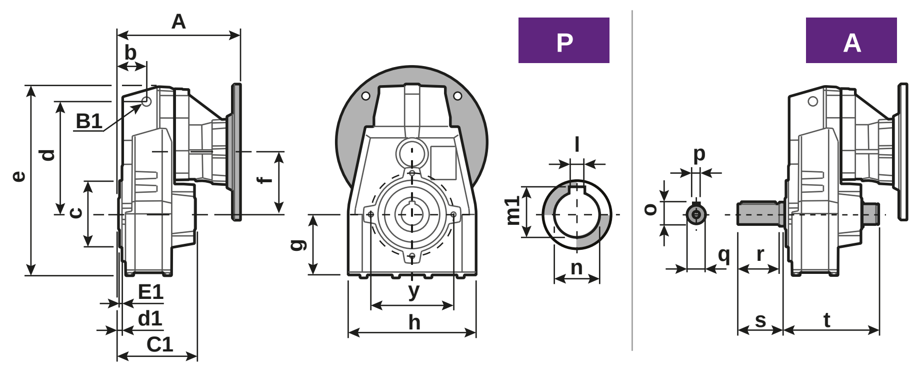
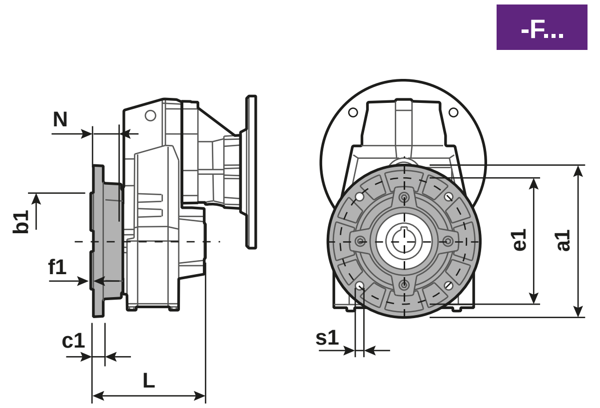


	A				
FA41	80/90B5	100/112B5	80B14	90B14	100/112B14
	179.5	185.5	177.5	177.5	188.5
FC61	132B5				
	249.5				
FC71	132B5				
	261				
FC81	160/180B5				
	336				

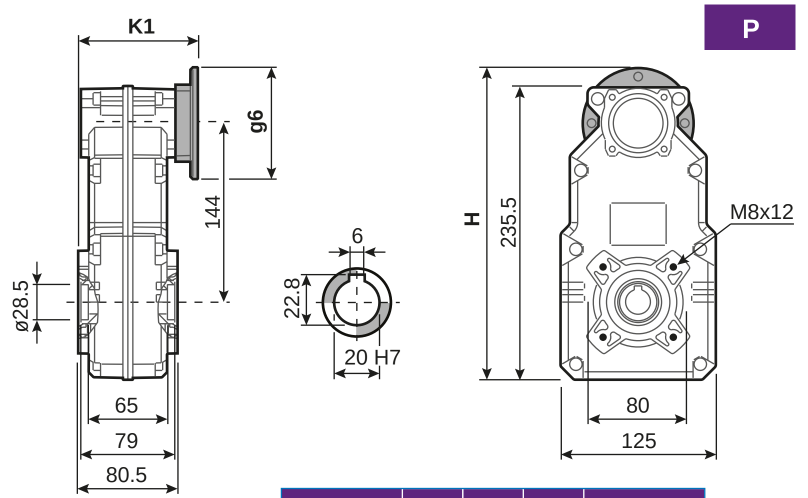
	b	B1	c (ø)	C1	d	d1	e	E1	f	g	h	y	l	m1	n (H7)	o	p	q	r	s	t
FA41	40	11	95 f7	110	160	5	269	3.5	85	88	178	115	8	33.3	ø30	33	8	ø30 $^{-0.005}_{-0.020}$	60	68	134
FC61	54	13	110 f7	125	170	6.5	316.5	3.5	100	100.5	200	130	10	38.3	ø35	38	10	ø35 $^{-0.005}_{-0.020}$	60	73.5	141
FC71	56.5	14	130 f7	144	218	7.5	356	3.5	118.5	118.5	242	165	12	43.3	ø40	43	12	ø40 $^{-0.009}_{-0.025}$	80	93.5	-
FC81	65	22	180 f7	163	278	8.5	457.5	4.5	140.5	142.5	278	215	14	53.8	ø50	53.5	14	ø50 $^{-0.009}_{-0.025}$	100	146.5	-

-F...

