



RIDUTTORI GHISA ORTOGONALI
HELICAL BEVEL CAST IRON GEARBOXES

serie KC



POWER TRANSMISSION





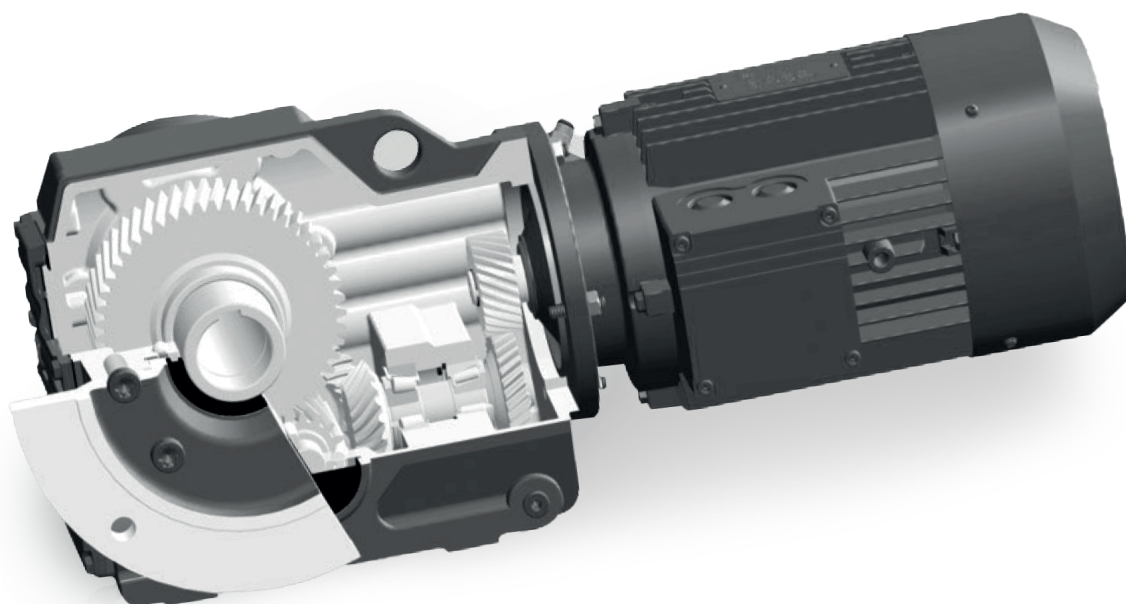
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Tipo - Type

KC..



albero lento maschio monolitico

KCA..B



albero lento femmina con chiavetta

KCH..B



albero lento femmina con calettatore

KCV..B



albero lento femmina scanalato

KCF..



albero lento maschio monolitico
con flangia

KCAF..



albero lento femmina con flangia

KCHF..



KCVF..



KCH..



KCA..



KCV..



KCA/T..



KCAZ..



KCHZ..



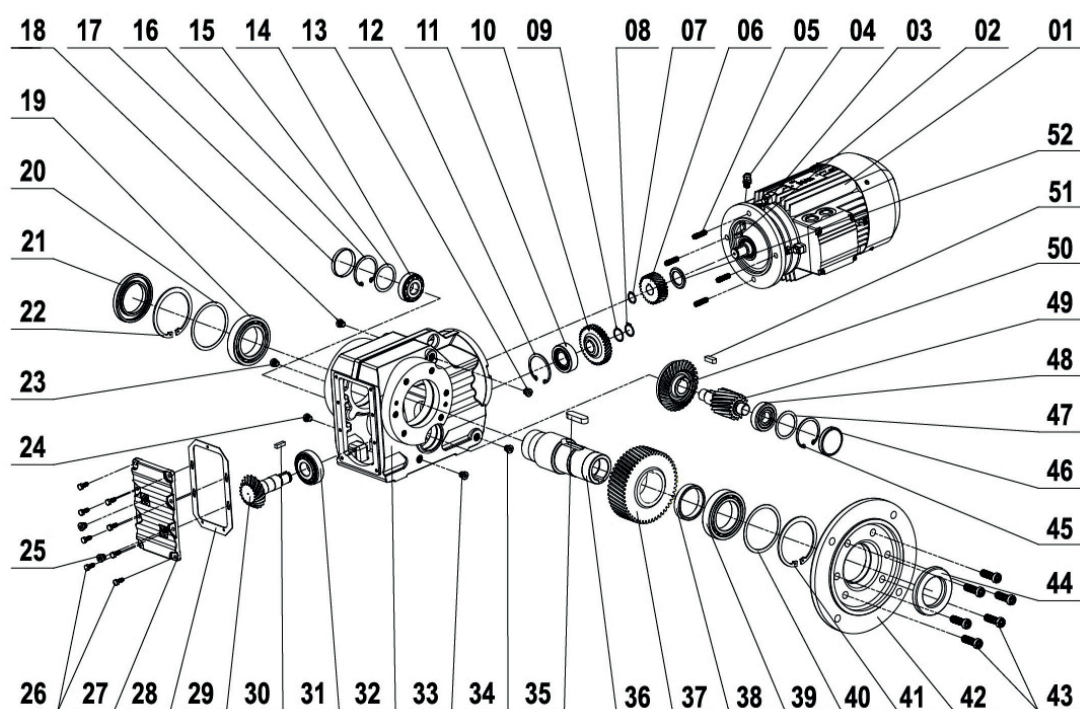
KCVZ..



KC..RC..



Esploso - Parts diagram



- 1 Motore elettrico - *Electric motor*
- 2 Flangia motore elettrico - *Electric motor flange*
- 3 Statore motore elettrico - *Electric motor body*
- 4 Ingrassatore motore - *Grease gun motor*
- 5 Viti flangia motore elettrico - *Screw electric motor flange*
- 6 Primo ingranaggio in ingresso riduttore - *First input gear*
- 7 Spessore - *Thickness*
- 8 Rondella - *Washer*
- 9 Seeger - *Seeger*
- 10 Secondo ingranaggio riduttore - *Second gear*
- 11 Cuscinetto - *Bearing*
- 12 Seeger - *Seeger*
- 13 Tappo olio - *Plug*
- 14 Cuscinetto - *Bearing*
- 15 Spessore - *Thickness*
- 16 Seeger - *Seeger*
- 17 Tappo - *Plug*
- 18 Tappo olio - *Plug*
- 19 Cuscinetto - *Bearing*
- 20 Spessore - *Thickness*
- 21 Anello tenuta - *Olio seal*
- 22 Seeger - *Seeger*

