	30 (28)	1/10	150	11	1.1	1910	195	481	49	Figure GF-4	Figure GF-6
		1/15	100	17	1.7	2160	220	539	55		
		1/20	75	23	2.3	2400	245	598	61		
		1/25	60	27	2.8	2550	260	637	65		
		1/30	50	33	3.4	2650	270	667	68		
		1/40	37.5	44	4.5	2840	290	716	73		
		1/50	30	55	5.6	2990	305	745	76		
		1/60	25	67	6.8	3090	315	775	79		
		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	17.2	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 GFF concentric solid shaft.

Detailed dimensions of GFS output shafts

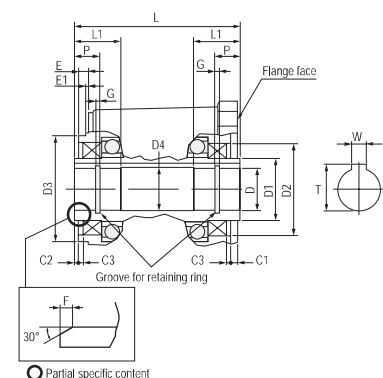
Shaft diameter	D (H8)	D1	D2 (H8)	D3 (H8)	D4	W	T	L	L1	P	C1	C2	C3	E	E1	F	G
25	Φ25	Φ39	Φ58	Φ66	Φ26	8	28.3	108	27	14	6	2	3	6	0	2	1.35
30	Φ30	Φ44	Φ65	Φ75	Φ31	8	33.3	117	33	17	5	2	3	7	0	2	1.35

Notes: 1. The new JIS key adopts the JIS B1301-1996 general standard.

2. Materials used for keys without output shaft.

3. C-type retainer rings adopt JIS B2804-1978 standard.

4. No C-type damping ring available.



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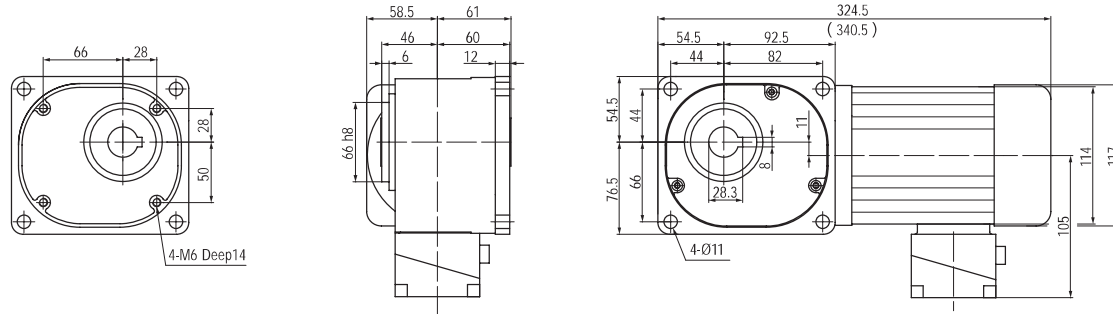
Small AC Gear Motor

GF Single-phase/Three-phase 200W GFS [Hollow Shaft] / GFF [Solid Shaft]

Outline Dimension

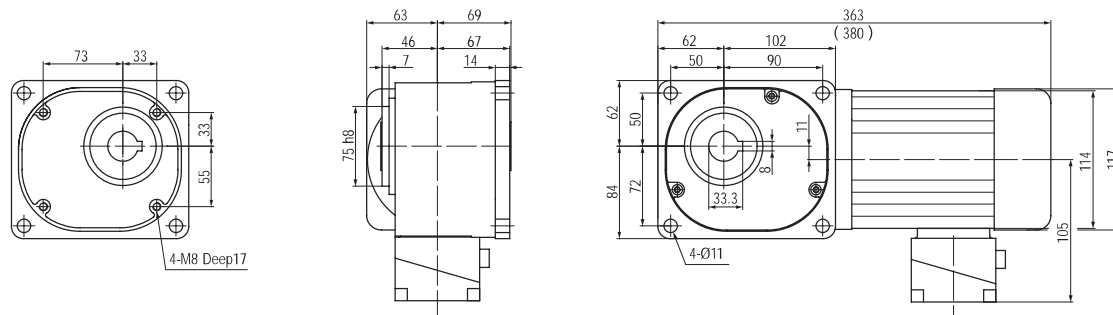
GFS25N010-60-200

Figure GF-3



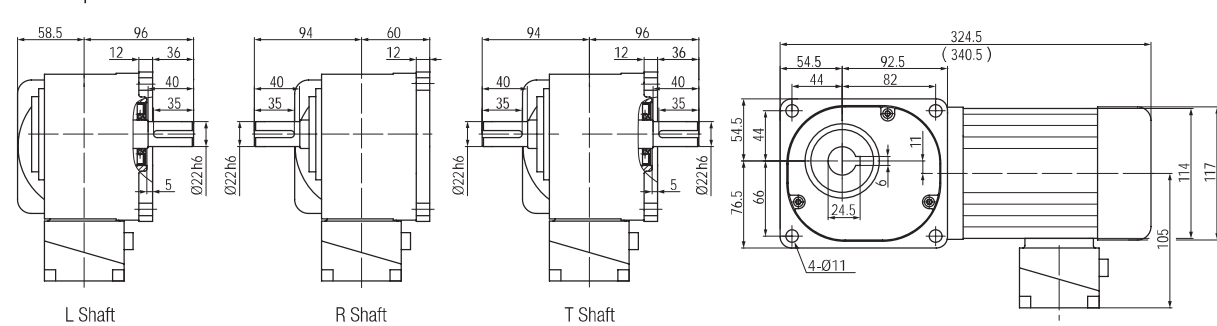
GFS30N010-200-200

Figure GF-4



GFF225010-60-200

Figure GF-5



GFF285010-200-200

Figure GF-6

