

GF3 Series Gear Motor (Right Angle Shaft Type)

GF3 400W

Small AC Gear Motor

GF3 Single-phase/Three-phase 400W 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	400	F	220	50	3.8	1420	30
			110	50	7.6	1420	30
Three-phase	400	F	380	50	1.24	1400	-
			220	50	2.13	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 400W	30 (28)	1/ 10	150	23	2.3	1910	195	475	48	Figure GF3-15	Figure GF3-18
		1/ 15	100	33	3.4	2160	220	539	55		
		1/ 20	75	44	4.5	2400	245	600	61		
		1/ 25	60	55	5.6	2550	260	637	65		
		1/ 30	50	67	6.8	2650	270	662	68		
		1/ 40	37.5	88	9	2840	290	711	73		
		1/ 50	30	111	11.3	2990	305	747	76		
		1/ 60	25	133	13.6	3090	315	767	78		
	35 (32)	1/ 10	150	23	2.3	1910	195	475	48	Figure GF3-16	Figure GF3-19
		1/ 15	100	33	3.4	2160	220	539	55		
		1/ 20	75	44	4.5	2400	245	600	61		
		1/ 25	60	55	5.6	2550	260	637	65		
		1/ 30	50	67	6.8	2650	270	662	68		
		1/ 40	37.5	88	9	2840	290	711	73		
		1/ 50	30	111	11.3	2990	305	747	76		
		1/ 60	25	133	13.6	3090	315	767	78	Figure GF3-17	Figure GF3-20
		1/ 80	18.8	169	17.2	3480	355	873	89		
		1/100	15	211	21.5	3530	360	883	90		
		1/120	12.5	253	25.8	3530	360	883	90		
		1/160	9.4	270	27.6	3630	370	912	93		
		1/200	7.5	270	27.6	3630	370	912	93		

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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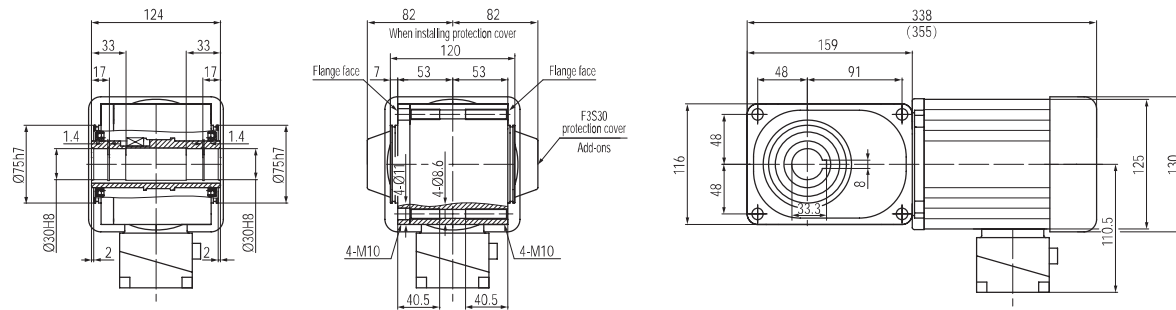
GF3 400W

GF3 Single-phase/Three-phase 400W GF3S [Concentric Hollow Shaft] / GF3F [Concentric Solid Shaft]