- 23 Tappo olio - *Plug*
- 24 Tappo olio - *Plug*
- 25 Piastra chiusura - *Closing plate*
- 26 Viti piastra - *Plate screws*
- 27 Fori piastra - *Plate hole*
- 28 Guarnizione piastra - *Gasket plate*
- 29 Pignone - *Sprocket*
- 30 Chiavetta - *Key*
- 31 Cuscinetto - *Bearing*
- 32 Carcassa - *Body*
- 33 Tappo olio - *Plug*
- 34 Tappo olio - *Plug*
- 35 Chiavetta - *Key*
- 36 Albero in uscita - *Output shaft*
- 37 Ingranaggio - *Gear*
- 38 Spessore - *Thickness*
- 39 Cuscinetto - *Bearing*
- 40 Spessore - *Thickness*
- 41 Seeger - *Seeger*
- 42 Flangia in uscita - *Output flange*
- 43 Viti - *Screws*
- 44 Anello di tenuta - *Oil seal*
- 45 Seeger - *Seeger*
- 46 Tappo di chiusura - *Plug*

- 47 Spessore - *Thickness*
- 48 Cuscinetto - *Bearing*
- 49 Ingranaggio - *Gear*
- 50 Ingranaggio conico - *Bevel gear*
- 51 Chiavetta - *Key*
- 52 Spessore - *Thickness*

Codice prodotto - Product code

CODICE SERIE Series code	KC..	Riduttore con fissaggio a piedi	Helical-spiral geared motor, foot-mounted
	KCA..B	Riduttore con fissaggio a piedi con albero lento cavo	Helical-spiral geared motor, foot-mounted with hollow shaft
	KCH..B	Riduttore con fissaggio a piedi albero lento con calettatore	Helical-spiral geared motor, foot-mounted with hollow shaft and shrink disk
	KCV..B	Riduttore con fissaggio a piedi e albero lento scanalato	Helical-spiral geared motor, foot-mounted with hollow shaft and spline
	KCF..	Riduttore con albero lento maschio e flangia in uscita	Helical-spiral geared motor in B5 flange-mounted
	KCAF..	Riduttore con fissaggio a flangia con albero lento cavo	Helical-spiral geared motor in B5 flange-mounted with hollow shaft
	KCHF..	Riduttore con fissaggio a flangia e albero lento con calettatore	Helical-spiral geared motor in B5 flange-mounted with hollow shaft and shrink disk
	KCVF..	Riduttore con fissaggio a flangia e albero lento scanalato	Helical-spiral geared motor in B5 flange-mounted with hollow shaft and spline
	KCA..	Riduttore con fissaggio pendolare ad albero cavo	Helical-spiral geared motor with hollow shaft
	KCH..	Riduttore con fissaggio pendolare e albero lento con calettatore	Helical-spiral geared motor with hollow shaft and shrink disk
	KCV..	Riduttore con fissaggio pendolare e albero lento scanalato	Helical-spiral geared motor with hollow shaft and spline
	KCA/T..	Riduttore con fissaggio con braccio di reazione	Helical-spiral geared motor with torque arm
	KCAZ..	Riduttore con fissaggio pendolare con braccio di reazione laterale con albero lento cavo	Helical-spiral geared motor in B14 flange-mounted with hollow shaft
	KCHZ..	Riduttore con fissaggio pendolare con braccio di reazione laterale con albero lento con calettatore	Helical-spiral geared motor in B14 flange-mounted with hollow shaft and shrink disk
	KCVZ..	Riduttore con fissaggio pendolare per braccio di reazione laterale con albero lento scanalato	Helical-spiral geared motor in B14 flange-mounted with hollow shaft and spline
	KC..RC..	Riduttore combinato	Combination helical geared motor
GRANDEZZE Frame size	37, 47, 57, 67, 77, 87, 97, 107, 127, 157, 167, 187	KC.. grandezza	KC frame size
	187/107, 187/97, 167/107, 167/97, 157/107, 157/97, 127/87, 127/77, 107/77, 97/57, 87/57, 77/73, 67/37, 57/37, 47/37, 37/17	KC..RC.. grandezza	KC..RC.. frame size
RAPPORTO Ratio	5.31,..., 179.86	Rapporto di KC..	Ratio of KC
	94,..., 32625	Rapporto di KC..RC..	Ratio of KC..RC..
POTENZA DEL MOTORE Power of motor	0.12,..., 200kW	Potenza del motore	Power of motor
POLI DEL MOTORE Pole of motor	2P, 4P, 6P, 8P	Poli del motore	Pole of motor
POSIZIONE DI MONTAGGIO Mounting position	M1, M2, M3, M4, M5, M6	Posizione di montaggio	Mounting position
POSIZIONE MORSETTIERA Terminal box position	R(0°C)	Posizione della morsettiere	Position of terminal box
	B(90°C)		
	L(180°C)		
	T(270°C)		

Esempio di ordinazione - Marking principle of KC recucer**KCA 67 / TA - 30.32 / GMS 8024 / HF / TF / RS / V / C / E / M3 / R / A**

KCA	Codice serie	Series code
67	Grandezza	Frame size
TA	Braccio di reazione	Torque arm
30.32	Rapporto	Ratio
GMS 8024	GMS.. - motore trifase	GMS.. - Three phase asynchronous motor
	GMSH.. - motore trifase ad alta efficienza	GMSH.. - High efficiency three phase motor
	GBMA.. - AC motore autofrenante	GBMA.. - AC brake motor
	GBMD.. - DC motore autofrenante	GBMD.. - DC brake motor
	GYVF.. - motore con regolazione di velocità variabile	GYVF.. - Frequency variable speed regulation motor
	GBMDVF.. - freno motore con inverter	GBMDVF.. - Frequency variable speed regulation brake motor
	AD.. - ingresso albero maschio	AD.. - Shaft input module
	IEC.. - ingresso flangia IEC	IEC.. - IEC flange input module
HF	NEMA.. - ingresso flangia NEMA	NEMA.. - NEMA flange input module
	Motore autofrenante standard:	Brake release:
	No codice - No motore autofrenante	No code - NO brake release
	HF - motore autofrenante (con rilascio manuale bloccabile)	HF - brake release (with lockable manual brake release)
TF	HR - rilascio freno (con rilascio automatico)	HR - brake release (with automatic manual brake disengagement)
	Protezione termica motore:	Thermistor:
RS	No codice - no protezione termica	No code - No thermistor
	TF sensore termico	TF - Thermistor sensor
V	Freno:	Backstop:
	No codice - no freno	No code - No backstop
C	Rs- freno	RS - Backstop
	Kit servomotori:	Forced cooling fan:
E	No codice - no kit	No code - No forced cooling fan
	V - kit servomotori	V - Forced cooling fan
M3	Protezione termica kit servomotori:	Protection cowl for che fan guard
	No codice- no protezione termica kit	No code - No protection cowl for che fan guard
	C- protezione termica kit servomotori	C - Protection cowl for che fan guard
R	Encoder:	Encoder:
	No code - No encoder	No code - No encoder
	E - Encoder	E - Encoder
	Posizione di montaggio - M1, M2, M3, M4, M5, M6	Mounting position - M1, M2, M3, M4, M5, M6
A	Posizione della morsetteria	Position of terminal box
	R = 0°	R = 0°
	B = 90°	B = 90°
	L = 180°	L = 180°
A	T = 270°	T = 270°
	Posizione della morsetteria	Position of terminal box
	A - Albero o flangia posizione A	A - Shaft or flange with A
	B - albero o flangia posizione B	B - Shaft or flange with B
A	A+B- albero o flangia posizione A+B	A+B - Shaft or flange with A+B

Riduttori combinati - Combined gear reducer

Combinando due riduttori si può ottenere una minore velocità di uscita.
Adottando questo tipo di trasmissione, la potenza del motore deve dipendere dal limite della coppia di uscita del riduttore.

