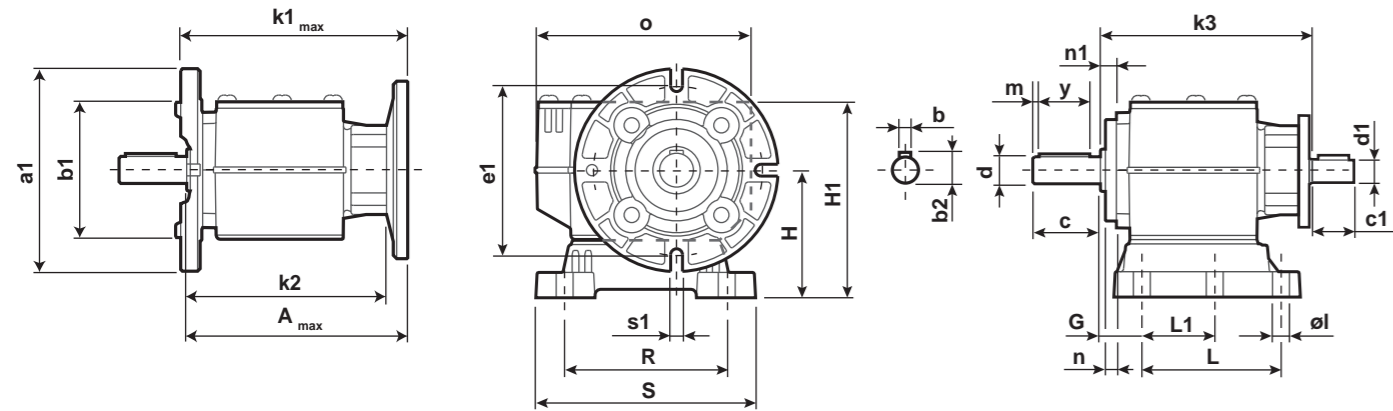
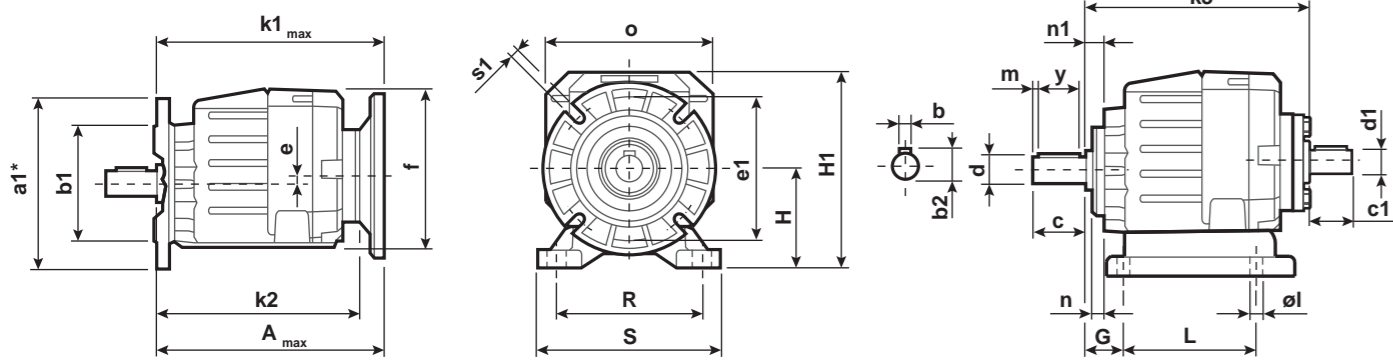


202A-302A-452A



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
	L4	13	80	165	9	76	-	105	132
302A	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
	S2	25	90	135	9	130	-	110	130
	L3	12.5	65	149	9	60	-	91	105
452A	B3	18	110	162	11	130	-	160	190
	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
602A 603A	L6	19	125	177	14	106	-	160	205
	E2	13	100	152	14	192	-	135	164
	P4	35	142	194	14	145	-	130	160
	B4	20	130	233	14	149.5	-	180	216
	S4	30	115	218	13.5	165	-	135	170

