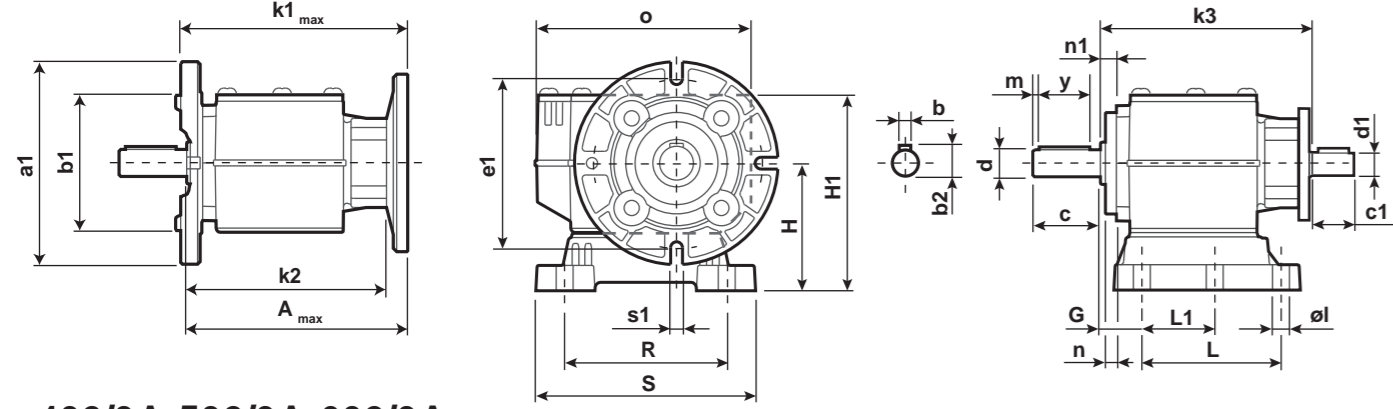
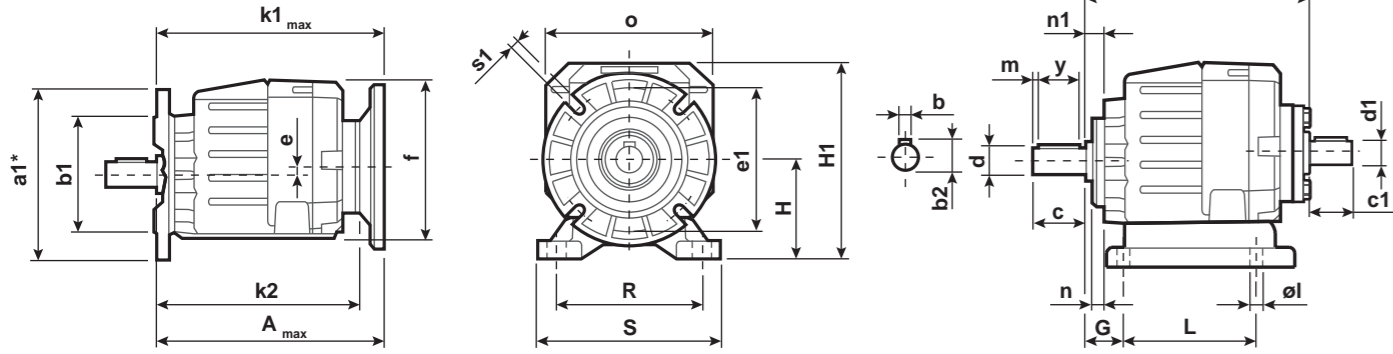


202A-302A-452A



402/3A-502/3A-602/3A



* Other flanges are available on request
* Altre flange sono disponibili su richiesta