Combining two gear reducers can achieves lowest output speed. Adopting this transmission plan, the motor power must be dependent on the limit output torque of reducer.

Possibili combinazioni di due riduttori assemblati.

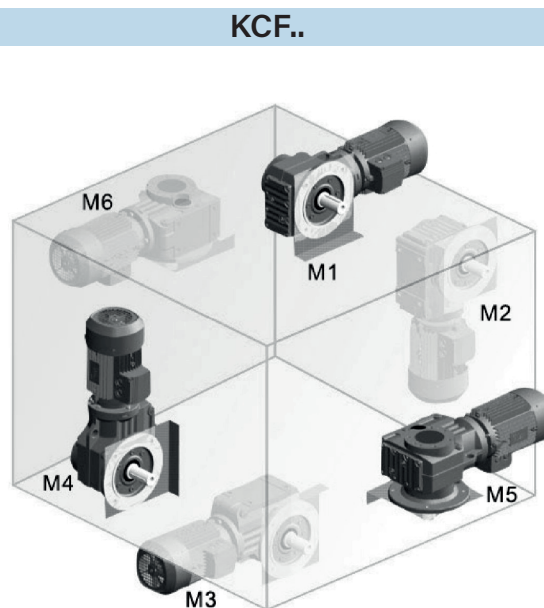
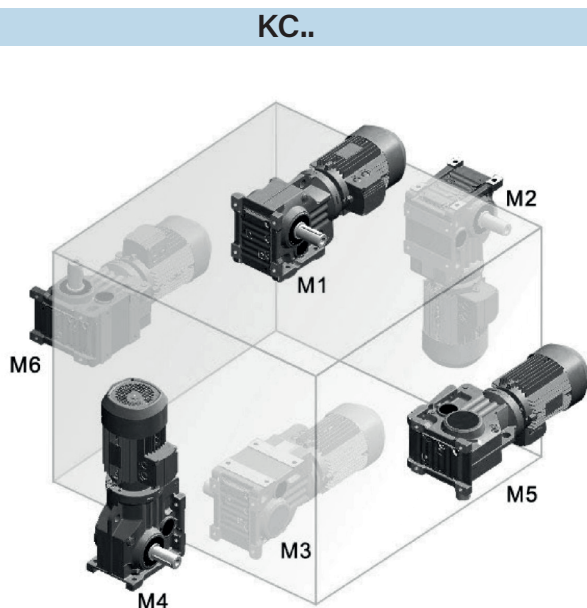
The possible connection of double combined reducer

	RC17	RC27	RC37	RC47	RC57	RC67	RC77	RC87	RC97	RC107
KC37	●									
KC47			●							
KC57			●							
KC67			●							
KC77			●							
KC87					●					
KC97					●					
KC107							●			
KC127							●	●		
KC157									●	●
KC167									●	●
KC187									●	●

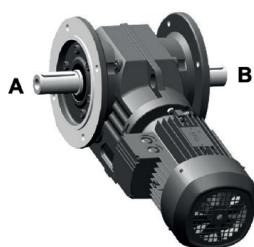
NOTA: ● principali possibili combinazioni; parti vuote no combinazioni

NOTE: ● means possible combination; blank part unallowed combination

KC Posizioni di montaggio - *Mounting position*



Posizione dell'albero in uscita e della flangia in uscita - *Position of output shaft and output flange*



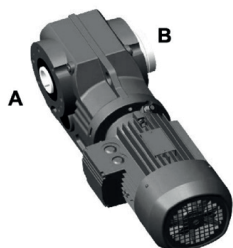
La direzione dell'immagine a sinistra: guardando davanti dalla copertura del ventilatore della traiettoria del motore.

Indicare A, B, A+B per l'albero in uscita a la posizione della flangia in uscita.

The direction of left picture: looking ahead from the fan cover of motor trail.

Provide A, B, A+B from of output shaft and flange position.

Posizione del calettatore sull'albero in uscita - *Position of shrink output shaft*



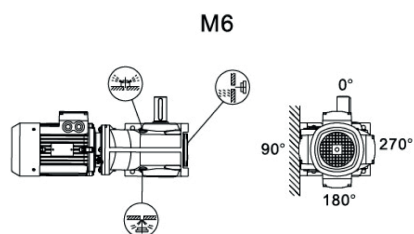
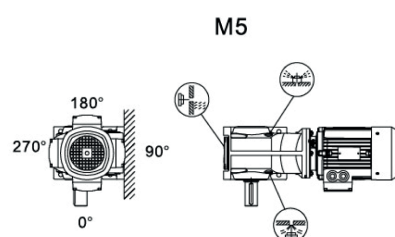
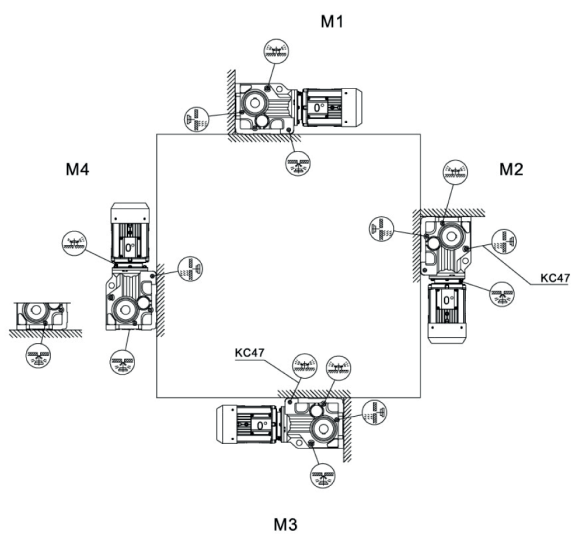
La direzione dell'immagine a sinistra: guardando davanti dalla copertura del ventilatore della traiettoria del motore.

Indicare quali delle due posizioni dell'albero in uscita: calettatore nella posizione A o B.