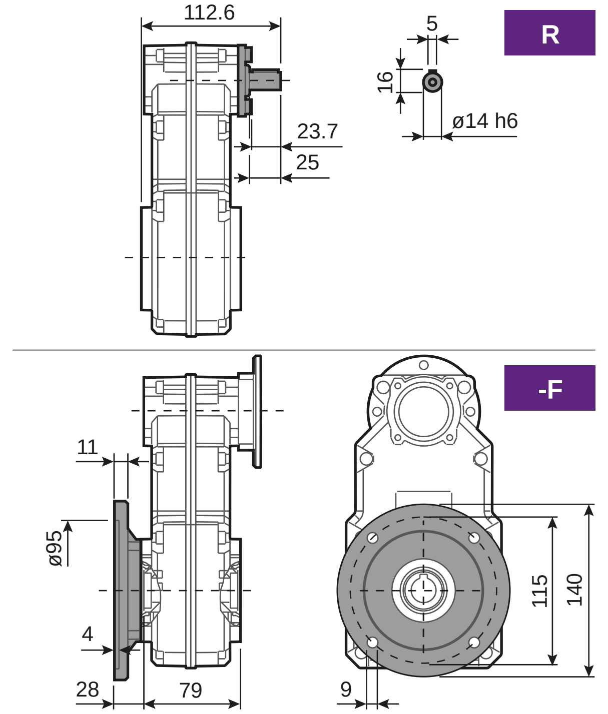


	Type	a1	b1	c1	e1	f1	L	N	s1	Kit code
FA41	2	ø160	ø110 f7	10	130	3	146	36	9	KX5A.9.010
	3	ø200	ø130 f7	13	165	3.5	146	36	11	KX5A.9.011
	4	ø250	ø180 f7	14	215	4	146	36	14	KX5A.9.012
FC61	4	ø250	ø180 f7	13	215	4	158	33	14	KF60.9.011
	5	ø300	ø230 f7	16	265	4	158	33	14	KF60.9.012
FC71	4	ø250	ø180 f7	13	215	3	176.5	32.5	14	KF70.9.011
	5	ø300	ø230 f7	16	265	4	176.5	32.5	14	KF70.9.012
	6	ø350	ø250 f7	18	300	4	176.5	32.5	18	KF70.9.013
FC81	5	ø300	ø230 f7	14	265	5	209.5	46.5	14	KF80.9.011
	6	ø350	ø250 f7	18	300	5	209.5	46.5	18	KF80.9.012
	7	ø400	ø300 f7	18	350	5	209.5	46.5	18	KF80.9.013

P



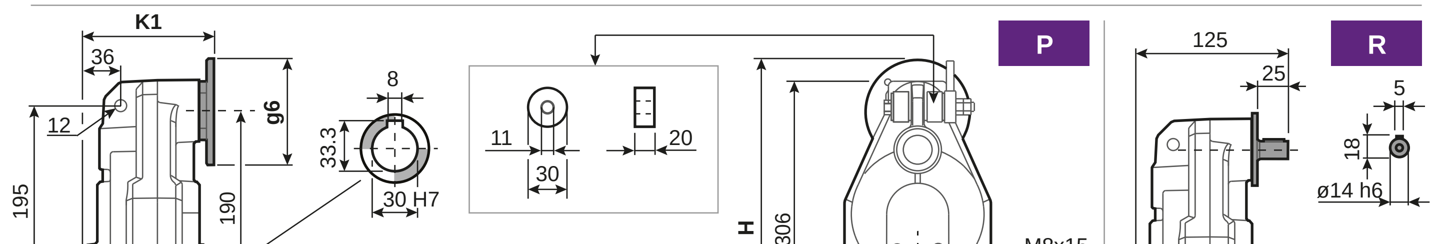
R



-F

Motor flanges	g6	H	K1	Kit code
63 B5	138	276.5	94.7	K050.4.041
71 B5	160	286.5	92.7	K050.4.042
56 B14	80	245.5	94.2	KC40.4.049
63 B14	90	251.5	96.7	K050.4.047
71 B14	105	259	94.2	K050.4.045

P



R

Motor flanges	g6	H	K1	Kit code
63 B5	140	345	131	K050.4.041
71 B5	160	355	129	K050.4.042
56 B14	80	314	130.5	KC40.4.049
63 B14	90	320	133	K050.4.047
71 B14	105	328	130.5	K050.4.045

Type Tipo	Size Grandezza	Mounting Montaggio	Ratio Rapporto	Output shaft Albero uscita	Type Tipo	Output flange Flangia uscita	Motor size Grandezza motore	Terminal box position Posizione morsettiera	Mounting position Posizione montaggio
M	FA42	C	8.38	D	ST	N	-C	B	H1

Type / Tipo
- With IEC motor — M
- With motor flange — P
- With male input shaft — R
- Modular base — B

Size / Grandezza
- 1 Stages Riduzioni — ALUMINUM: FA41; CAST-IRON: FC61, FC71, FC81
- 2 Stages Riduzioni — ALUMINUM: FS20, FA42, FA52; CAST-IRON: FC62, FC72, FC82
- 3 Stages Riduzioni — ALUMINUM: FA43, FA53, FS50; CAST-IRON: FC63, FC73, FC83

Mounting / Montaggio
- Hollow output shaft — C
- Single output shaft — A
- Shrink disk — D — Only on request for quantity.
- Stainless steel hub — I — Only on request for quantity

Ratio / Rapporto
See technical data table
Vedi tabelle dati tecnici

Output shaft / Albero uscita

Hollow output shaft ➡ STANDARD
- FS20: B ➡ ø20
- FA41-FA42 FA43-FS50: D ➡ ø30; E ⇨ ø35
- FA52-FA53 FC61/2/3: E ➡ ø35; F ⇨ ø40
- FC71 - FC72 FC73: F ➡ ø40; G ⇨ ø45
- FC81 - FC82 FC83: H ➡ ø50; I ⇨ ø55

Single output shaft
- M — FA41 FA42/3 — ø30
- N — FA52/3 FC61/2/3 — ø35
- O — FC71/2/3 — ø40
- K — FC81 FC82/3 — ø50

Shrink disk
- Q — FA42/3 — ø30
- T — FA52/3 FC62/3 — ø35
- U — FC72/3 — ø40
- V — FC82/3 — ø50

Type / Tipo
- Standard bore — ST
- Without reaction arm — ST — Only for FS20
- Available torque arms, see our web site. — S..
- With output flange — -F

Output flange / Flangia uscita
- N — Senza flangia Without flange
- FS20: 1 ➡ ø140
- FA41 - FA42 FA43: 2 ➡ ø160; 3 ⇨ ø200; 4 ⇨ ø250
- FA52 - FA53 FC61/2/3: 4 ➡ ø250; 5 ⇨ ø300
- FC71 - FC72 FC73: 4 ➡ ø250; 5 ⇨ ø300; 6 ⇨ ø350
- FC81 - FC82 FC83: 5 ➡ ø300; 6 ⇨ ø350; 7 ⇨ ø400