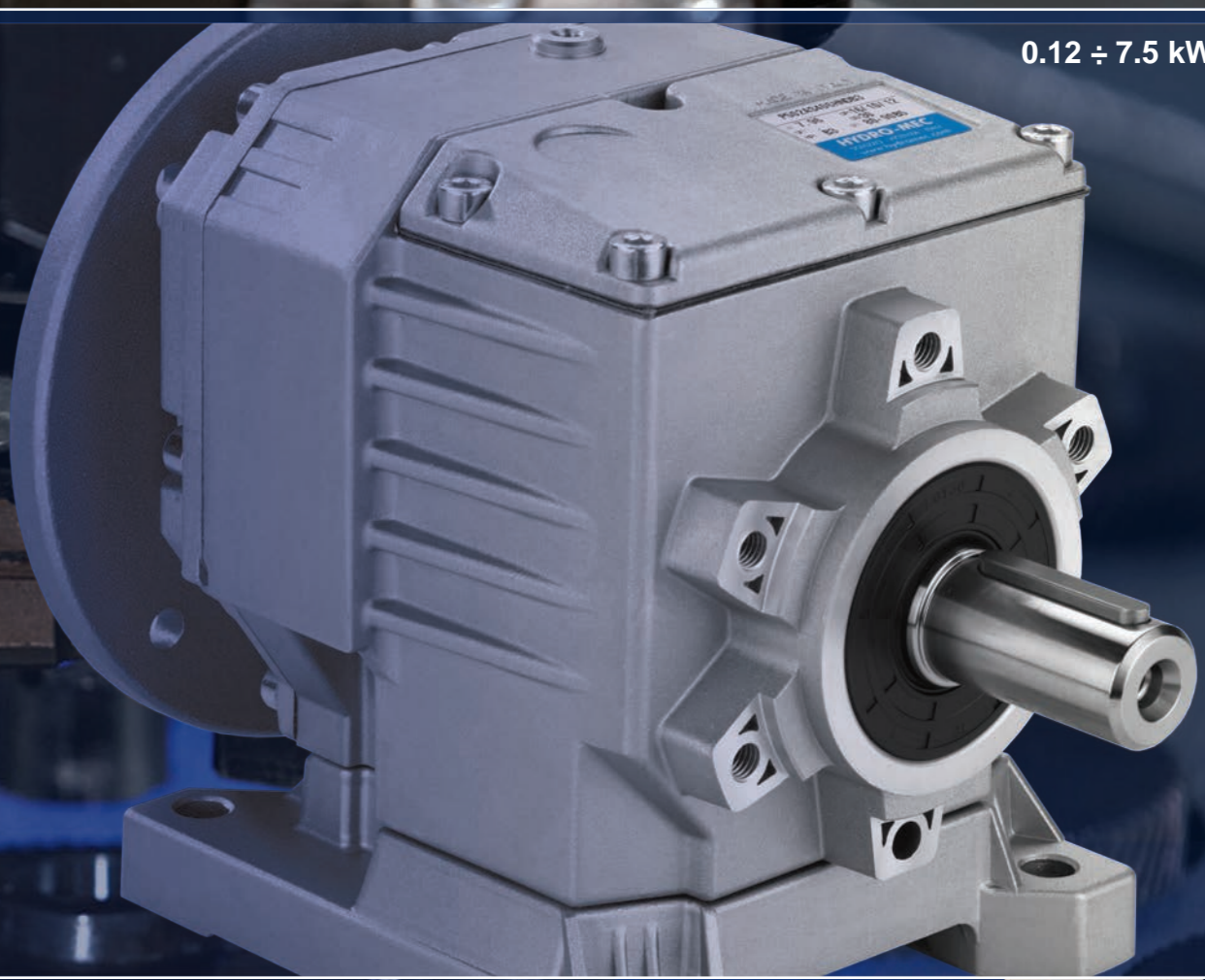
Size	Feet code	G	H	H1	øL	L	L1	R	S
402A	B1	18	85	167	-	87	50	110	130
	B2	18	100	182	11	107.5	60	130	155
	S1	18	75	155	9	90+110	50	110	145
	S2	25	90	172	9	130	-	110	145
	H2	25	100	182	9	115	-	110	145
403A	M1	25	80	162	9	85	-	110+120	145
	L4	13	80	162	10	76	-	105	132
	L5	16	100	182	12	90	-	125	150
	B3	18	110	211.5	11	130	-	160	190
	B4	20	130	231.5	14	149.5	-	180	216
502A	S4	30	115	216.5	13.5	165	-	135	170
	H3	30	130	231.5	14	135	-	135	185
	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
503A	P4	35	142	243.5	14	145	-	130	160
	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
602A 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				
 With IEC motor M	2 Stages Riduzioni 202A 302A 402A 502A 602A	 Without flange/feet -N	 See technical data table Vedi tabella dati tecnici	 STANDARD	 Standard Flange Flangia Standard B5	 A=56 (ø120) B=63 (ø140) C=71 (ø160) D=80 (ø200) E=90 (ø200) F=100-112 (ø250) G=132 (ø300)	 A	 B3 STANDARD				
