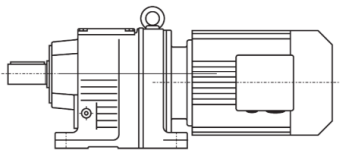


R (RF, RX, RXF) ...Y...

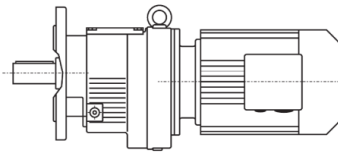
Customers provide the motor by themselves need connected flange

R series gear units are available in the following designs:



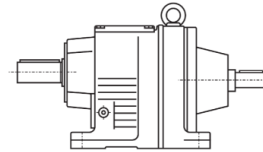
R...Y...

Foot-mounted helical gear units



RF...Y...

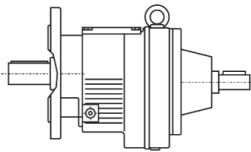
Flange-mounted helical gear units



RS...

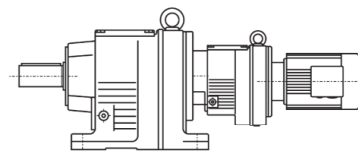
Foot-mounted helical gear units with solid shaft input

R



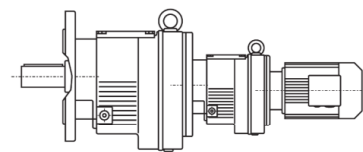
RFS...

Flange-mounted helical gear units with solid shaft input



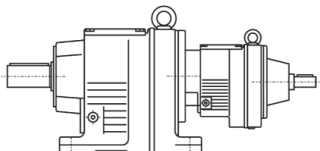
R...R...Y...

Foot-mounted combi-type helical gear units



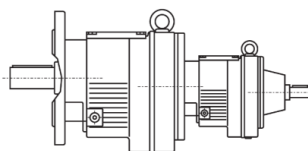
RF...R...Y...

Flange-mounted combi-type helical gear units



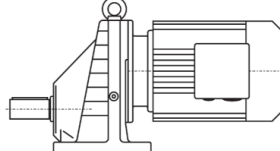
RS...R...

Foot-mounted combi-type helical gear units with solid shaft input



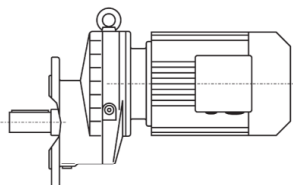
RFS...R...

Flange-mounted combi-type gear units with shaft input



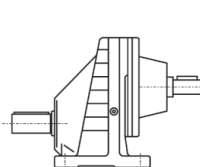
RX...Y...

Foot-mounted single-stage helical gear units



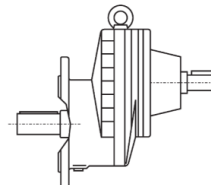
RXF...Y...

Flange-mounted single-stage helical gear units



RXS...

Foot-mounted single-stage helical gear units with solid shaft input

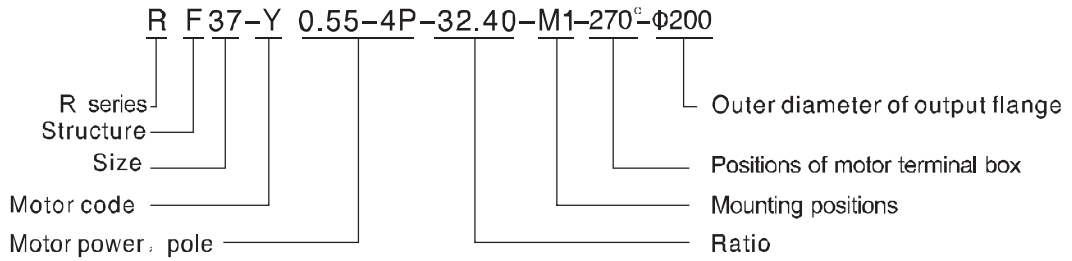


RXFS...