Motor size / Grandezza motore

IEC ø

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)
- -H=160 (ø350)
- -I=180 (ø350)

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
- FA43 - FS20 FS50: -Z ⇨ ø9 (56B5); -0 ⇨ ø11 (63B5); -1 ➡ ø14 (71B5)
- FA52 - FC62 FC72 - FC83: -2 ⇨ ø19 (80B5); -3 ⇨ ø24 (90B5); -4 ➡ ø28 (100B5)
- FA42 - FA53 FC63 - FC73: -1 ⇨ ø14 (71B5); -2 ⇨ ø19 (80B5); -3 ➡ ø24 (90B5)

Type R / Tipo R
- FA43 - FS20 FS50: -1 ➡ ø14
- FA52 - FC62 FC72 - FC83: -3 ➡ ø24
- FA42 - FA53 FC63 - FC73: -2 ➡ ø19
- FC82: -4 ➡ ø28

Terminal box position / Posizione morsettiera
- A
- B — STANDARD
- C
- D

Mounting position / Posizione montaggio
- STANDARD — H1
- H4
- H3
- H2
- H5
- H6

Specify only for vertical positions
Specificare solo per posizione verticale

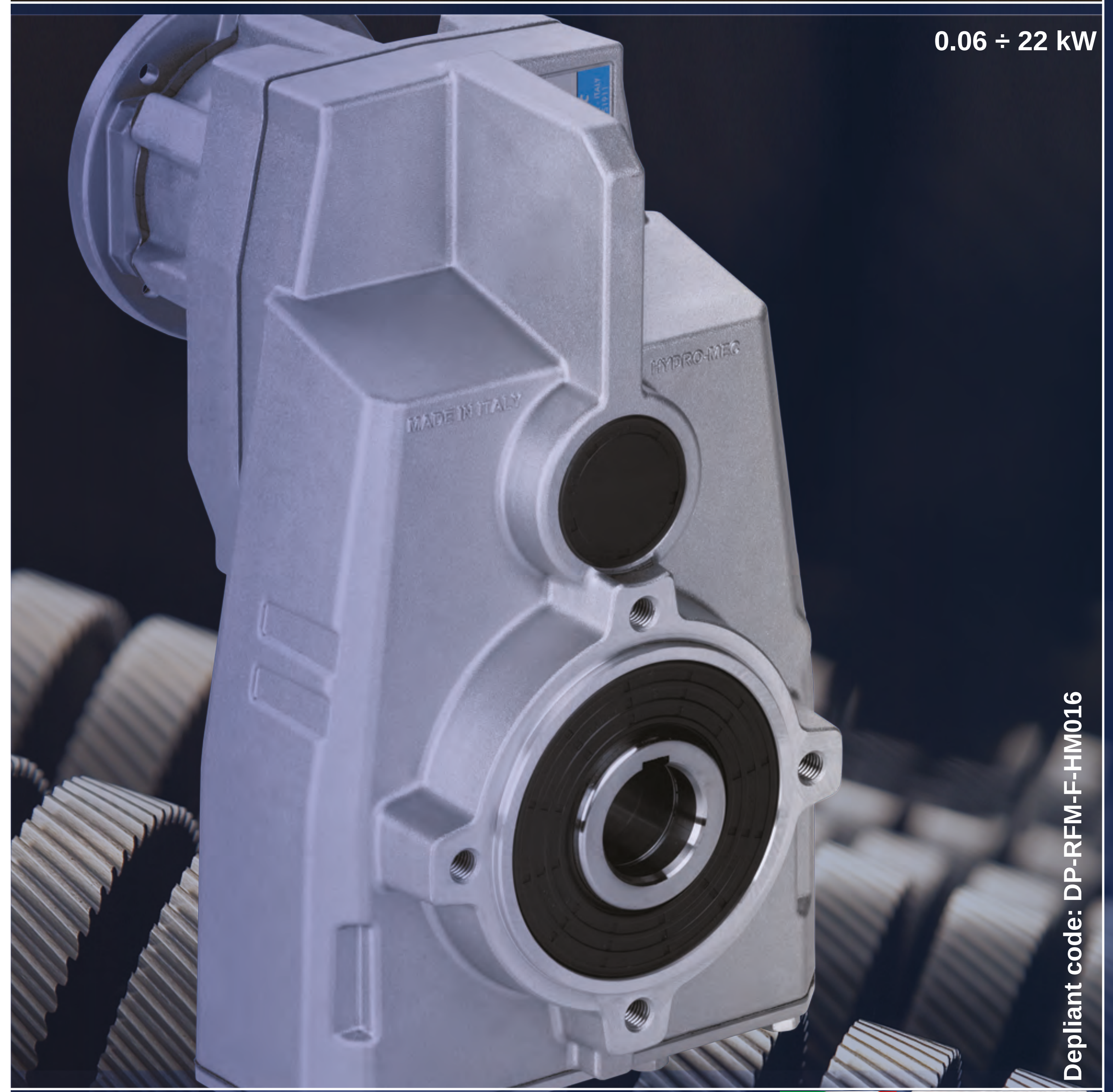
Select type and specific size on the our web site to get complete data.

Selezionare tipo e grandezza specifica nel nostro sito web per la documentazione completa.