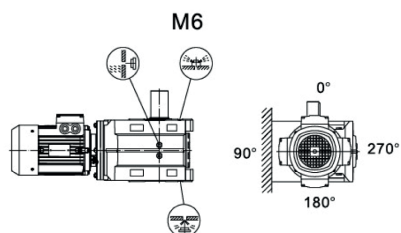
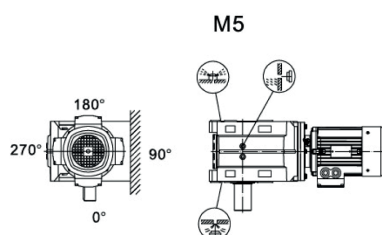
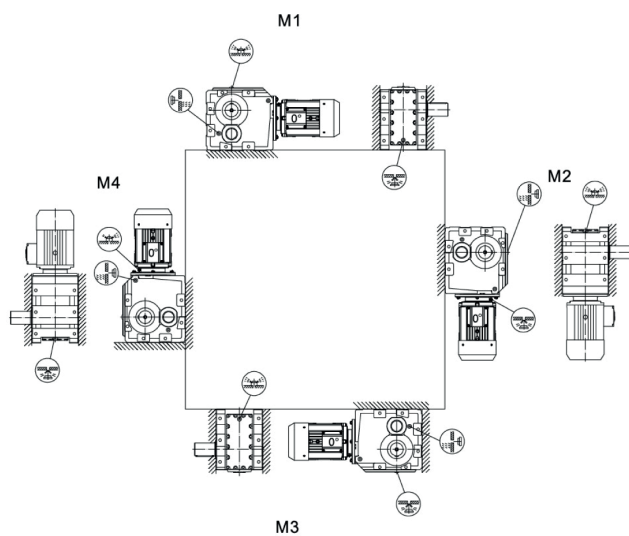
The direction of left picture: looking ahead from the fan cover of motor trail.

Provide two positions of output shaft: shrink disk at A and shrink disk at B.

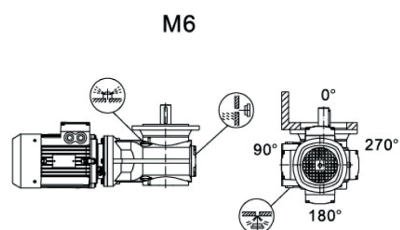
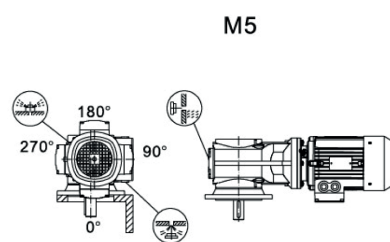
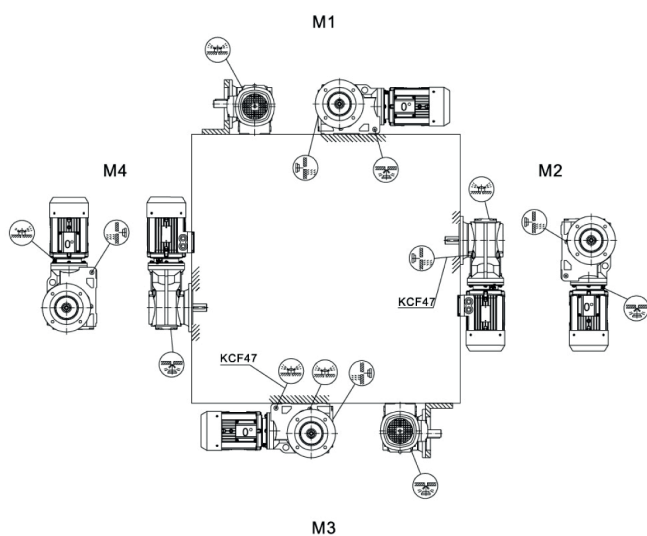
KC/KCA..B/KCH37B - 157B/KCV37B - 107B Posizioni di montaggio - *Mounting positions*



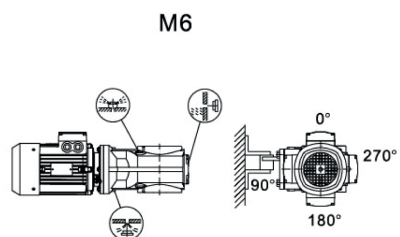
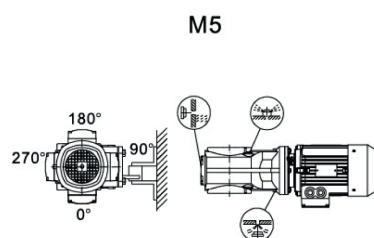
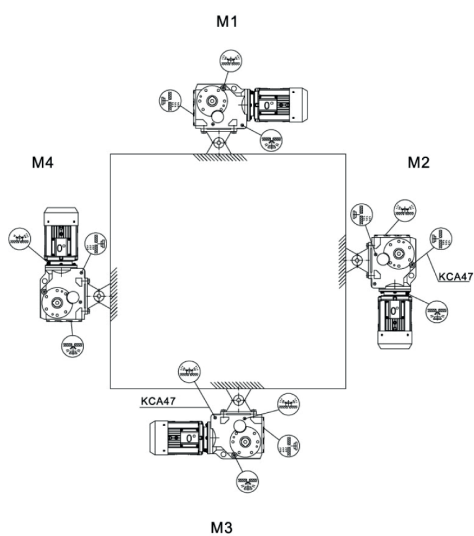
KC167 - 187/KCH167B - 187B Posizioni di montaggio - *Mounting positions*



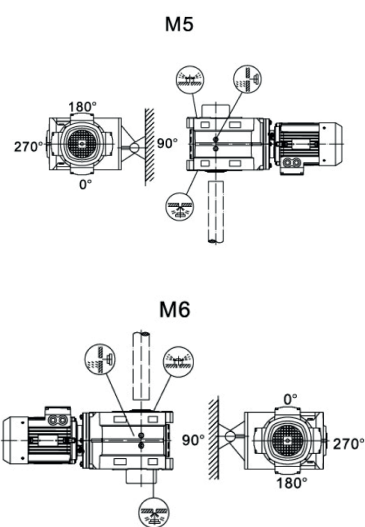
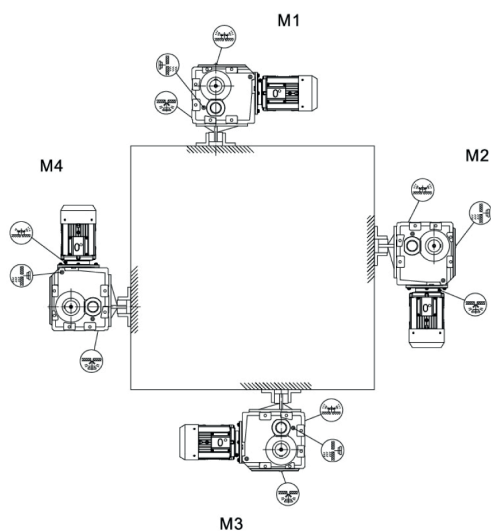
KCF/KCAF/KCHF/KCAZ/KCHZ37 - 157/KCVF/KCVZ37 - 107 Posizioni di montaggio - Mounting positions