Flange-mounted single-stage helical gear units with solid shaft input



Type Designations:



R series:
helical gear units

Structure:
 Foot-mounted (-)
 Flange-mounted (F)
 Foot-mounted with shaft input (S)
 Flange-mounted with shaft input (FS)

Size:
(see selection table)

Motor code:
 Common motor Y(Y2)
 Flameproof motor B
 Direct current motor Z
 Brake motor YEJ
 Multi-speed motor D
 Variable frequency motor YVP
 Electromagnetic variable speed motor YCT
 Metallurgy hoisting motor R
 Transduction braking motor YVPJ
 Roller way G

Motor power, pole:
See selection table

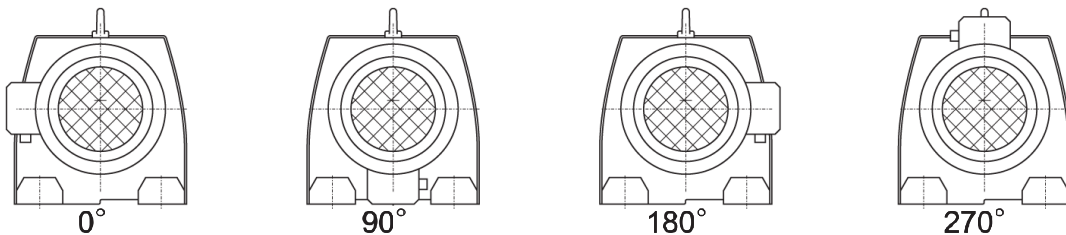
Ratio:
See selection table

Mounting positions:
M1, M2, M3, M4, M5.(See page3)

Positions of motor terminal box:
0°, 90°, 180°, 270°(See page2)

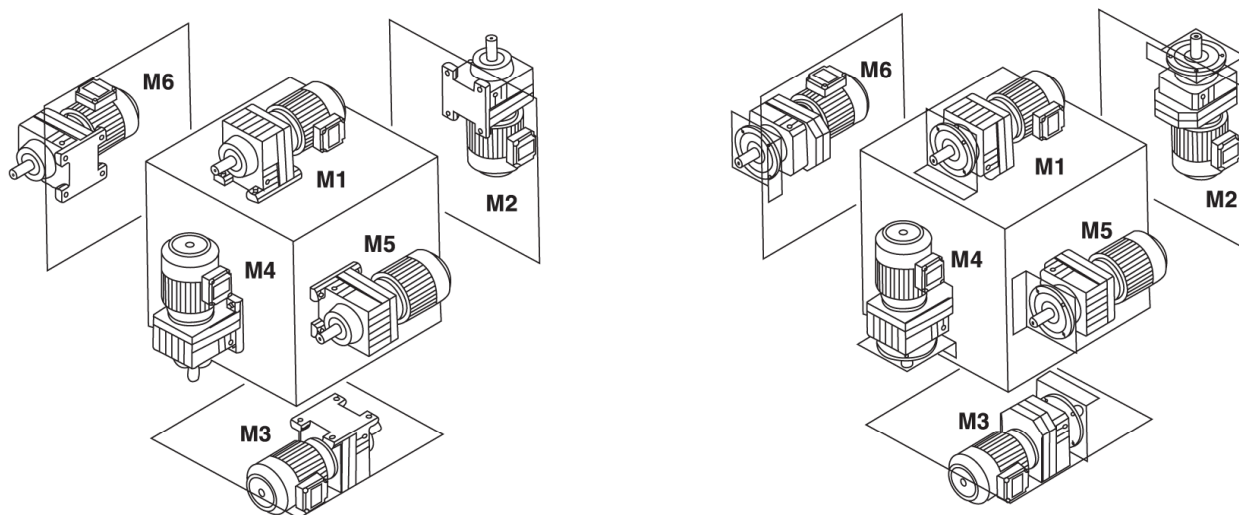
Outer diameter of output flange:
See the chart of mounting dimension (It will be omitted when foot mounting)

Positions of motor terminal box:





