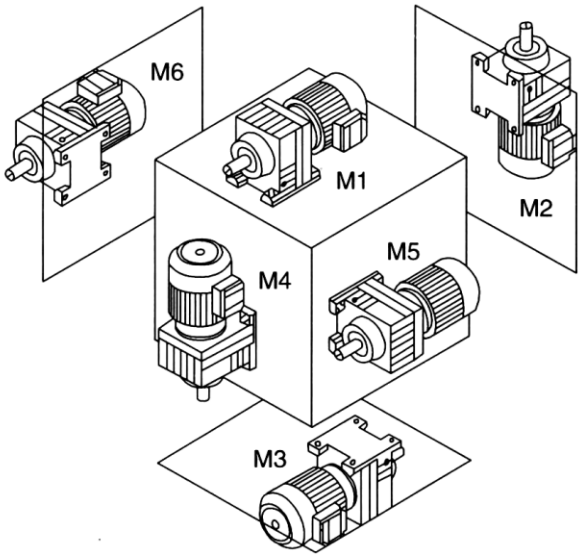
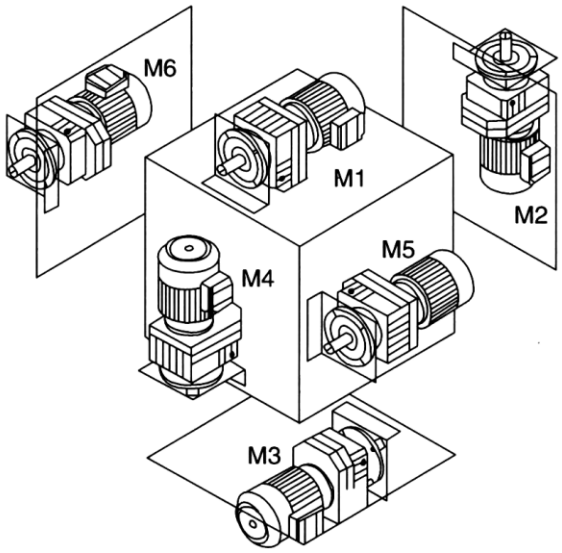


Mounting Arrangements Description



Different kinds of mounting arrangements are defined as following:

M1—horizontally mounted motor, unit foot (for GR, GRX) or unit base (for GRF, GRXF) is at bottom.

M2—motor is vertically mounted downwards.

M3—horizontally mounted motor, unit foot (for GR, GRX) or unit base (for GRF, GRXF) is top.

M4—motor is vertically mounted upwards.

M5—horizontally mounted motor, if placed on M1 position, left side of unit turns to bottom (view point: towards from motor side).

M6—horizontally mounted motor, if placed on M1 position, left side of unit turns to top (view point: towards from motor side).

(Gear unit weight)

Size	RR17	RR27	RR37	RR47	RR57	RR67	RR77	RR87	RR97	RR107	RR137	RR147	RR167	RR177
Weight	5	6	7.5	13	21	25	35	67	100	187	280	450	795	1250
Size	RRX57	RRX67	RRX77	RRX87	RRX97	RRX107	RRX137							
Weight	11	15	25	47	80	115	130							

(Note: The weights are mean values, without the motor, only for reference.)

Description of selection table

Constant power

n_a [r/min]	M_a [Nm]	i	F_{ra} [kN]	F_B	Type size Pole

Output speed — Output torque; Gear unit ratio; Permissible radial load; Service factor

Constant torque

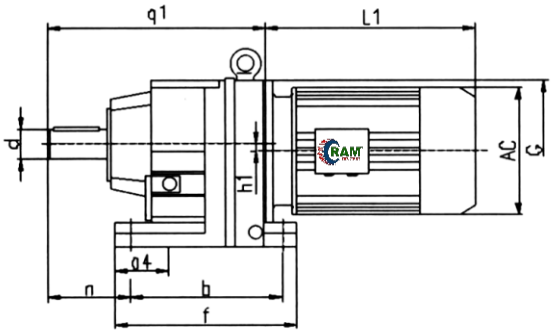
Mamax [Nm]	n_a [r/min]	i	F_m [kN]	Type size	P [kW]/4P

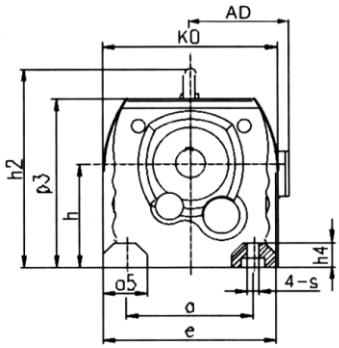
Max. output torque; Output speed; Gear unit ratio; Permissible radial load; Motor power

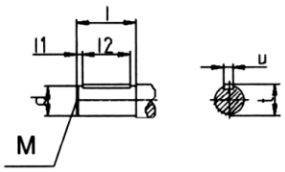
+91-99989 78343 / 74900 03718 ramindustries.ahd@gmail.com www.ramgearbox.com