Size	A Max	a1*	b	b1	b2	c	c1	d	d1	e	e1	f	k1 Max	k2	k3	y	m	n	n1	o	s1
202A	135.2	160	5	110	18	40	25	ø16	ø14	-	130	81.5	138.7	117.5	130	30	3	6.5	9.5	128	9
302A	152.2	200	6	130	22.5	40	35	ø20	ø19	-	165	81.5	155.7	131.5	143.5	30	3	6.5	9.5	128	11
452A	225.2	250	8	180	33	60	50	ø30	ø24	-	215	121.5	233.7	177.2	189.3	50	5	13.5	15.5	187	14
402A	196.5	200	8	130	28	50	35	ø25	ø19	7	165	127	199.5	160	171.3	40	3	8.2	11.5	139	11
403A	186.5	200	8	130	28	50	25	ø25	ø14	3.2	165	127	189.5	166	175.7	40	3	8.2	11.5	139	11
502A	261.5	250	8	180	33	60	50	ø30	ø24	5.3	215	171	270	207.5	220.3	50	5	12	15.5	178	14
503A	236.5	250	8	180	33	60	35	ø30	ø19	15	215	171	245	216	228.5	50	5	12	15.5	178	14
602A	279.5	250	10	180	38	70	50	ø35	ø24	21.8	215	172.5	288	225.3	237.3	60	5	12	15.5	202	14
603A	255	250	10	180	38	70	35	ø35	ø19	15.5	215	172.5	263.5	234.5	245.8	60	5	12	15.5	202	14

* Other feet are available on request (see our web site)
* Altri piedini sono disponibili su richiesta (controlla sul nostro sito web)

Size	Feet * code	G	H	H1	øL	L	L1	R	S
202A	B1	18	85	125	9	87	50	110	130
	B2	18	100	145	11	107.5	60	130	155
	S1	18	75	115.5	9	110	50	110	130
	L3	12.5	65	149	9	60	-	91	105
302A	L4	13	80	165	9	76	-	105	132
	B1	18	85	125	9	87	50	110	130
	B2	18	100	145	11	107.5	60	130	155
	S1	18	75	115.5	9	110	50	110	130
452A	S2	25	90	135	9	130	-	110	130
	L3	12.5	65	149	9	60	-	91	105
	L4	13	80	165	9	76	-	105	132
	B3	18	110	162	11	130	-	160	190
502A	B4	20	130	182	14	149.5	-	180	216
	S4	30	115	167	13.5	165	-	135	170
	H3	30	130	231.5	14	135	-	135	185
	M2	30	110	162	11	100	-	135+150	190
503A	L6	19	125	177	14	106	-	160	205
	E2	13	100	152	14	192	-	135	164
	P4	35	142	194	14	145	-	130	160
	E3	19.5	125	177	14	106	-	160	205
602A	P6	40	162	265	14	205	-	160	200
	E3	19.5	125	177	14	106	-	160	205
	P6	40	162	265	14	205	-	160	200
	B5	23.5	115	162	14	130	-	170	205

Size	Feet * code	G	H	H1	øL	L	L1	R	S
402A	B1	18	85	167	-	87	50	110	130
	B2	18	100	182	11	107.5	60	130	155
	S1	18	75	155	9	90+110	50	110	145
	S2	25	90	172	9	130	-	110	145
403A	H2	25	100	182	9	115	-	110	145
	M1	25	80	162	9	85	-	110+120	145
	L4	13	80	162	10	76	-	105	132
	L5	16	100	182	12	90	-	125	150
502A	B3	18	110	211.5	11	130	-	160	190
	B4	20	130	231.5	14	149.5	-	180	216
	S4	30	115	216.5	13.5	165	-	135	170
	H3	30	130	231.5	14	135	-	135	185
503A	M2	30	110	226.5	11	100	-	135+150	190
	L6	19	125	201.5	14	106	-	160	205
	E2	13	100	201.5	14	192	-	135	164
	P4	35	142	243.5	14	145	-	130	160
602A	B4	20	130	233	14	149.5	-	180	216
	S4	30	115	218	13.5	165	-	135	170
	M3	35	120	223	14	110	-	170+185	230
	S7	35	140	243	14	205	-	170	204
603A	H4	35	155	258	14	150	-	170	225
	L6	19	125	228	14	106	-	160	205
	E3	19.5	125	228	14	240	-	170	205
	P6	40	162	265	14	205	-	160	200
B5	23.5	115	218	14	130	-	170	205	