 With motor flange P	3 Stages Riduzioni 403A 503A 603A	 Output flange mounted -F	 Mounted feet B..	 202A S → ø14 B → ø16 D → ø20 V → ø25	 202A 302A 1 → ø120 2 → ø140 3 → ø160 4 → ø200	 402A 403A 1 → ø120 2 → ø140 3 → ø160 4 → ø200 5 → ø250	 402A 403A 1 → ø120 2 → ø140 3 → ø160 4 → ø200 5 → ø250	 452A 502A 503A 3 → ø160 4 → ø200 5 → ø250	 602A 603A 3 → ø160 4 → ø200 5 → ø250	 Without flange Senza flangia	 B	 B6 STANDARD
 With male input shaft R	 Modular base B			 402A 403A S → ø14 B → ø16 C → ø19 D → ø20 E → ø24 V → ø25	 452A 502A 503A 3 → ø160 4 → ø200 5 → ø250	 602A 603A 3 → ø160 4 → ø200 5 → ø250	 B14 -O=56 (ø80) -P=63 (ø90) -Q=71 (ø105) -R=80 (ø120) -T=90 (ø140) -U=100-112 (ø160) -V=132 (ø200)	 C	 B7			
				 602A 603A G → ø28 H → ø30 I → ø35	 602A 603A G → ø28 H → ø30 I → ø35 L → ø38 M → ø40	 -Z → ø9 (56B5) -0 → ø11 (63B5) -1 → ø14 (71B5) -2 → ø19 (80B5) -3 → ø24 (90B5) -4 → ø28 (100B5)	 D	 B8				
						 202A 403A -1 → ø14 (71B5) -2 → ø19 (80B5) -3 → ø24 (90B5)	 V5	 V6				
						 452A 502A 602A -1 → ø14 (71B5) -2 → ø19 (80B5) -3 → ø24 (90B5)	 V8	 V8 Specify only for vertical positions Specificare solo per posizione verticale				
						 302A 402A 503A 603A -1 → ø14 (71B5) -2 → ø19 (80B5)						