DP - R F M - F - HM0 1 6

Compact - Gears

0.06 ÷ 22 kW



Depliant code: DP-RFM-F-HM016

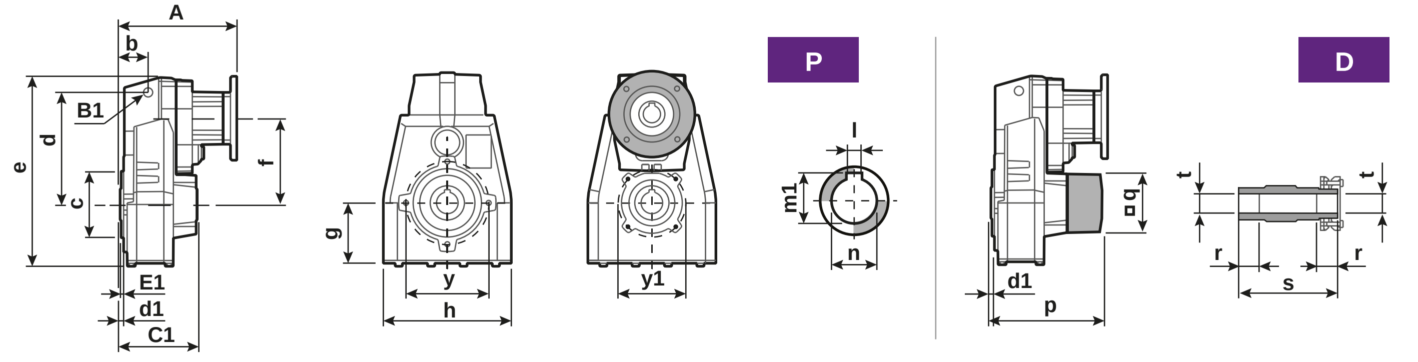
Shaft mounted gearboxes Made in Italy

TÜV NORD

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

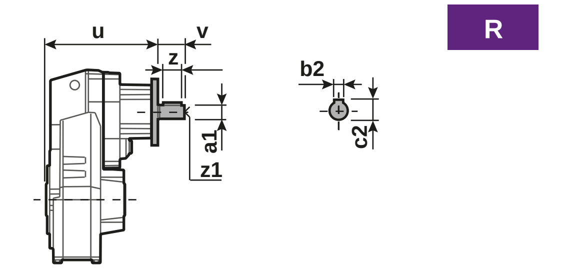
HYDRO•MEC



	b	B1	c (f7)	C1	d	d1	e	E1	f	g	h	y	y1	l	m1	n (H7)	p	q	r	s	t (H7)
FA42	40	ø11	ø95	110	160	5	269	3.5	123	88	178	115	94	8	33.3	ø30	149	86	35	134.5	ø30
FA43	40	ø11	ø95	110	160	5	269	3.5	153	88	178	115	94	8	33.3	ø30	149	86	35	134.5	ø30
FA52	43.5	ø13	ø110	125	162	6.5	316.5	3.5	150	100.5	200	130	105	10	38.3	ø35	173	92	30	157.5	ø35
FA53	43.5	ø13	ø110	125	162	6.5	316.5	3.5	188	100.5	200	130	105	10	38.3	ø35	173	92	30	157.5	ø35
FC62	54	ø13	ø110	125	170	6.5	316.5	3.5	150	100.5	200	130	105	10	38.3	ø35	173	92	30	157.5	ø35
FC63	54	ø13	ø110	125	170	6.5	316.5	3.5	188	100.5	200	130	105	10	38.3	ø35	173	92	30	157.5	ø35
FC72	56.5	ø14	ø130	144	218	7.5	356	3.5	168.5	118.5	242	165	120	12	43.3	ø40	197	106	42	181	ø40
FC73	56.5	ø14	ø130	144	218	7.5	356	3.5	206.5	118.5	242	165	120	12	43.3	ø40	197	106	42	181	ø40
FC82	65	ø22	ø180	163	278	8.5	457.5	4.5	215.5	142.5	278	215	150	14	53.8	ø50	215	122	35	203	ø50
FC83	65	ø22	ø180	163	278	8.5	457.5	4.5	165.5	142.5	278	215	150	14	53.8	ø50	215	122	35	203	ø50

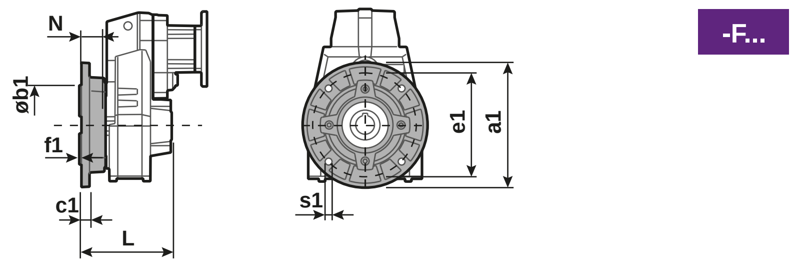
	A							
FA42	63B5	71B5	80-90B5	100/112B5	71B14	80B14	90B14	100/112B14
	169.5	167.5	169.5	185	167.5	168.5	169.5	185
FA43	63B5	71B5	56B14	63B14	71B14			
	173	171	172.5	175	172.5			
FA52	71B5	80-90B5	100/112B5	132B5	80B14	90B14	100/112B14	132B14
	227	229	235	256.5	227	227	238	256.5
FA53	63B5	71B5	80-90B5	71B14	80B14	90B14		
	239	237	239	237	238	239		
FC62	71B5	80-90B5	100/112B5	132B5	80B14	90B14	100/112B14	132B14
	227	229	235	256.5	227	227	238	256.5
FC63	63B5	71B5	80-90B5	71B14	80B14	90B14		
	239	237	239	237	238	239		
FC72	71B5	80-90B5	100/112B5	132B5	80B14	90B14	100/112B14	132B14
	238.5	240.5	246.5	268	238.5	238.5	249.5	268
FC73	63B5	71B5	80-90B5	71B14	80B14	90B14		
	250.5	248.5	250.5	248.5	249.5	250.5		
FC82	132B5	160-180B5						
	341.5	352.5						
FC83	71B5	80-90B5	100/112B5	132B5	80B14	90B14	100/112B14	132B14
	292.5	294.5	300.5	322	292.5	292.5	303.5	322