KCA/KCH37 - 157/KCV37 - 107 Posizioni di montaggio - Mounting positions



KCH167-187 Posizioni di montaggio - *Mounting positions*



KC..MS.. Tabelle prestazioni - Performance parameter

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.12kW					
0.08	10900	17550	1.20	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.09	9900	16006	1.30		
0.09	9206	14975	1.40		
0.11	7690	12240	1.70		
0.13	6750	10915	1.95		
0.14	6070	9819	2.1		
0.16	5190	8443	2.5		
0.18	4630	7482	2.8		
0.10	8850	14311	0.90	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.11	7550	12211	1.05		
0.13	6600	10677	1.20		
0.14	5890	9524	1.35		
0.17	5150	8328	1.55		
0.19	4500	7270	1.80		
0.22	3710	6184	2.2		
0.24	3220	5662	2.5		
0.27	2920	5138	2.7		
0.32	2680	4359	3.0	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.17	5460	8054	0.80		
0.20	4430	6970	0.95		
0.23	4000	6027	1.05		
0.26	3660	5391	1.20		
0.30	3020	4669	1.40		
0.34	2740	4082	1.50		
0.39	2380	3583	1.80		
0.44	2100	3108	2.1		
0.50	1770	2757	2.4	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.57	1650	2419	2.6		
0.65	1430	2123	3.0		
0.74	1270	1856	3.4		
0.85	1050	1625	4.1		
0.96	890	1430	4.8		
1.1	870	1261	5.0		
1.2	755	1102	5.7		
0.26	3480	5240	0.80		
0.30	2900	4562	0.95		
0.34	2680	4037	1.00		
0.38	2400	3609	1.15		
0.44	2070	3107	1.30		
0.51	1730	2728	1.55		
0.58	1530	2371	1.75	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.66	1430	2088	1.90		
0.74	1270	1854	2.10		
0.83	1140	1657	2.40		
0.97	970	1415	2.80		
1.1	840	1229	3.20		
1.3	725	1078	3.70		
1.4	610	951	4.40		
1.7	525	837	5.20		
1.9	455	726	5.90	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.51	1840	2717	0.85		
0.58	1530	2370	1.00		
0.67	1440	2050	1.10		
0.78	1230	1772	1.25		
0.91	1050	1514	1.50		
0.99	960	1388	1.60		
1.1	840	1218	1.85		
1.3	740	1053	2.1		
1.5	645	924	2.4		
1.7	570	815	2.7		
1.9	450	709	3.5		
2.2	395	622	3.9	KC67RC37 KCF67RC37 KCA67RC37 KCAF67RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
1.0	960	1351	0.85		
1.2	830	1171	1.00		
1.3	725	1034	1.15		
1.5	605	903	1.35		
1.7	570	793	1.45		
2.0	455	679	1.80		
2.2	400	613	2.0		
2.6	350	542	2.3		
2.9	330	471	2.5		
3.3	270	420	3.0		
3.8	250	361	3.3		
4.3	220	323	3.8		
5.0	181	279	4.5		
5.6	159	246	5.2		
6.4	139	217	5.9		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.12kW					
1.5	605	906	1.00	KC57RC37 KCF57RC37 KCA57RC37 KCAF57RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
1.7	545	806	1.10		
2.0	455	699	1.30		
2.2	400	615	1.50		
2.5	350	544	1.70		
2.9	325	473	1.85		
3.3	275	421	2.2		
3.8	250	362	2.4		
4.3	220	319	2.8		
4.9	181	280	3.3		
5.6	160	246	3.8		
6.4	141	215	4.3		
7.2	126	192	4.8		
2.5	380	552	1.05	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
2.8	325	495	1.25		
3.2	290	426	1.40		
3.7	245	375	1.65		
4.2	225	327	1.75		
4.8	198	289	2.0		
4.0	245	346	0.80	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
4.5	205	304	0.95		
5.2	189	267	1.05		
5.9	163	234	1.20		
6.7	143	205	1.40		
7.6	124	181	1.60		
8.6	109	160	1.85		
10	91	136	2.2		
9.5	121	145.14*	5.00	KC57 KCF57 KCA57 KCAF57	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
11	103	123.85	5.80		
13	90	108.29	6.70		
13	85	102.88*	7.00		
15	75	90.26*	8.00		
10.0	110	131.87*	3.70	KC47 KCF47 KCA47 KCAF47	MS(H)6314 MS(H)6314
11.0	101	121.48*	4.00		
13	88	106.38	2.3	KC37 KCF37 KCA37 KCAF37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