Select type and specific size on the our web site to get complete data.
Selezionare tipo e grandezza specifica nel nostro sito web per la documentazione completa.

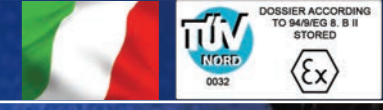


Coaxial - *Gears*



0.12 ÷ 7.5 kW

Aluminum coaxial gearboxes Made in Italy



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Also available with special options

HYDROMEC

202A-302A-452A

B) Supplied with Reduction Bushing
 C) Motor flange holes position

The dynamic efficiency is 0.96 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]	63 B5		71 B5*		56 B14		63 B14		71 B14		Output Shaft	Output Shaft
							Standard	On request	Standard	On request	Standard	On request	Standard	On request				
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											712	20
22.6	61.89	0.18	73	1.0	0.17	70											710	21

n ₂ [min ⁻¹]	i	P _{1M} [kW]	M _{2M} [Nm]	f.s	P _{1R} [kW]	M _{2R} [Nm]	63 B5		71 B5*		80 B5*		90 B5*		71 B14		80 B14		90 B14		Output Shaft	Output Shaft
							Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request				
407	3.44	1.5	34	1.0	1.5	35	B								C	C					2821	01
327	4.28	1.5	42	1.0	1.4	40	B								C	C					2818	02
257	5.45	1.5	54	1.0	1.4	52	B								C	C					2815	03
225	6.23	1.5	61	1.1	1.7	70	B								C	C					1921	04
194	7.20	1.5	71	1.0	1.5	70	B								C	C					2812	05
181	7.74	1.5	76	1.1	1.6	80	B								C	C					1918	06
142	9.85	1.5	97	1.0	1.5	95	B								C	C					1915	07
123	11.42	1.5	112	1.0	1.5	115	B								C	C					1715	08
107	13.03	1.1	94	1.2	1.3	114	B								C	C					1912	09
93	15.10	1.1	109	1.0	1.2	114	B								C	C					1712	10
86	16.20	0.75	80	1.3	1.0	107	B								C	C					1910	11
75	18.78	0.75	92	1.2	0.87	107	B								C	C					1710	12
66	21.15	0.75	104	1.1	0.82	114	B								C	C					1312	13
64	21.84	0.75	107	1.1	0.83	119	B								C	C					1015	14
53	26.31	0.55	95	1.1	0.62	107	B								C	C					1310	15
48.5	28.88	0.55	104	1.1	0.60	114	B								C	C					1012	16
39	35.91	0.37	87	1.2	0.46	107	B								C	C					1010	17
37.1	37.69	0.37	91	1.1	0.41	102	B								C	C					912	18
29.9	46.87	0.37	114	0.9	0.35	107	B								C	C					910	19
28.1	49.76	0.25	81	1.2	0.31	101	B								C	C					712	20
22.6	61.89	0.25	101	1.1	0.26	107	B								C	C					710	21

n ₂ [min ⁻¹]	i	P _{1M} [kW]	M _{2M} [Nm]	f.s	P _{1R} [kW]	M _{2R} [Nm]	71 B5		80 B5		90 B5		100/112 B5*		132 B5*		80 B14		90 B14		100/112 B14		132 B14		Output Shaft	Output Shaft	
							Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request							
388	3.61	4	95	1.6	6.3	150	B																		3018	01	
331	4.23	4	111	1.5	6.1	170	B																			3016	02
279	5.01	4	131	1.5	6.1	200	B																			3014	03
231	6.07	4	159	1.6	6.3	250	B																			3012	04
206	6.81	4	178	1.6	6.2	277	B																			2018	05
176	7.96	4	209	1.4	5.8	300	B																			2016	06
148	9.45	4	248	1.2	4.9	304	B																			2014	07
122	11.43	4	299	1.0	4.0	300	B																			2012	08
99	14.21	3	279	0.9	2.8	265	B																			2010	09
84	16.62	3	327	0.9	2.8	304	B																			1314	10
70	20.10	2.2	290	1.0	2.3	300	B																			1312	11
56	24.98	1.85	303	0.9	1.6	265	B																			1310	12
47.6	29.41	1.5	289	1.1	1.6	304	B																			814	13
39.3	35.58	1.5	349	0.9	1.3	300	B																			812	14
34.6	40.50	1.1	292	1.0	1.1	290	B																			614	15
31.7	44.22	1.1	319	0.8	0.92	265	B																			810	16
28.6	49.00	0.75	241	1.2	0.93	300	B																			612	17
23.0	60.90	0.75	299	0.9	0.66	265	B																			610	18

402A-502A-602A

B) Supplied with Reduction Bushing
 C) Motor flange holes position

The dynamic efficiency is 0.96 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]	63 B5		71 B5		80 B5*		90 B5*		100/112 B5*		71 B14		80 B14		90 B14		Output Shaft	Output Shaft			
							Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request	Standard	On request									
398	3.52	3	69	1.2	3.5	80	B																		2821	01	
320	4.37	3	86	1.0	3.1	90	B																			2818	02
252	5.55	3	109	0.9	2.8	100	B																			2813	03
220	6.36	2.2	92	1.0	2.3	95	B																			1921	04
191	7.33	2.2	106	1.1	2.5	120	B																			2812	05
177	7.89	2.2	114	1.1	2.3	120	B																			1918	06
139	10.06	2.2	145	1.0	2.3	150	B																			1913	08
120	11.66	1.5	114	1.5	2.3	174	B																			1713	09
106	13.26	1.5	130	1.2	1.8	160	B																			1912	10
102	13.68	1.5	134	1.1	1.6	144	B																			1513	25
91	15.37	1.5	151	1.1	1.6	160	B																			1712	11
86	16.20	1.5	159	0.9	1.3	138	B																			1910	12
78	18.04	1.5	177	0.9	1.4	160	B																			1512	23
74	18.80	1.1	135	1.0	1.1	138	B																			1710	24
65	21.54	1.1	155	1.0	1.1	160																					