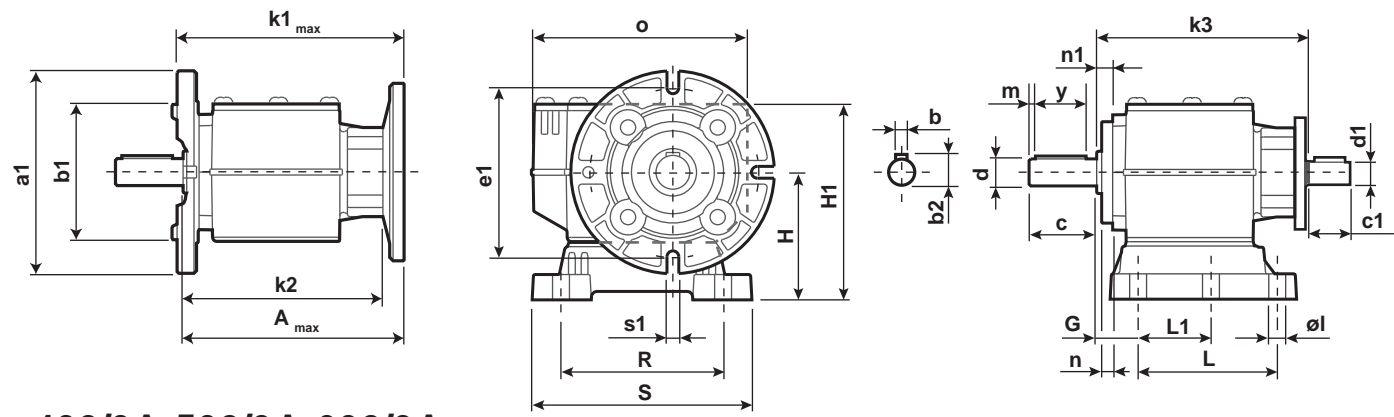
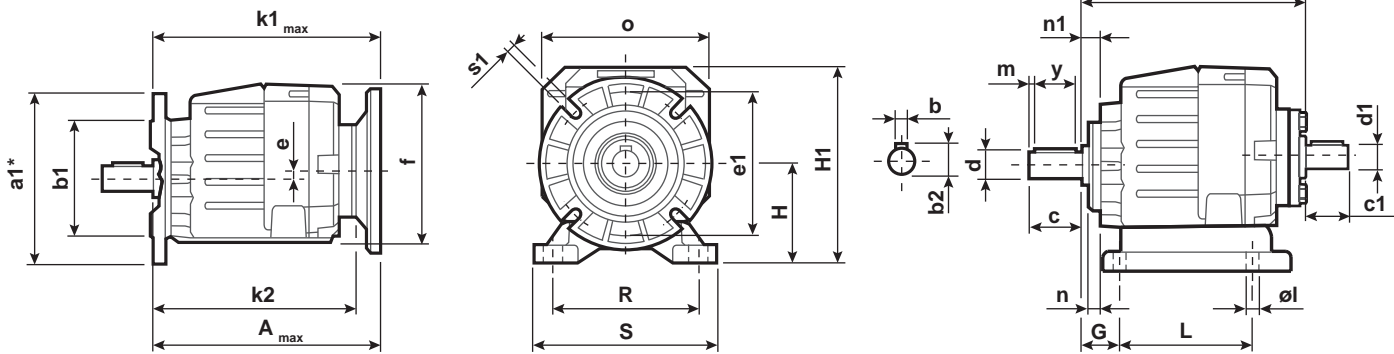


202A-302A-452A



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	ø1	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
	-	-	-	-	-	-	-	-	-
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
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
	L6	19	125	177	14	106	-	160	205
E2	13	100	152	14	192	-	135	164	

Size	Feet code	G	H	H1	ø1	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
	H1	18	80	162	9	90	-	110	135
	-	-	-	-	-	-	-	-	-
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
	M2	30	110	226.5	11	100	-	135+150	190
	L6	19	125	201.5	14	106	-	160	205
503A	E2	13	100	201.5	14	192	-	135	164
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-
	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
602A	S7	35	140	243	14	205	-	170	204
	H4	35	155	258	14	150	-	170	225
	B5	23.5	115	218	14	130	-	170	205
	L6	19	125	228	14	106	-	160	205
	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-