14	81	97.081	2.5		
16	70	83.69	2.9		
19	60	72.54	3.3		
20	56	67.80	3.6		
24	49	58.60	4.1		
28	41	49.79	4.8		
31	37	44.46	5.4		
36	32	37.97	6.4		
39	30	35.57	6.8		
46	25	29.96	8.0		
48	24	28.83	8.4		
55	21	24.99	9.6		
59	19	23.36	10		
68	17	20.19	11		
80	14	17.15	13		
90	13	15.31	14		
105	11	13.08	15		
114	10	12.14	16		
0.18kW					
0.09	15800	14975	0.80	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324
0.11	13100	12440	1.00		
0.12	11500	10915	1.15		
0.13	10300	9819	1.25		
0.16	8870	8443	1.45		
0.18	7880	7482	1.65		
0.20	6920	6565	1.9		
0.23	5890	5804	2.2		
0.26	5210	5027	2.5		
0.30	4490	4423	2.9		
0.34	3910	3889	3.3		
0.40	3250	3311	4.0		
0.16	8780	8328	0.90	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324
0.18	7660	7270	1.05		
0.21	6410	6184	1.25		
0.23	5690	5662	1.40		
0.26	5160	5138	1.55		
0.30	4580	4359	1.75		
0.35	4010	3810	2.0		
0.39	3410	3358	2.4		
0.44	3090	2977	2.6		
0.51	2690	2599	3.0		
0.58	2320	2286	3.5		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.18kW					
0.28	5060	4669	0.85	KC97RC57	MS(H)6324
0.32	4540	4082	0.95	KCF97RC57	MS(H)6324
0.37	3940	3583	1.10	KCA97RC57	MS(H)6324
0.42	3450	3108	1.25	KCAF97RC57	MS(H)6324
0.48	2990	2757	1.45		
0.55	2720	2419	1.60		
0.62	2360	2123	1.80		
0.71	2090	1856	2.1		
0.81	1760	1625	2.4	KC97RC57	MS(H)6324
0.92	1530	1430	2.8	KCF97RC57	MS(H)6324
1.1	1420	1261	3.0	KCA97RC57	MS(H)6324
1.2	1240	1102	3.5	KCAF97RC57	MS(H)6324
1.4	1090	957	4.0		
1.5	970	855	4.4		
1.8	775	743	5.6		
2.0	690	652	6.2		
0.42	3440	3107	0.80	KC87RC57	MS(H)6324
0.48	2920	2728	0.90	KCF87RC57	MS(H)6324
0.56	2570	2371	1.05	KCA87RC57	MS(H)6324
				KCAF87RC57	MS(H)6324
0.63	2350	2088	1.15		
0.71	2090	1854	1.30		
0.80	1870	1657	1.45	KC87RC57	MS(H)6324
0.93	1590	1415	1.70	KCF87RC57	MS(H)6324
1.1	1380	1229	1.95	KCA87RC57	MS(H)6324
1.2	1200	1087	2.3	KCAF87RC57	MS(H)6324
1.4	1030	951	2.6		
1.6	890	837	3.0		
1.8	775	726	3.5		
0.87	1720	1514	0.90		
0.95	1570	1388	1.00		
1.1	1380	1218	1.10		
1.2	1200	1053	1.30		
1.4	1050	924	1.45	KC77RC37	MS(H)6324
1.6	930	815	1.65	KCF77RC37	MS(H)6324
1.9	760	709	2.0	KCA77RC37	MS(H)6324
2.1	670	622	2.3	KCAF77RC37	MS(H)6324
2.4	600	552	2.6		
2.7	530	485	2.9		
3.1	465	428	3.3		
3.6	410	367	3.8		
1.7	930	793	0.90		
1.9	765	697	1.05		
2.1	670	613	1.20		
2.4	590	542	1.40	KC67RC37	MS(H)6324
2.8	540	471	1.50	KCF67RC37	MS(H)6324
3.1	455	420	1.80	KCA67RC37	MS(H)6324
3.6	410	361	2.0	KCAF67RC37	MS(H)6324
4.1	360	323	2.3		
4.7	305	279	2.7		
2.4	590	554	1.00		
2.8	535	473	1.10		
3.1	460	421	1.30		
3.6	410	362	1.45	KC57RC37	MS(H)6324
4.1	360	319	1.65	KCF57RC37	MS(H)6324
4.7	305	280	1.95	KCA57RC37	MS(H)6324
5.4	270	246	2.2	KCAF57RC37	MS(H)6324
6.1	235	215	2.5		
6.9	210	192	2.9		
7.9	182	166	3.3		
3.5	410	375	1.00		
4.0	370	327	1.10		
4.6	325	289	1.20		
5.2	280	256	1.45	KC47RC37	MS(H)6324
5.9	250	225	1.60	KCF47RC37	MS(H)6324
6.7	215	198	1.85	KCA47RC37	MS(H)6324
7.7	188	171	2.1	KCAF47RC37	MS(H)6324
8.6	168	153	2.4		
10	147	131	2.7		
6.4	235	205	0.85	KC37RC17	MS(H)6324
7.3	205	181	1.00	KCF37RC17	MS(H)6324
8.2	180	160	1.10	KCA37RC17	MS(H)6324
9.7	151	136	1.35	KCAF37RC17	MS(H)6324
10	145	127	1.40		
6.0	285	144.79*	2.9	KC67	MS(H)6324
7.0	245	123.54	3.4	KCF67	MS(H)6324
8.1	215	108.03	3.8	KCA67	MS(H)6324
8.5	205	102.62	4.0	KCAF67	MS(H)6324
9.1	189	144.79*	4.4	KC67	MS(H)6324
11	161	123.54	5.1	KCF67	MS(H)6324
12	141	108.03	5.8	KCA67	MS(H)6324
				KCAF67	MS(H)6324