Type Tipo	Size Grandezza	Mounting Montaggio	Ratio Rapporto	Output shaft Albero uscita	Output flange Flangia uscita	Motor size Grandezza motore	Terminal box position Posizione morsettiere	Mounting position Posizione montaggio
P	402A	-F	7.33	V	2	-C	B	B3
M	2 Stages Riduzioni	With IEC motor Without flange/feet	See technical data table Vedi tabella dati tecnici	STANDARD	STANDARD	Standard Flange Flangia Standard B5	A	B3 STANDARD
P	202A 302A 402A 502A 602A	With motor flange		202A S B D V 302A S B C D E V G 402A 403A S B C D E V 452A 502A 503A E V G H I 602A 603A G H I L M	N Senza flangia Without flange 1 2 3 4 5 1 2 3 4 5 3 4 5 3 4 5 -1 -2 -3 -4 -1 -2 -3 Type R / Tipo R 202A 403A 452A 502A 602A 302A 402A 503A 603A -1 -2 -3 -1 -2	IEC ø -A=56 (ø120) -B=63 (ø140) -C=71 (ø160) -D=80 (ø200) -E=90 (ø200) -F=100-112 (ø250) -G=132 (ø300) B14 -O=56 (ø80) -P=63 (ø90) -Q=71 (ø105) -R=80 (ø120) -T=90 (ø140) -U=100-112 (ø160) -V=132 (ø200) Without flange Senza flangia 202A 403A 452A 502A 602A 302A 402A 503A 603A -1 -2 -3 -1 -2 -3 -1 -2	A B C D	B3 B6 B7 B8 V5 V6 V8
R	3 Stages Riduzioni	With male input shaft						B..
B	403A 503A 603A	Mounted feet						
B	Modular base							

Coaxial Gears

0.12 ÷ 7.5 kW

Aluminum coaxial gearboxes Made in Italy

HYDRO-ME

Also available with special options

202A-302A-452A

B) Supplied with Reduction Bushing B1) Available on Request without reduction bushing C) Motor flange holes position
 Fornto con Bussola di Riduzione Disponibile a Richiesta senza Bussola di Riduzione Posizione fori flangia motore

The dynamic efficiency is 0.96 for all ratios
 The dynamic efficiency is 0.94 for all ratios
 Available motor flanges
 Flange motore disponibili

n ₂ [min ⁻¹]	i	P _{1M} [kW]	M _{2M} [Nm]	f.s	P _{1R} [kW]	M _{2R} [Nm]	Input speed (n ₁)=1400 min ⁻¹					Output Shaft	Standard	
							63 B5	71 B5*	56 B14	63 B14	71 B14			
70 Nm	407	3.44	0.55**	12	2.0	1.1	25						2821	01
	327	4.28	0.55**	15	1.9	1.1	30						2818	02
	257	5.45	0.55**	20	2.0	1.1	40						2815	03
	225	6.23	0.55**	22	2.0	1.1	45						1921	04
	194	7.20	0.55**	26	1.9	1.1	50						2812	05
	181	7.74	0.55**	28	1.8	0.99	50						1918	06
	142	9.85	0.55**	35	1.7	0.93	60						1915	07
	123	11.42	0.55**	41	1.5	0.80	60						1715	08
	107	13.03	0.55**	47	1.3	0.70	60						1912	09
	93	15.10	0.37	37	1.6	0.61	60						1712	10
	86	16.20	0.37	39	1.5	0.57	60						1910	11
	75	18.78	0.37	46	1.3	0.49	60						1710	12
	66	21.15	0.37	51	1.2	0.43	60						1312	13
	64	21.84	0.37	53	1.1	0.42	60						1015	14
	53	26.31	0.37	64	0.9	0.35	60						1310	15
	48.5	28.88	0.37	70	1.0	0.37	70						1012	16
	39	35.91	0.37	87	0.8	0.30	70						1010	17
	37.1	37.69	0.25	62	1.1	0.28	70						912	18
	29.9	46.87	0.25	77	0.9	0.23	70						910	19
	28.1	49.76	0.25	81	0.9	0.21	70						710	20
	22.6	61.89	0.18	73	1.0	0.17	70						712	21

402A-502A-602A

B) Supplied with Reduction Bushing B1) Available on Request without reduction bushing C) Motor flange holes position
 Fornto con Bussola di Riduzione Disponibile a Richiesta senza Bussola di Riduzione Posizione fori flangia motore