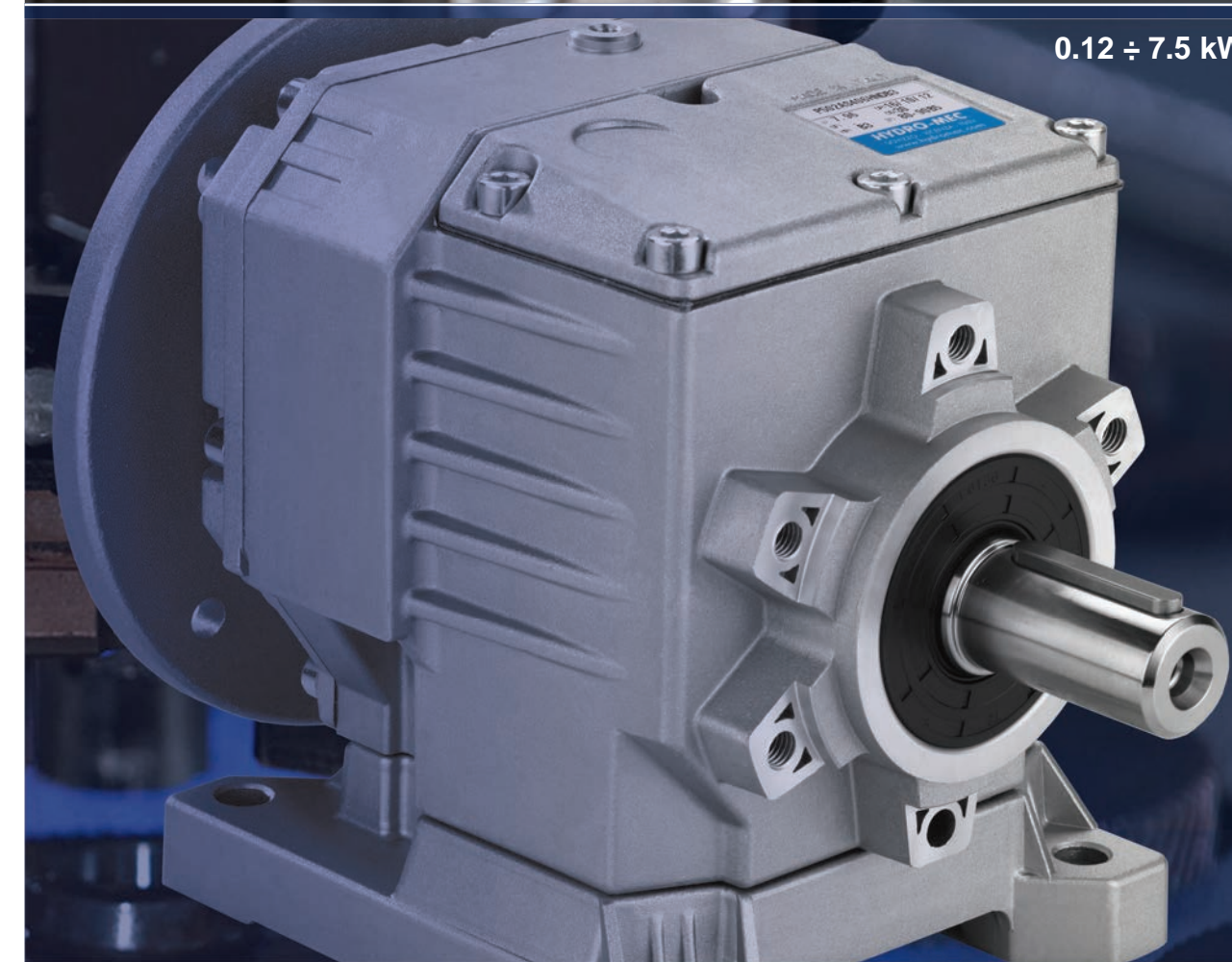
Type Tipo	Size Grandezza	Mounting Montaggio	Ratio Rapporto	Output shaft Albero uscita	Output flange Flangia uscita	Motor size Grandezza motore	Terminal box position Posizione morsetteria	Mounting position Posizione montaggio
P	402A	-F	7.33	V	2	-C	B	B3
With IEC motor M	2 Stages Riduzioni 202A 302A 402A 502A 602A	Without flange/feet -N	See technical data table Vedi tabella dati tecnici	STANDARD	Standard Flange Flangia Standard B5	Standard Flange Flangia Standard B5	A	B3 STANDARD
With motor flange P		Output flange mounted -F		202A S ⇔ ø14 B ⇔ ø16 D ⇔ ø20 V ⇔ ø25	N Senza flangia Without flange	-A=56 (ø120) -B=63 (ø140) -C=71 (ø160) -D=80 (ø200) -E=90 (ø200) -F=100÷112 (ø250) -G=132 (ø300)	B	B6
With male input shaft R	3 Stages Riduzioni 403A 503A 603A	Mounted feet B..		302A S ⇔ ø14 B ⇔ ø16 C ⇔ ø19 D ⇔ ø20 E ⇔ ø24 V ⇔ ø25 G ⇔ ø28	402A 403A 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
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	Without flange Senza flangia	D	B8
				602A 603A G ⇔ ø28 H ⇔ ø30 I ⇔ ø35 L ⇔ ø38 M ⇔ ø40	602A 603A 3 ⇔ ø160 4 ⇔ ø200 5 ⇔ ø250	202A 403A -Z ⇔ ø9 (56B5) -0 ⇔ ø11 (63B5) -1 ⇔ ø14 (71B5)		V5
					452A 502A 602A -2 ⇔ ø19 (80B5) -3 ⇔ ø24 (90B5) -4 ⇔ ø28 (100B5)	452A 502A 602A -1 ⇔ ø14 (71B5) -2 ⇔ ø19 (80B5) -3 ⇔ ø24 (90B5)		V6
					302A 402A 503A 603A -1 ⇔ ø14 (71B5) -2 ⇔ ø19 (80B5) -3 ⇔ ø24 (90B5)	Type R / Tipo R		V8
					202A 403A -1 ⇔ ø14 452A 502A 602A -3 ⇔ ø24 302A 402A 503A 603A -2 ⇔ ø19			Specify only for vertical positions Specificare solo per posizione verticale