RR17-177

RR17-177
Mounting Dimensional Description







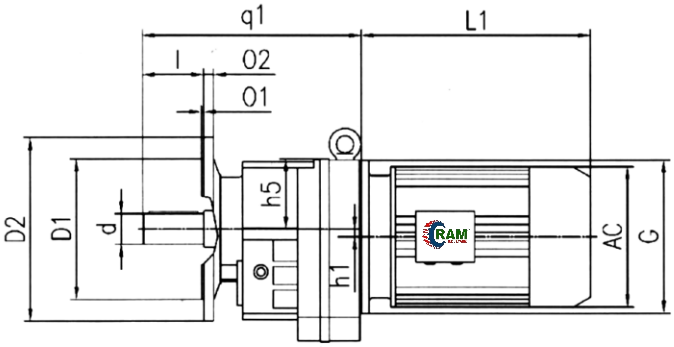
Specification	q_1 e	d s	n h_4	a_4 K0	b l	f l_1	h_1 l_2	P_3 M	h u	a_5 t	a h_2	G	Motor Size AC	AD	L1
RR17	162 135	Ø20k6 Ø9	58 12	28 140	110 40	131 4	0 32	134 M6	$75_{-0.5}$ 6	25 22.5	110 /	Ø 120	Please see appendix A-2		
RR27	193 145	Ø25k6 Ø9	75 18	27 151	130 50	152 3.5	3.4 40	147 M10	$90_{-0.5}$ 8	32 28	110 /	Ø 120			
RR37	201 145	Ø25k6 Ø9	75 18	40 161	130 50	160 3.5	10.1 40	151 M10	$90_{-0.5}$ 8	35 28	110 /	Ø 120			
RR47	235 170	Ø30k6 Ø13.5	90 24	50 178	165 60	195 3.5	14 50	187 M10	$115_{-0.5}$ 8	135 /	135 /	Ø 160			
RR57	257 190	Ø35k6 Ø13.5	100 24	60 202	165 70	200 7	11.2 56	187 M12	$115_{-0.5}$ 10	55 38	135 /	Ø 160			
RR67	280 210	Ø35k6 Ø14	100 30	60 215	195 70	235 7	20.7 56	212 M12	$130_{-0.5}$ 10	60 38	150 243	Ø 160			
RR77	300 230	Ø400 Ø70H7	115 30	60 235	205 80	245 5	15.9 70	228 M16	$140_{-0.5}$ 12	60 43	170 269	Ø 200			
RR87	372 290	Ø50k6 Ø17.5	140 45	90 297	260 100	310 10	12.6 80	295 M16	$180_{-0.5}$ 14	75 53.5	215 345	Ø 250			
RR97	440 340	Ø60m6 Ø22	160 55	100 348	310 120	365 5	10.2 110	368 M20	$225_{-0.5}$ 18	90 64	250 418	Ø 300			
RR107	495 400	Ø70m6 Ø26	185 65	125 409	370 140	440 7.5	20.4 125	408 M20	$250_{-0.5}$ 20	110 74.5	290 475	Ø 350			
RR137	589 450	Ø90m6 Ø33	220 70	130 458	410 170	490 5	25.1 160	495 M24	315_{-1} 25	110 95	340 562	Ø 400			
RR147	695 530	Ø110m6 Ø39	260 80	150 540	500 210	590 15	33.4 180	565 M24	355_{-1} 28	150 116	380 637	Ø 450			
RR167	790 660	Ø120m6 Ø39	270 100	160 670	580 210	670 5	59.9 200	675 M24	425_{-1} 32	160 127	500 749	Ø 550			
RR177	955 780	Ø160m6 Ø45	280 110	280 780	790 250	904 15	93 220	835 M30	525_{-1} 40	180 169	600 /	Ø 550			

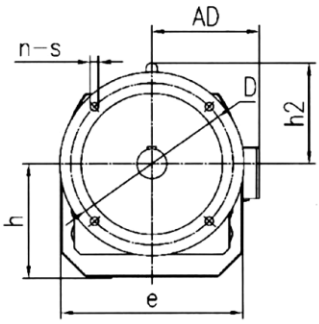
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

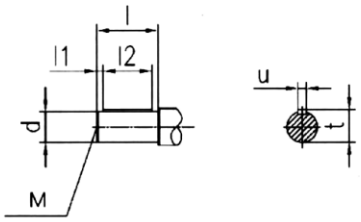
+91-99989 78343 / 74900 03718 ramindustries.ahd@gmail.com www.ramgearbox.com