The dynamic efficiency is 0.96 for all ratios
 The dynamic efficiency is 0.94 for all ratios
 Available motor flanges
 Flange motore disponibili

n ₂ [min ⁻¹]	i	P _{1M} [kW]	M _{2M} [Nm]	f.s	P _{1R} [kW]	M _{2R} [Nm]	Input speed (n ₁)=1400 min ⁻¹										Output Shaft	Standard	
							63 B5	71 B5	80 B5*	90 B5*	100/112 B5*	132 B5*	71 B14	80 B14	90 B14	100/112 B14			132 B14
160 Nm	398	3.52	3	69	1.2	3.5	80											2821	01
	320	4.37	3	86	1.0	3.1	90											2818	02
	252	5.55	3	109	0.9	2.8	100											2813	03
	220	6.36	2.2	92	1.0	2.3	95											1921	04
	191	7.33	2.2	106	1.1	2.5	120											2812	05
	177	7.89	2.2	114	1.1	2.3	120											1918	06
	139	10.06	2.2	145	1.0	2.3	150											1913	08
	120	11.66	1.5	114	1.5	2.3	174											1713	09
	106	13.26	1.5	130	1.2	1.8	160											1912	10
	102	13.68	1.5	134	1.1	1.6	144											1513	25
	91	15.37	1.5	151	1.1	1.6	160											1712	11
	86	16.20	1.5	159	0.9	1.3	138											1910	12
	78	18.04	1.5	177	0.9	1.4	160											1512	23
	74	18.80	1.1	135	1.0	1.1	138											1710	24
	65	21.54	1.1	155	1.0	1.1	160											1312	14
	63	22.29	1.1	161	1.0	1.1	167											1013	15
	53	26.30	0.75	129	1.1	0.80	138											1310	16
	47.6	29.40	0.75	144	1.1	0.83	160											1012	17
	39	35.91	0.55	129	1.1	0.59	138											1010	18
	36.5	38.37	0.55	138	1.2	0.64	160											912	19
	29.9	46.86	0.55	169	0.8	0.45	138											910	20
	27.6	50.67	0.37	123	1.1	0.40	132											712	21
	22.6	61.88	0.37	150	0.9	0.34	138											710	22

403A-503A-603A

B) Supplied with Reduction Bushing B1) Available on Request without reduction bushing C) Motor flange holes position
 Fornto con Bussola di Riduzione Disponibile a Richiesta senza Bussola di Riduzione Posizione fori flangia motore

The dynamic efficiency is 0.94 for all ratios
 The dynamic efficiency is 0.94 for all ratios
 Available motor flanges
 Flange motore disponibili

n ₂ [min ⁻¹]	i	P _{1M} [kW]	M _{2M} [Nm]	f.s	P _{1R} [kW]	M _{2R} [Nm]	Input speed (n ₁)=1400 min ⁻¹						Output Shaft	Standard					
							63 B5	71 B5	80 B5	90 B5	56 B14	63 B14			71 B14				
160 Nm	36.5	38.40	0.37	90	1.9	0.72	175											171713	02
	32.0	43.69	0.37	103	1.5	0.54	149											191712	03
	27.6	50.64	0.37	119	1.3	0.50	160											171712	04
	26.2	53.36	0.37	125	1.1	0.41	138											191710	05
	22.9	61.22	0.37	144	1.1	0.41	160											191312	06
	22.6	61.90	0.37	146	0.9	0.35	138											171710	07
	19.7	70.95	0.37	167	1.0	0.36	160											131712	08
	19.1	73.43	0.37	172	1.0	0.38	175											101713	09
	18.8	74.77	0.25	118	1.2	0.29	138											191310	10
	16.1	86.66	0.25	138	1.0	0.25	138											131710	11
	14.5	96.85	0.25	154	1.0	0.26	160											101712	12
	13.6	102.89	0.25	163	1.1	0.28	180											101313	13
	11.1	126.40	0.25	200	0.8	0.20	160											91712	17
	10.3	135.69	0.25	215	0.7	0.19	160											101312	15
	8.5	165.70	0.12	126	1.1	0.13	138											101310	16
	7.9	177.09	0.12	135	1.2	0.14	160											91312	18
	6.5	216.30	0.12	164	0.8	0.10	138											91310	19

* In the P mounting the B5 motor flange can exceed the foot maximum dimensions. Possibly use the flange B14
 * Nel montaggio P la flangia può superare l'ingombro massimo dei piedi. Eventualmente utilizzare la flangia B14
 ** Concerning a reduced dimensions electric motor ** Riferito a motore con grandezza ridotta