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.



DP - RCM- WO- HM0 16

Coaxial - Gears



0.12 ÷ 7.5 kW

Aluminum coaxial gearboxes Made in Italy



Depilant code: DP-RCM-WO-HM016

Via della tecnica, 19 - 36050 Sovizzo (VI) Tel.: +39 0444 551911 - Fax: +39 0444 536139
e-mail: hydromec@hydromec.com - PEC: posta@pec.hydromec.com

Also available with special options

HYDROMEC

202A-302A-452A

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

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

Output Shift	input speed (n ₁)=1400 min ⁻¹														
	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 Shift		
Standard	70 Nm	407	3.44	0.55**	12	2.0	1.1	25			C	C	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	
Standard	120 Nm	407	3.44	1.5	34	1.0	1.5	35	B					2821	01
		327	4.28	1.5	42	1.0	1.4	40	B					2818	02
		257	5.45	1.5	54	1.0	1.4	52	B					2815	03
		225	6.23	1.5	61	1.1	1.7	70	B					1921	04
		194	7.20	1.5	71	1.0	1.5	70	B					2812	05
		181	7.74	1.5	76	1.1	1.6	80	B					1918	06
		142	9.85	1.5	97	1.0	1.5	95	B					1915	07
		123	11.42	1.5	112	1.0	1.5	115	B					1715	08
		107	13.03	1.1	94	1.2	1.3	114	B					1912	09
		93	15.10	1.1	109	1.0	1.2	114	B					1712	10
		86	16.20	0.75	80	1.3	1.0	107	B					1910	11
		75	18.78	0.75	92	1.2	0.87	107	B					1710	12
		66	21.15	0.75	104	1.1	0.82	114	B					1312	13
		64	21.84	0.75	107	1.1	0.83	119	B					1015	14
		53	26.31	0.55	95	1.1	0.62	107	B					1310	15
		48.5	28.88	0.55	104	1.1	0.60	114	B					1012	16
		39	35.91	0.37	87	1.2	0.46	107	B					1010	17
		37.1	37.69	0.37	91	1.1	0.41	102	B					912	18
		29.9	46.87	0.37	114	0.9	0.35	107	B					910	19
		28.1	49.76	0.25	81	1.2	0.31	101	B					712	20
		22.6	61.89	0.25	101	1.1	0.26	107	B					710	21
Standard	300 Nm	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