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.18kW					
6.0	285	145.14*	2.1		
7.0	245	123.85	2.5	KC57	MS(H)7116
8.0	215	108.29	2.8	KCF57	MS(H)7116
8.5	205	102.88*	3.0	KCA57	MS(H)7116
9.6	178	90.26*	3.4	KCAF57	MS(H)7116
9.1	189	145.14*	3.2		
11	161	123.85	3.7	KC57	MS(H)6324
12	141	108.29	4.3	KCF57	MS(H)6324
13	134	102.88*	4.5	KCA57	MS(H)6324
15	118	90.26*	5.1	KCAF57	MS(H)6324
17	100	70.56*	6.0		
6.6	260	131.87*	1.55		
7.2	240	121.48*	1.65	KC47	MS(H)7116
8.3	205	104.37	1.95	KCF47	MS(H)7116
9.6	180	90.86	2.2	KCA47	MS(H)7116
10	168	85.12*	2.4	KCAF47	MS(H)7116
10	172	131.87*	2.30		
11	158	121.48*	2.50	KC47	MS(H)6324
13	136	104.37	2.90	KCF47	MS(H)6324
15	118	90.86	3.40	KCA47	MS(H)6324
16	111	85.12*	3.60	KCAF47	MS(H)6324
8.2	210	106.38	0.95	KC37	MS(H)7116
8.9	193	97.81	1.05	KCF37	MS(H)7116
10	165	83.69	1.20	KCA37	MS(H)7116
12	143	72.54	1.40	KCAF37	MS(H)7116
12	139	106.38	1.45		
14	127	97.81	1.55		
16	109	83.69	1.85		
18	95	72.54	2.1		
19	88	67.8	2.3		
23	76	58.6	2.6		
27	65	49.79	3.1		
30	58	44.46	3.5		
35	49	37.97	4.1		
37	46	35.57	4.3	KC37	MS(H)6324
44	39	29.96	5.1	KCF37	MS(H)6324
46	38	28.83	5.3	KCA37	MS(H)6324
53	33	24.99	6.2	KCAF37	MS(H)6324
57	30	23.36	6.4		
65	26	20.19	7.0		
77	22	17.15	8.1		
86	20	15.31	8.8		
101	17	13.08	9.7		
109	16	12.14	10		
126	14	10.49	12		
148	12	8.91	14		
166	10	7.96	15		
0.25kW					
0.13	15200	9819	0.85		
0.15	13000	8443	1.00		
0.17	11600	7482	1.10		
0.20	10200	6569	1.30	KC127RC77	MS(H)7114
0.22	8750	5804	1.50	KCF127RC77	MS(H)7114
0.26	7690	5027	1.70	KCA127RC77	MS(H)7114
0.29	6670	4423	1.95	KCAF127RC77	MS(H)7114
0.33	5830	3889	2.2		
0.39	4880	3311	2.7		
0.21	9460	6184	0.85		
0.23	8480	5662	0.95		
0.25	7700	5138	1.05		
0.30	6730	4359	1.20	KC107RC77	MS(H)7114
0.34	5880	3810	1.35	KCF107RC77	MS(H)7114
0.39	5060	3358	1.60	KCA107RC77	MS(H)7114
0.44	4550	2977	1.75	KCAF107RC77	MS(H)7114
0.50	3980	2599	2.00		
0.57	3450	2286	2.30		
0.67	2920	1939	2.70		
0.76	2680	1713	3.0	KC107RC77	MS(H)7114
0.84	2430	1554	3.3	KCF107RC77	MS(H)7114
0.97	2090	1336	3.8	KCA107RC77	MS(H)7114
				KCAF107RC77	MS(H)7114
0.42	4990	3108	0.85	KC97RC57	MS(H)7114
0.47	4360	2757	1.00	KCF97RC57	MS(H)7114
				KCA97RC57	MS(H)7114
				KCAF97RC57	MS(H)7114
0.54	3930	2419	1.10		
0.61	3420	2123	1.25		
0.70	3020	1856	1.40		
0.80	2580	1625	1.65	KC97RC57	MS(H)7114
0.91	2240	1430	1.9	KCF97RC57	MS(H)7114
1.0	2050	1261	2.1	KCA97RC57	MS(H)7114
1.2	1790	1102	2.4	KCAF97RC57	MS(H)7114
1.4	1570	957	2.7		
1.5	1400	855	3.1		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.25kW					
0.62	3390	2088	0.80	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
0.70	3010	1854	0.90		
0.78	2700	1657	1.00		
0.92	2300	1415	1.15		
1.1	2000	1229	1.35		
1.2	1740	1078	1.55		
1.4	1510	951	1.80		
1.6	1310	837	2.10		
1.8	1140	726	2.40		
2.0	1010	638	2.70		
1.2	1730	1053	0.90	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
1.4	1520	924	1.00		
1.6	1340	815	1.15		
1.8	1120	709	1.40		
2.1	980	622	1.60		
2.4	880	552	1.75		
2.7	770	485	2.0		
3.0	680	428	2.3		
3.5	595	367	2.6		
4.0	525	328	2.9		
4.5	470	290	3.3		
5.2	400	252	3.9		
5.9	355	221	4.4		
6.7	310	195	5.0		
7.5	275	175	5.7		
2.1	980	613	0.85	KC67RC37 KCF67RC37 KCA67RC37 KCAF67RC37	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
2.4	860	542	0.95		
2.8	775	471	1.05		
3.1	665	420	1.25		
3.6	590	361	1.40		
4	525	323	1.55		
4.7	445	279	1.85		
5.3	390	246	2.1		
6	345	217	2.4		
3.1	670	421	0.90	KC57RC37 KCF57RC37 KCA57RC37 KCAF57RC37	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
3.6	590	362	1.00		
4.1	520	319	1.15		
4.7	445	280	1.35		
5.3	390	246	1.55		
6.0	345	215	1.75		
6.8	305	192	1.95		
7.8	265	166	2.3		
9.0	230	145	2.6		
10	210	129	2.9		
12	178	111	3.4		
13	156	97	4.8		
4.6	520	192.18	2.8	KC77 KCF77 KCA77 KCAF77	MS(H)7126 MS(H)7126 MS(H)7126 MS(H)7126
4.9	485	179.37	3.0		
5.7	420	154.02	3.7		
6.5	365	135.28	4.2		
6.1	395	144.79*	2.1	KC67 KCF67 KCA67 KCAF67	MS(H)7126 MS(H)7126 MS(H)7126 MS(H)7126
7.1	335	123.54	2.5		
8.2	295	108.03	2.8		
8.6	280	102.62	3.0		
9.0	265	144.79*	3.1	KC67 KCF67 KCA67 KCAF67	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
11	225	123.54	3.6		
12	198	108.03	4.1		
13	189	102.62	4.6		
6.1	395	145.14*	1.5	KC57 KCF57 KCA57 KCAF57	MS(H)7126 MS(H)7126 MS(H)7126 MS(H)7126
7.1	335	123.85	1.8		
8.1	295	108.29	2.0		
8.6	280	102.88*	2.2		
9.8	245	90.26*	2.5		
11	210	76.56	2.9		
9.0	265	145.14*	2.3	KC57 KCF57 KCA57 KCAF57	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
11	225	123.85	2.6		
12	199	108.29	3.0		
13	189	102.88*	3.2		
14	166	90.26*	3.6		
17	141	76.56	4.3		
6.7	360	131.87*	1.10	KC47 KCF47 KCA47 KCAF47	MS(H)7126 MS(H)7126 MS(H)7126 MS(H)7126
7.2	330	121.48*	1.20		
8.4	285	104.37	1.40		
9.7	245	90.86	1.60		
10	230	85.12*	1.75		
9.9	240	131.87*	1.65	KC47 KCF47 KCA47 KCAF47	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
11	225	121.48*	1.80		
12	192	104.37	2.1		
14	167	90.86	2.4		
15	156	85.12*	1.6		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.25kW					
11	225	83.69	0.90	KC37 KCF37 KCA37 KCAF37	MS(H)7126 MS(H)7126 MS(H)7126 MS(H)7126
12	197	72.54	1.00		
13	184	67.80	1.10		
15	159	58.60	1.25		
18	135	49.79	1.50		
12	195	106.38	1.00	KC37 KCF37 KCA37 KCAF37	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
13	180	97.81	1.10		
16	154	83.69	1.30		
18	133	72.54	1.50		
19	125	67.8	1.60		
22	108	58.6	1.85		
26	91	49.79	2.2		
29	82	44.46	2.5		
34	70	37.97	2.9		