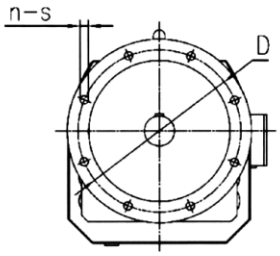
RRF17-177

RRF17-177
Mounting Dimensional Description









Specification	d	D2	o_2	0_1	s	D1	D	n	q_1 l	h_5 l_1	h_1 l_2	h M	e u	h_2 t	G	Motor Size AC	AD	L1
RRF17	Ø 20k6	Ø 120 Ø 140	8 9	3 3	Ø 6.5 Ø 8.5	Ø 80j6 Ø 95j6	Ø 100 Ø 115	4 4	170 40	59 4	/ 32	76 M6	130 6	/ 22.5	Ø 120	Please see appendix A-2		
RRF27	Ø 25k6	Ø 120 Ø 140 Ø 160	8 8 10	3 3 3.5	Ø 6.5 Ø 8.5 Ø 8.5	Ø 80j6 Ø 95j6 Ø 110j6	Ø 100 Ø 115 Ø 130	4 4 4	199 50	57 3.5	3.4 40	92 M10	142 8	/ 28	Ø 120			
RRF37	Ø 25k6	Ø 120 Ø 160 Ø 200	8 10 12	3 3.5 3.5	Ø 6.5 Ø 9 Ø 11	Ø 80j6 Ø 110j6 Ø 130j6	Ø 100 Ø 130 Ø 165	4 4 4	207 50	61 3.5	10.1 40	94 M10	161 8	/ 28	Ø 120			
RRF47	Ø 30k6	Ø 140 Ø 160 Ø 200	10 10 12	3 3.5 3.5	Ø 9 Ø 9 Ø 11	Ø 95j6 Ø 110j6 Ø 130j6	Ø 100 Ø 130 Ø 165	4 4 4	235 60	72 3.5	14 50	118 M10	178 8	/ 33	Ø 160			
RRF57	Ø 35k6	Ø 160 Ø 200 Ø 250	10 12 15	3.5 3.5 4	Ø 9 Ø 11 Ø 13.5	Ø 110j6 Ø 130j6 Ø 180j6	Ø 130 Ø 165 Ø 215	4 4 4	257 70	72 7	11.2 56	121 M12	202 10	/ 38	Ø 160			
RRF67	Ø 35k6	Ø 200 Ø 250	12 15	3.5 4	Ø 11 Ø 13.5	Ø 130j6 Ø 180j6	Ø 165 Ø 215	4 4	280 70	82 7	20.7 56	134 M12	215 10	113 38	Ø 160			
RRF77	Ø 40k6	Ø 250 Ø 300	15 18.5	4 4	Ø 13.5 Ø 13.5	Ø 180j6 Ø 230j6	Ø 215 Ø 265	4 4	300 80	88 5	15.9 70	144 M16	235 12	129 43	Ø 200			
RRF87	Ø 50k6	Ø 300 Ø 350	16 18	4 5	Ø 13.5 Ø 17.5	Ø 230j6 Ø 250h6	Ø 265 Ø 300	4 8	372 100	115 10	12.6 80	184 M16	297 14	165 53.5	Ø 250			
RRF97	Ø 60m6	Ø 350 Ø 450	18 22	5 5	Ø 17.5 Ø 17.5	Ø 250h6 Ø 350h6	Ø 300 Ø 400	4 8	440 120	144 5	10.2 110	230 M20	348 18	193 64	Ø 300			
RRF107	Ø 70m6	Ø 350 Ø 450	20 22	5 5	Ø 17.5 Ø 17.5	Ø 250h6 Ø 350h6	Ø 300 Ø 400	4 8	495 7.5	158 7.5	20.4 125	255 M20	409 20	224 74.5	Ø 350			
RRF137	Ø 90m6	Ø 450 Ø 550	22 25	5 5	Ø 17.5 Ø 17.5	Ø 350h6 Ø 450h6	Ø 400 Ø 500	8 8	589 170	180 5	25.1 160	320 M24	458 25	247 95	Ø 400			
RRF147	Ø 110m6	Ø 450 Ø 550	22 25	5 5	Ø 17.5 Ø 17.5	Ø 350h6 Ø 450h6	Ø 400 Ø 500	8 8	695 210	210 15	33.4 180	361 M24	540 28	285 116	Ø 450			
RRF167	Ø 120m6	Ø 550 Ø 660	25 28	5 6	Ø 17.5 Ø 22	Ø 450h6 Ø 550h6	Ø 500 Ø 600	8 8	790 210	250 5	59.9 200	430 M24	670 32	324 127	Ø 550			
RRF177	Ø 160m6	Ø 660 Ø 880	32 36	6 10	Ø 22 Ø 33	Ø 550h6 Ø 680h6	Ø 600 Ø 800	8 8	980 250	330 15	93 220	525 M30	780 40	/ 169	Ø 550			

Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

+91-99989 78343 / 74900 03718 ramindustries.ahd@gmail.com www.ramgearbox.com