Outline Dimension

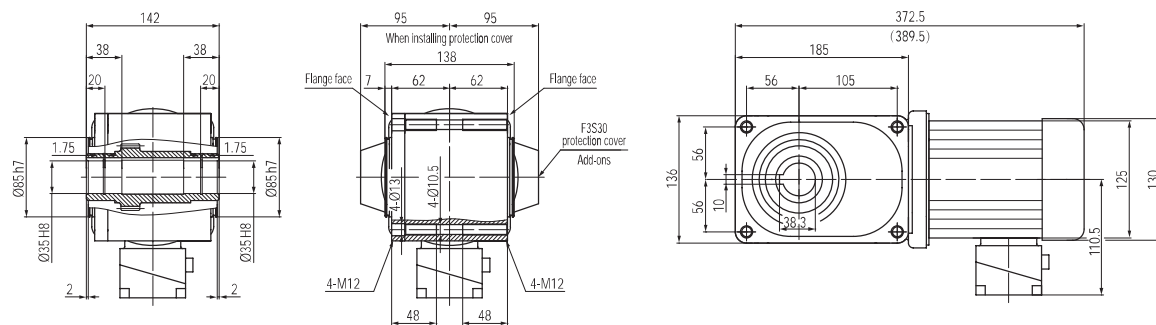
GF3S30N010-60-400

Figure GF3-15



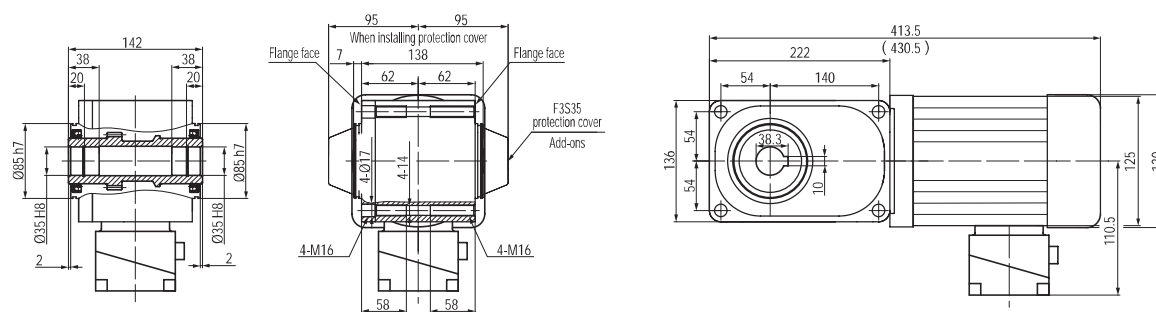
GF3S35N010-60-400

Figure GF3-16



GF3S35N080-200-400

Figure GF3-17



GF3 400W

Outline Dimension

Figure GF3-18

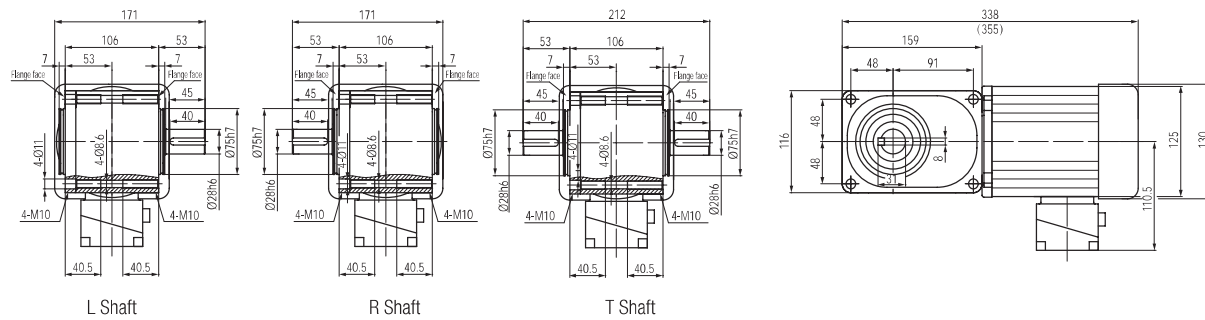


Figure GF3-19

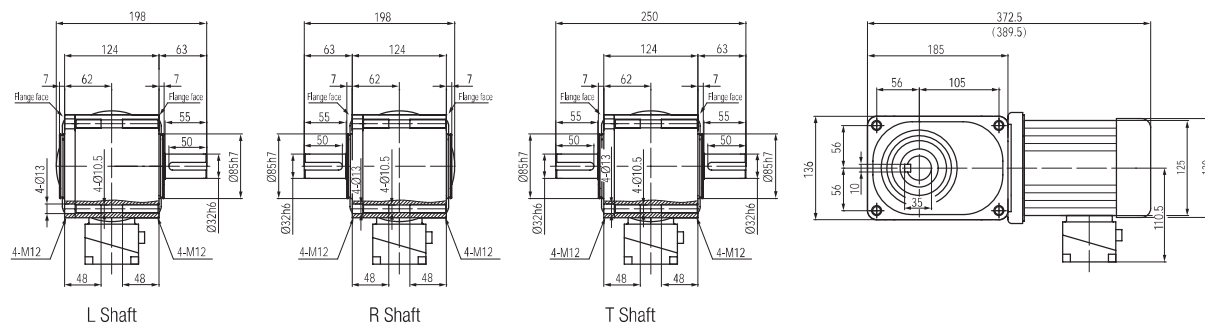


Figure GF3-20