R



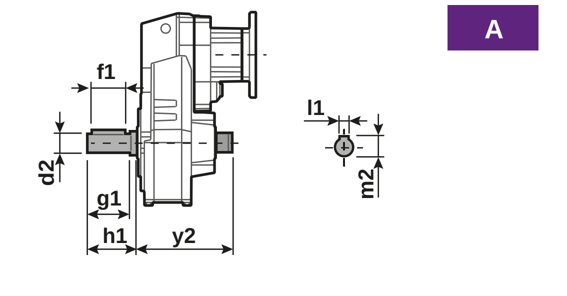
	u	v	z	z1	a1 (h6)	b2	c2
FA42	160	35	30	M6x16	ø19	6	21.5
FA43	166.5	25	20	M5x13	ø14	5	16
FA52	220.5	50	40	M6x16	ø24	8	27
FA53	229.5	35	30	M6x16	ø19	6	21.5
FC62	220.5	50	40	M6x16	ø24	8	27
FC63	229.5	35	30	M6x16	ø19	6	21.5
FC72	232	50	40	M6x16	ø24	8	27
FC73	241	35	30	M6x16	ø19	6	21.5
FC82	328	60	50	M10x25	ø28	8	31
FC83	286.5	50	40	M6x16	ø24	8	27

-F...



	Type	a1	b1	c1	e1	f1	L	N	s1	Kit code
FA42 FA43	2	160	ø110 f7	10	130	3	146	36	9	KX5A.9.010
	3	200	ø130 f7	13	165	3.5	146	36	11	KX5A.9.011
	4	250	ø180 f7	14	215	4	146	36	14	KX5A.9.012
FA52 FA53	4	250	ø180 f7	13	215	4	158	33	14	KF60.9.011
	5	300	ø230 f7	16	265	4	158	33	14	KF60.9.012
FC62 FC63	4	250	ø180 f7	13	215	4	158	33	14	KF60.9.011
	5	300	ø230 f7	16	265	4	158	33	14	KF60.9.012
FC72 FC73	4	250	ø180 f7	13	215	3	176.5	32.5	14	KF70.9.011
	5	300	ø230 f7	16	265	4	176.5	32.5	14	KF70.9.012
	6	350	ø250 f7	18	300	4	176.5	32.5	18	KF70.9.013
FC82 FC83	5	300	ø230 f7	16	265	5	209.5	46.5	14	KF80.9.011
	6	350	ø250 f7	16	300	5	209.5	46.5	18	KF80.9.012
	7	400	ø300 f7	16	350	5	209.5	46.5	18	KF80.9.013

A



	d2	f1	g1	h1	y2	i1	m2
FA42	ø30 $^{-0.005}_{-0.020}$	50	60	68	134	8	33
FA43	ø30 $^{-0.005}_{-0.020}$	50	60	68	134	8	33
FA52	ø35 $^{-0.005}_{-0.020}$	50	60	73.5	141	10	38
FA53	ø35 $^{-0.005}_{-0.020}$	50	60	73.5	141	10	38
FC62	ø35 $^{-0.005}_{-0.020}$	50	60	73.5	141	10	38
FC63	ø35 $^{-0.005}_{-0.020}$	50	60	73.5	141	10	38
FC72	ø40 $^{-0.009}_{-0.025}$	70	80	93.5	-	12	43
FC73	ø40 $^{-0.009}_{-0.025}$	70	80	93.5	-	12	43
FC82	ø50 $^{-0.009}_{-0.025}$	90	100	146.5	-	14	53.5
FC83	ø50 $^{-0.009}_{-0.025}$	90	100	146.5	-	14	53.5

FA41-FC61-FC71-FC81 — 1 Stages Riduzioni

The dynamic efficiency is 0.98 for all ratios — **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]	80 B5	90 B5	100/112 B5	80 B14	90 B14	100/112 B14		Output Shaft	
225 Nm	481	2.91	4	76	1.8	7.2	140	B	B		B	B		3499	Standard	01
	373	3.75	4	98	1.6	6.4	160	B	B		B	B		28105	ø30	02
FA41	263	5.33	4	140	1.2	4.8	170	B	B		B	B		21112	On	03
	219	6.39	4	167	1.0	4.0	170	B	B		B	B		18115	request	04
	178	7.85	4	205	1.1	4.3	225	B	B		B	B		13102	ø35	05

	n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	132 B5	B14		Output Shaft	
380 Nm	507	2.76	9	166	1.6	14.4	265		not available	2980	Standard	01
	395	3.54	9	213	1.3	11.6	275			2485	ø35	02
FC61	277	5.06	9	304	1.0	8.6	290			1891	On	03
	241	5.81	7.5	281	1.2	8.5	330			1693	request	04
	206	6.79	7.5	329	1.2	8.4	380			1495	ø40	05

670 Nm	n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	132 B5	B14		Output Shaft	
FC71	227	6.17	9	371	1.2	10.9	450		not available	18111	Standard ø40	01
	198	7.06	9	425	1.4	12.7	600			16113	On request	02
	170	8.21	9	494	1.4	12.2	670			14115	ø55	03

	n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	160 B5	180 B5	B14		Output Shaft	
1175 Nm	528	2.65	22	374	1.7	36.7	650			not available	2361	Standard	01
	409	3.42	22	483	1.6	32.8	750				1965	ø50	02
FC81	304	4.60	22	649	1.5	30.9	950				1569	On	03
	256	5.46	22	771	1.3	27.4	1000				1371	request	04
	211	6.64	22	937	1.3	26.5	1175				1173	ø55	05