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

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

Output Shift	input speed (n ₁)=1400 min ⁻¹																			
	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	100/112 B14	Output Shift			
Standard	160 Nm	398	3.52	3	69	1.2	3.5	80	B					C	C		2821	01		
		320	4.37	3	86	1.0	3.1	90	B					C	C		2818	02		
		252	5.55	3	109	0.9	2.8	100	B					C	C		2813	03		
		220	6.36	2.2	92	1.0	2.3	95	B					C	C		1921	04		
		191	7.33	2.2	106	1.1	2.5	120	B					C	C		2812	05		
		177	7.89	2.2	114	1.1	2.3	120	B					C	C		1918	06		
		139	10.06	2.2	145	1.0	2.3	150	B					C	C		1913	08		
		120	11.66	1.5	114	1.5	2.3	174	B					C	C		1713	09		
		106	13.26	1.5	130	1.2	1.8	160	B					C	C		1912	10		
		102	13.68	1.5	134	1.1	1.6	144	B					C	C		1513	25		
		91	15.37	1.5	151	1.1	1.6	160	B					C	C		1712	11		
		86	16.20	1.5	159	0.9	1.3	138	B					C	C		1910	12		
		78	18.04	1.5	177	0.9	1.4	160	B					C	C		1512	23		
		74	18.80	1.1	135	1.0	1.1	138	B					C	C		1710	24		
		65	21.54	1.1	155	1.0	1.1	160	B					C	C		1312	14		
		63	22.29	1.1	161	1.0	1.1	167	B					C	C		1013	15		
		53	26.30	0.75	129	1.1	0.80	138	B					C	C		1310	16		
		47.6	29.40	0.75	144	1.1	0.83	160	B					C	C		1012	17		
		39	35.91	0.55	129	1.1	0.59	138	B					C	C		1010	18		
		36.5	38.37	0.55	138	1.2	0.64	160	B					C	C		912	19		
		29.9	46.86	0.55	169	0.8	0.45	138	B					C	C		910	20		
27.6	50.67	0.37	123	1.1	0.40	132	B					C	C		712	21				
22.6	61.88	0.37	150	0.9	0.34	138	B					C	C		710	22				
Standard	350 Nm	388	3.61	5.5	130	1.2	6.3	150	B								3018	01		
		331	4.23	5.5	152	1.1	6.1	170	B								3016	02		
		279	5.01	5.5	180	1.1	6.1	200	B								3014	03		
		231	6.07	5.5	219	1.1	6.3	250	B								3012	04		
		206	6.81	5.5	245	1.2	6.7	300	B								2018	05		
		176	7.96	5.5	287	1.2	6.3	330	B								2016	07		
		148	9.45	5.5	340	1.0	5.7	354	B								2014	08		
		122	11.43	4	299	1.1	4.4	326	B								2012	09		
		99	14.21	3	279	0.9	2.7	250	B								2010	10		
		84	16.62	3	327	1.1	3.3	354	B								1314	11		
		70	20.10	2.2	290	1.1	2.5	326	B								1312	12		
		57	24.61	2.2	354	0.9	2.0	326	B								1112	20		
		56	24.98	1.5	245	1.0	1.5	250	B								1310	13		
		47.6	29.41	1.5	289	1.2	1.8	354	B								814	14		
		39.3	35.58	1.5	349	0.9	1.4	326	B								812	15		
		34.6	40.50	1.1	292	1.0	1.1	295	B								614	16		
		31.7	44.23	1.1	319	0.8	0.86	250	B								810	17		
		28.6	49.00	1.1	353	0.9	1.0	326	B								612	18		
		23.0	60.90	0.75	299	0.8	0.63	250	B								610	19		
		Standard	520 Nm	388	3.61	7.5	171	1.1	7.6	180	B								3018	01
				331	4.23	7.5	200	1.1	8.0	220	B								3016	02
279	5.01			7.5	238	1.1	7.9	260	B								3014	03		
231	6.07			7.5	288	1.0	7.6	300	B</											