Mounting positions



R

Input power rating and permissible torque

Size	17	27	37	47	57	67	77	87	97	107	137	147	167
Structure	R						RF						
Input power rating (kW)	0.18~0.75	0.18~3	0.18~3	0.18~5.5	0.18~7.5	0.18~7.5	0.18~11	0.55~22	0.55~30	2.2~45	5.5~55	11~90	11~160
Ratio	3.83~74.84	3.37~135.09	3.33~134.82	3.83~176.88	4.39~186.89	4.29~199.81	5.21~195.24	5.36~246.54	4.49~289.74	5.06~249.16	5.15~222.60	5.00~163.31	10.24~229.71
Permissible torque (N·m)	85	130	200	300	450	600	820	1550	3000	4300	8000	13000	18000

Size	37	57	67	77	87	97	107	127	157	
Structure	RX				RXF					
Input power rating (kW)	0.18~1.1	0.18~5.5	0.18~7.5	1.1~11	3~22	5.5~30	7.5~45	7.5~90	11~132	
Ratio	1.62~4.43	1.3~5.5	1.4~6.07	1.42~8.00	1.39~8.65	1.42~8.23	1.44~6.63	1.51~6.2	1.57~6.2	
Permissible torque (N·m)	20	70	135	215	400	600	830	1110	1680	

Gear unit weight

Size	R17	R27	R37	R47	R57	R67	R77	R87	R97	R107	R137	R147	R167
Weight (kgs)	4	5.5	8.5	10	18	25	36	63	101	153	220	400	700
Gear unit type	RX37	RX57	RX67	RX77	RX87	RX97	RX107	RX127	RX157				
Weight (kgs)	5	8	14	23	39	70	100	150	250				

The marked weight is average value, it has no constraint force.



Oil

Size	Oil level(L)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
R17	0.25	0.6	0.35	0.6	0.35	0.35
R27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
R37	0.3/1	0.9	1	1.1	0.8	1
R47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
R57	0.8/1.7	1.9	1.7	2.1	1.7	1.7
R67	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
R77	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
R87	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
R97	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
R107	6/13.7	16.3	16.9	19.2	13.2	15.9
R137	10/25	28	29.5	31.5	25	25
R147	15.4/40	46.5	48	52	39.5	41
R167	27/70	82	78	88	66	69

Size	Oil level(L)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
RF17	0.25	0.6	0.35	0.6	0.35	0.35
RF27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
RF37	0.4/1	0.9	1	1.1	0.8	1
RF47	0.75/1.5	1.6	1.5	1.7	1.5	1.5
RF57	0.8/1.7	1.8	1.7	2	1.7	1.7
RF67	1.2/2.5	2.7/3.6	2.7	3.1	1.9	2.1
RF77	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
RF87	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
RF97	5.1/10.2	11.9/14	11.2	14	11.2	11.8
RF107	6.3/14.9	15.9	17	19.2	13.1	15.9
RF137	9.5/25	27	29	32.5	25	25
RF147	16.4/42	47	48	52	42	42
RF167	26/70	82	78	88	65	71

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
RX37/RXF37	0.45/0.4	0.6	1.1/0.9	1.1/0.9	0.7/0.6	0.7/0.6
RX57/RXF57	0.6/0.5	0.8	1.3/1.1	1.3/1.1	0.9/0.7	0.9/0.7
RX67/RXF67	0.8/0.7	0.8	1.7/1.5	1.9/1.7	1.1/1	1.1/1
RX77/RXF77	1.1/0.9	1.5	2.6/2.4	2.7/2.5	1.6	1.6
RX87/RXF87	1.7/1.6	2.5	4.8/4.9	4.8/4.7	2.9	2.9
RX97/RXF97	2.1	3.4/3.6	7.4/7.1	7	4.8	4.8
RX107/RXF107	3.9/3.1	5.6/5.9	11.6/11.2	11.9/10.5	7.7/7.2	7.7/7.2
RX127/RXF127	5.6/5.9	11.6/11.2	21.9/20.5	22.7/22.2	9.7/9.2	9.7/9.2
RX157/RXF157	11.6/11.2	21.9/20.5	31.3/30.5	32.7/32.2	13.2/12.7	13.2/12.7

Note: Combi-type gear units must be filled with the larger oil volume.