FA42-FA52 — 2 Stages Riduzioni

The dynamic efficiency is 0.96 for all ratios — **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 Shaft	
320 Nm	167	8.38	4	215	1.0	4.1	225	B					C	C			2821		01
	139	10.04	3	194	1.2	3.7	240	B					C	C			2818		02
FA42	114	12.33	3	238	1.1	3.2	260	B					C	C			2813		03
	92	15.16	2.2	215	1.2	2.6	260	B					C	C			1921		04
	80	17.57	2.2	250	1.1	2.3	270	B					C	C			1721	Standard	05
	77	18.16	2.2	258	1.1	2.4	290	B					C	C			1918		06
	67	21.05	2.2	299	1.1	2.3	320	B					C	C			1718		07
	63	22.30	2.2	317	1.0	2.2	320	B					C	C			1913	ø30	08
	57	24.70	2.2	351	0.9	2.0	320	B					C	C			1518		09
	54	25.85	2.2	367	0.9	1.9	320	B					C	C			1713	ø35	10
	47.5	29.49	1.5	289	1.1	1.7	320	B					C	C			1318		11
	46.1	30.34	1.5	297	1.1	1.6	320	B					C	C			1513		12
	41.7	33.60	1.1	240	1.0	1.1	250	B					C	C			1021	On request	13
	38.7	36.21	1.1	259	1.2	1.3	320	B					C	C			1313		14
	34.8	40.25	1.1	288	1.0	1.1	300	B					C	C			1018		15
	28.3	49.43	1.1	354	0.9	0.99	320	B					C	C			1013		16
	26.7	52.53	0.75	258	1.0	0.76	260	B					C	C			918		17
	21.7	64.51	0.75	317	1.0	0.75	315	B					C	C			913		18
	20.2	69.37	0.37	168	1.1	0.42	190	B					C	C			718		19
	16.4	85.19	0.37	206	1.1	0.41	230	B					C	C			713		20

	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	
490 Nm	213	6.57	5.5	230	1.2	6.5	280	B									3018		01
	185	7.56	5.5	265	1.1	5.9	290	B									3016		02
FA52	159	8.82	5.5	309	1.0	5.5	320	B									3014		03
	113	12.39	5.5	434	1.0	5.5	450	B									2018		04
	98	14.24	5.5	499	0.9	4.8	450	B									2016	Standard	05
	84	16.75	4	429	1.1	4.3	470	B									1618		06
	73	19.25	4	494	1.0	3.9	490	B									1616		07
	64	21.78	4	558	0.9	3.4	490	B									1318	ø35	08
	56	25.04	3	483	1.0	3.0	490	B									1316		09
	47.9	29.23	3	564	0.9	2.6	490	B									1314	ø40	10
	45.7	30.65	2.2	436	1.1	2.4	490	B									1116		11
	39.1	35.78	2.2	509	1.0	2.1	490	B									1114		12
	36.3	38.55	2.2	548	0.9	1.9	490	B									818	On request	13
	31.6	44.32	1.5	434	1.1	1.7	490	B									816		14
	27.1	51.74	1.5	507	1.0	1.4	490	B									814		15
	22.9	61.03	1.1	437	1.1	1.2	480	B									616		16
	19.6	71.25	1.1	510	1.0	1.1	490	B									614		17

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

FC62-FC72-FC82 — 2 Stages Riduzioni

The dynamic efficiency is 0.96 for all ratios — **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]	71 B5	80 B5	90 B5	100/112 B5	132 B5	80 B14	90 B14	100/112 B14	132 B14		Output Shaft	
675 Nm	213	6.57	7.5	312	1.2	8.8	380	B									3018		01
	185	7.56	7.5	358	1.1	7.9	390	B									3016		02
FC62	159	8.82	7.5	419	1.0	7.1	410	B									3014		03
	113	12.39	7.5	588	1.0	7.2	580	B									2018	Standard	04
	98	14.24	5.5	499	1.2	6.4	600	B									2016		05
	84	16.75	5.5	587	1.1	6.1	665	B									1618		06
	73	19.25	5.5	675	1.0	5.4	675	B									1616	ø35	07
	64	21.78	4	558	1.2	4.7	675	B									1318		08
	56	25.04	4	642	1.1	4.1	675	B									1316	ø40	09
	47.9	29.23	4	750	0.9	3.5	675	B									1314		10
	45.7	30.65	3	592	1.1	3.4	675	B									1116		11
	39.1	35.78	3	691	1.0	2.9	675	B									1114	On request	12
	36.3	38.55	2.2	548	1.1	2.3	580	B									818		13
	31.6	44.32	2.2	630	1.1	2.3	665	B									816		14
	27.1	51.74	2.2	735	0.9	2.0	675	B									814		15
	22.9	61.03	1.1	437	1.1	1.2	480	B									616		16
	19.6	71.25	1.1	510	1.1	1.2	560	B									614		17

	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	
900 Nm	175	8.02	9	473	1.1	9.9	520	B									3018		01
	152	9.18	9	541	1.1	9.8	590	B									3016		02
FC72	131	10.68	9	630	1.1	9.7	680	B									3014		03
	93	15.11	7.5	717	1.1	7.8	775	B									2018	Standard	04
	81	17.30	7.5	821	1.1	7.8	885	B									2016		05
	70	20.13	7.5	955	0.9	6.8	900	B									2014		06
	60	23.39	5.5	820	1.1	5.9	900	B									1616	ø40	07
	51	27.21	5.5	954	0.9	5.1	900	B									1614		08
	46.0	30.42	4	780	1.2	4.5	900	B									1316	ø45	09
	39.6	35.38	4	907	1.0	3.9	900	B									1314		10
	37.6	37.24	3	719	1.2	3.7	895	B									1116		11
	32.3	43.31	3	836	1.1	3.2	900	B									1114	On request	12
	29.8	47.02	2.2	668	1.1	2.3	705	B									818		13
	26.0	53.85	2.2	765	1.1	2.3	810	B									816		14
	22.4	62.63	2.2	890	1.0	2.2	900	B									814		15
	18.9	74.16	1.1	531	1.1	1.2	585	B									616		16
	16.2	86.25	1.1	617	1.1	1.2	680	B									614		17

	n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	132 B5	160 B5	180 B5	B14		Output Shaft	
2100 Nm	234	5.98	22	827	1.2	25.5	1000				not available	3015		01
	197	7.10	22	982	1.2	25.3	1175					3013		02
FC82	162	8.63	22	1193	1.1	23.9	1350					3011		03
	124	11.27	18.5	1310	1.1	20.3	1500					2015	Standard	04
	105	13.38	18.5	1555	1.1	19.4	1700					2013		05
	92	15.24	18.5	1771	1.1	19.0	1900					1615		06
	86	16.26	18.5	1889	1.1	19.7	2100					2011	ø50	07
	77	18.09	18.5	2102	1.0	17.7	2100					1613		08
	71	19.82	15	1865	1.1	15.9	2060					1315	ø55	09
	64	21.98	15	2069	1.0	14.6	2100					1611		10
	60	23.53	15	2214	0.9	13.6	2100					1313		11
	58	24.25	11	1677	1.2	12.2	1940					1115	On request	12
	48.6	28.80	11	1991	1.1	11.1	2100					1113		13
	40.0	34.99	9	2063	1.0	9.2	2100					1111		14
	33.6	41.64	7.5	1976	1.0	7.2	1960					813		15
	27.7	50.60	5.5	1774	1.2	6.3	2100					811		16

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

FC63-FC73-FC83 — 3 Stages Riduzioni

The dynamic efficiency is 0.94 for all ratios — **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	71 B14	80 B14	90 B14		Output Shaft	
675 Nm	22.6	61.89	1.5	594	1.1	1.7	675	B				C	C		191318		01
	19.7	71.16	1.5	683	1.0	1.5	675	B				C	C		191316		02
FC63	17.0	82.48	1.5	792	0.9	1.3	675	B				C	C		171316		03
	14.5	96.29	1.1	675	1.0	1.1	675	B				C	C		171314		04
	13.9	100.51	1.1	705	1.0	1.0	675	B				C	C		131318		05
	12.1	115.56	0.75	556	1.2	0.91	675	B				C	C		131316	Standard	06
	11.1	125.96	0.75	606	1.1	0.82	665	B				C	C		190816		07
	10.4	134.91	0.75	649	1.0	0.78	675	B				C	C		131314		08
	9.5	147.05	0.75	707	1.0	0.72	675	B				C	C		190814	ø35	09
	8.2	170.44	0.55	605	1.1	0.62	675	B				C	C		170814		10
	7.6	184.15	0.55	653	1.0	0.57	675	B				C	C		101314	ø40	11
	6.8	205.87	0.55	730	0.9	0.51	675	B				C	C		91316		12
	5.8	240.34	0.37	570	1.2	0.44	675	B				C	C		91314		13
	5.0	279.22	0.37	662	1.0	0.37	665	B				C	C		100816	On request	14
	4.3	325.97	0.37	773	0.9	0.32	675	B				C	C		100814		15
	3.8	364.41	0.25	583	1.1	0.28	665	B				C	C		90816		16
	3.3	425.43	0.25	681	1.0	0.25	675	B				C	C		90814		17
	2.9	481.19	0.18	589	1.1	0.22	665	B				C	C		70816		18
	2.5	561.76	0.18	687	1.0	0.19	675	B				C	C		70814		19

	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	
900 Nm	18.5	75.50	1.5	725	1.1	1.7	825	B				C	C		191318		01
	16.2	86.47	1.5	830	1.1	1.6	900	B				C	C		191316		02
FC73	14.0	100.22	1.5	962	0.9	1.4	900	B				C	C		171316		03
	12.0	116.56	1.1	817	1.1	1.2	900	B				C	C		171314		04
	10.2	136.82	1.1	959	0.9	1.0	900	B				C	C		151314		05
	9.1	153.05	0.75	736	1.1	0.83	810	B				C	C		190816	Standard	06
	8.6	163.31	0.75	785	1.1	0.86	900	B				C	C		131314		07
	7.9	178.01	0.75	856	1.1	0.79	900	B				C	C		190814		08
	7.3	191.67	0.75	922	1.0	0.73	900	B				C	C		101316	ø40	09
	6.8	206.32	0.75	992	0.9	0.68	900	B				C	C		170814		10
	6.3	222.92	0.55	791	1.1	0.63	900	B				C	C		101314	ø45	11
	5.8	242.18	0.55	859	1.0	0.58	900	B				C	C		150814		12
	5.6	250.15	0.55	888	1.0	0.56	900	B				C	C		91316		13
	4.8	289.08	0.55	1026	0.9	0.49	900	B				C	C		130814	On request	14
	4.2	330.31	0.37	783	1.1	0.42	890	B				C	C		71316		15
	3.5	394.59	0.37	936	1.0	0.36	900	B				C	C		100814		16
	2.7	514.99	0.25	824	1.1	0.27	900	B				C	C		90814		17
	2.1	680.03	0.18	832	1.1	0.21	900	B				C	C		70814		18

	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	
2100 Nm	28.8	48.55	7.5	2257	0.9	6.7	2100	B									201315		01
	24.3	57.64	5.5	1980	1.1	5.7	2100	B									201313		02
FC83	21.3	65.64	5.5	2255	0.9	5.0	2100	B									161315		03
	20.0	70.04	4	1760	1.2	4.7	2100	B									201311	Standard	04
	18.0	77.93	4	1958	1.1	4.2	2100	B									161313		05
	16.4	85.36	4	2145	1.0	3.8	2100	B									131315		06
	14.8	94.70	4	2380	0.9	3.5	2100	B									161311	ø50	07
	13.8	101.35	3	1917	1.1	3.2	2100	B									131313		08
	11.4	123.15	3	2330	0.9	2.7	2100	B									131311	ø55	09
	9.3	150.73	2.2	2100	1.0	2.2	2100	B									111311		10
	7.8	179.39	1.5	1722	1.2	1.8	2100	B									81313	On request	11
	6.4	217.98	1.5	2093	1.0	1.5	2100	B									81311		12
	5.7	247.03	1.1	1732	1.1	1.2	1950	B									61313		13
	4.7	300.17	1.1	2105	1.0	1.1	2100	B									61311		14

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

FS20-FS50 — 3 Stages Riduzioni

The dynamic efficiency is 0.93 for all ratios — **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 Shaft	
90 Nm	24.2	57.95	0.25	93	1.0	0.24	90			C	C		2844		01
	13.4	104.80	0.12	83	1.1	0.13	90			C	C		1954		02
FS20	11.5	121.47	0.12	96	0.9	0.12	90			C	C		1756	Standard	03
	9.8	142.59	0.09	90	1.0	0.10	90			C	C		1558		04
	8.2	170.20	0.06	70	1.3	0.08	90			C	C		1360		05
	6.0	232.32	0.06	96	0.9	0.06	90			C	C		1063	ø20	06
	4.6	303.20	0.06	126	*	0.05	90			C	C		974		07
	3.5	400.37	0.06	166	*	0.04	90			C	C		776		08

*** Power higher than the maximum one which can be born by the gearbox. Select according to the torque moment M2R**
* Potenza superiore a quella massima sopportabile dal riduttore. Selezionare in base al momento torcente M2R.

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 Shaft	
480 Nm	29.3	47.70	1.1	334	1.4	1.6	480			C	C		281316		01
	16.2	86.27	0.75	415	1.2	0.87	480			C	C		191316		02
FS50	14.0	100.00	0.75	481	1.0	0.75	480			C	C		171316	Standard ø30	03
	11.9	117.38	0.55	416	1.2	0.64	480			C	C		151316		04
	10.0	140.10	0.55	497	1.0	0.53	480			C	C		131316	On request	05
	7.3	191.24	0.37	454	1.1	0.39	480			C	C		101316	ø35	06
	5.6	249.59	0.25	399	1.2	0.30	480			C	C		91316		07
	4.2	329.58	0.25	527	0.9	0.23	480			C	C		71316		08

The dynamic efficiency is 0.94 for all ratios

FA43-FA53 — 3 Stages Riduzioni

The dynamic efficiency is 0.94 for all ratios — **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 Shaft	
320 Nm	18.8	74.33	0.37	176	1.8	0.67	320			C	C		191313		01
	17.0	82.56	0.37	196	1.6	0.60	320			C	C		151318		02
FA43	16.0	87.48	0.37	207	1.5	0.57	320			C	C		131713		03
	13.8	101.40	0.37	240	1.3	0.49	320			C	C		151313	Standard	04
	11.4	122.57	0.37	291	1.1	0.41	320			C	C		131313		05
	10.1	138.59	0.37	329	1.0	0.36	320			C	C		101318		06
	8.7	160.82	0.25	257	1.2	0.31	320			C	C		91713	ø30	07
	8.2	170.20	0.25	272	1.2	0.29	320			C	C		101313		08
	7.6	183.48	0.25	294	1.1	0.27	320			C	C		91318		09
	6.5	214.15	0.18	262	1.2	0.23	320			C	C		71713	ø35	10
	6.2	225.33	0.18	276	1.2	0.22	320			C	C		91313		11
	5.7	244.32	0.18	299	1.1	0.20	320			C	C		71318		12
	5.5	254.15	0.18	311	1.0	0.20	320			C	C		61713	On request	13
	4.8	289.96	0.18	355	0.9	0.17	320			C	C		61318		14
	4.7	300.05	0.18	367	0.9	0.17	320			C	C		71313		15
	3.9	356.09	0.12	282	1.1	0.14	320			C	C		61313		16

	n_2 [min^{-1}]	i	P_{1M} [kW]	M_{2M} [Nm]	f.s	P_{1R} [kW]	M_{2R} [Nm]	63 B5	71 B5	80B5	90 B5	71 B14	80 B14	90 B14		Output Shaft	
510 Nm	22.6	61.89	1.1	434	1.2	1.3	510	B				C	C		191318		01
	19.7	71.16	1.1	499	1.0	1.1	510	B				C	C		191316		02
FA53	17.0	82.48	1.1	578	0.9	0.96	510	B				C	C		171316		03
	14.5	96.29	0.75	463	1.1	0.83	510	B				C	C		171314		04
	13.9	100.51	0.75	483	1.1	0.79	510	B				C	C		131318		05
	12.1	115.56	0.55	410	1.2	0.69	510	B				C	C		131316	Standard	06
	11.1	125.96	0.55	447	1.1	0.63	510	B				C	C		190816		07
	10.4	134.91	0.55	479	1.1	0.59	510	B				C	C		131314		08
	9.5	147.05	0.55	522	1.0	0.54	510	B				C	C		190814	ø35	09
	8.2	170.44	0.37	404	1.3	0.47	510	B				C	C		170814		10
	7.6	184.15	0.37	437	1.2	0.43	510	B				C	C		101314	ø40	11
	6.8	205.87	0.37	488	1.0	0.39	510	B				C	C		91316		12
	5.8	240.34	0.37	570	0.9	0.33	510	B				C	C		91314		13
	5.0	279.22	0.25	447	1.1	0.28	510	B				C	C		100816	On request	14
	4.3	325.97	0.25	522	1.0	0.24	510	B				C	C		100814		15
	3.8	364.41	0.18	446	1.1	0.22	510	B				C	C		90816		16
	3.3	425.43	0.18	521	1.0	0.19	510	B				C	C		90814		17
	2.9	481.19	0.18	589	0.9	0.17	510	B				C	C		70816		18
	2.5	561.76	0.12	444	1.1	0.14	510	B				C	C		70814		19

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