37	65	35.57	3.1		
43	55	29.96	3.6		
45	53	28.83	3.8		
52	46	24.99	4.4		
56	43	23.36	4.6		
64	37	20.19	5.0		
76	32	17.15	5.7		
85	28	15.31	6.2		
99	24	13.08	6.9		
107	22	12.14	7.2		
124	19	10.49	8.3		
146	16	8.91	9.8		
163	15	7.96	11		
191	13	6.80	12		
204	12	6.37	12		
0.37kW					
0.18	16600	7482	0.80	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
0.21	14500	6565	0.90		
0.24	12600	5804	1.05		
0.27	11000	5027	1.20		
0.31	9610	4423	1.35		
0.35	8420	3889	1.55		
0.42	7080	3311	1.85		
0.72	4280	1926	3.0	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
0.79	3900	1757	3.3		
0.90	3390	1541	3.8		
0.36	8420	3810	0.95	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
0.41	7300	3358	1.10		
0.46	6540	2977	1.20		
0.53	5710	2599	1.40		
0.60	4970	2286	1.60		
0.71	4210	1939	1.90		
0.81	3830	1713	2.1	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
0.89	3480	1554	2.3		
1.0	2990	1336	2.7		
1.2	2610	1166	3.1		
0.65	4860	2123	0.90	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
0.74	4270	1856	1		
0.85	3670	1625	1.15		
0.96	3200	1430	1.35		
1.1	2900	1261	1.50		
1.2	2540	1102	1.70		
1.4	2220	957	1.95		
1.6	1990	855	2.2		
1.9	1640	743	2.6		
2.1	1450	652	3		
2.4	1310	573	3.3		
0.97	3250	1415	0.85	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
1.1	2820	1229	0.95		
1.3	2470	1079	1.10		
1.4	2150	951	1.25		
1.7	1880	837	1.45		
1.9	1630	726	1.65		
2.2	1440	638	1.85		
2.5	1260	562	2.2		
2.9	1060	474	2.6		
3.2	950	426	2.8		
3.7	830	373	3.2		
1.7	1890	815	0.80	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
1.9	1590	709	0.95		
2.2	1400	622	1.10		
2.5	1250	552	1.25		
2.9	1100	485	1.00		
3.2	970	428	1.60		
3.8	840	367	1.85		
4.2	750	328	2.1		
4.8	665	290	2.3		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.37kW					
5.5	570	252	2.7	KC77RC37	MS(H)7124
6.2	500	221	3.2	KCF77RC37	MS(H)7124
7.1	445	195	3.5	KCA77RC37	MS(H)7124
7.9	390	175	4.0	KCAF77RC37	MS(H)7124
9.0	345	154	4.5		
3.3	950	420	0.85	KC67RC37	MS(H)7124
3.8	840	361	1.0	KCF67RC37	MS(H)7124
4.3	745	323	1.1	KCA67RC37	MS(H)7124
5.0	630	279	1.3	KCAF67RC37	MS(H)7124
5.6	555	246	1.5		
6.4	495	217	1.65		
7.2	435	191	1.9		
8.3	375	166	2.2		
9.6	330	144	2.5		
11	280	122	2.9		
4.9	635	280	0.95	KC57RC37	MS(H)7124
5.6	555	246	1.10	KCF57RC37	MS(H)7124
6.4	490	215	1.20	KCA57RC37	MS(H)7124
7.2	435	192	1.40	KCAF57RC37	MS(H)7124
8.3	380	166	1.60		
9.6	330	145	1.80		
11	300	129	2.0		
12	255	111	2.4		
14	225	97	2.7		
4.60	775	197.37	3.5	KC87	MS(H)8016
5.20	685	174.19	4.0	KCF87	MS(H)8016
				KCA87	MS(H)8016
				KCAF87	MS(H)8016
5.8	605	154.02	2.6	KC77	MS(H)8016
6.7	530	135.28	2.9	KCF77	MS(H)8016
7.0	505	128.52	3.1	KCA77	MS(H)8016
7.9	445	113.56	3.5	KCAF77	MS(H)8016
7.2	490	192.18	3.0	KC77	MS(H)7124
7.7	460	179.37	3.2	KCF77	MS(H)7124
9.0	395	154.02	3.9	KCA77	MS(H)7124
				KCAF77	MS(H)7124
7.3	485	123.54	1.70	KC67	MS(H)8016
8.3	425	108.03	1.95	KCF67	MS(H)8016
8.8	405	102.62	2.0	KCA67	MS(H)8016
10	355	90.04	2.3	KCAF67	MS(H)8016
9.5	370	144.79*	2.2	KC67	MS(H)7124
11	325	123.54	2.6	KCF67	MS(H)7124
13	275	108.03	3.0	KCA67	MS(H)7124
15	230	90.04	3.6	KCAF67	MS(H)7124
18	196	76.37	4.2		
7.3	485	123.85	1.25	KC57	MS(H)8016
8.3	425	108.29	1.40	KCF57	MS(H)8016
8.8	405	102.88*	1.50	KCA57	MS(H)8016
10	355	90.26*	1.70	KCAF57	MS(H)8016
12	300	76.56*	2.0		
13	270	69.12	2.2		
9.5	370	145.14*	1.60	KC57	MS(H)7124
11	315	123.85	1.90	KCF57	MS(H)7124
13	275	108.29	2.2	KCA57	MS(H)7124
15	230	90.26*	2.6	KCAF57	MS(H)7124
18	196	76.56*	3.1		
20	177	69.12	3.4		
8.6	410	104.37	1.00	KC47	MS(H)8016
9.9	355	90.86	1.10	KCF47	MS(H)8016
11	335	85.12*	1.20	KCA47	MS(H)8016
12	295	75.20*	1.35	KCAF47	MS(H)8016
10	340	131.87*	1.2	KC47	MS(H)7124
11	310	121.84*	1.3	KCF47	MS(H)7124
13	265	104.37	1.5	KCA47	MS(H)7124
				KCAF47	MS(H)7124
15	235	90.86	1.70	KC47	MS(H)7124
16	20	85.12*	1.85	KCF47	MS(H)7124
18	193	75.20*	2.1	KCA47	MS(H)7124
20	179	69.84	2.2	KCAF47	MS(H)7124
22	162	63.30*	2.5		
14	250	97.81	0.8	KC37	MS(H)7124
16	215	83.69	1.0	KCF37	MS(H)7124
19	186	72.54	1.1	KCA37	MS(H)7124
20	174	67.80	1.2	KCAF37	MS(H)7124
24	150	58.60	1.4		
28	128	49.79	1.6		
31	114	44.46	1.8		
36	97	37.97	2.1		
39	91	35.57	2.2		
46	77	29.96	2.6		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.37kW					
48	74	28.83	2.7	KC37 KCF37 KCA37 KCAF37	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
55	64	24.99	3.1		
59	60	23.36	3.3		
68	52	20.19	3.6		
80	44	17.15	4.1		
90	39	15.31	4.5		
105	34	13.08	4.9		
114	31	12.14	5.1		
132	27	10.49	6.0		
155	23	8.91	7.0		
173	20	7.96	7.6		
203	17	6.80	8.6		
217	16	6.37	8.9		
257	14	5.36	10		
0.55kW					
0.08	55000	16978	0.90	KC187RC97 KCH187RC97	MS(H)8014 MS(H)8014
0.10	46200	14272	1.10		
0.10	42000	13116	1.20		
0.12	36700	11647	1.35		
0.19	23800	7343	2.1		
0.12	37500	11573	0.85	KC187RC97 KCH187RC97	MS(H)8014 MS(H)8014
0.13	33300	10264	0.95		
0.16	27900	8624	1.15		
0.21	21200	6562	1.50		
0.25	16900	5355	1.90		
0.33	13100	4079	2.5		
0.20	22300	6881	0.80	KC157RC77 KCF157RC77 KCA157RC77 KCAF157RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.23	19200	5931	1.95		
0.34	12900	3979	1.40		
0.45	9880	3051	1.80		
0.31	14900	4423	0.85	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.35	13100	3889	1.00		
0.41	11100	3311	1.20		
0.45	10000	3009	1.30		
0.52	8590	2607	1.50		
0.71	6620	1926	1.95	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.77	6040	1757	2.2		
0.88	5270	1541	2.5		
1	4610	1642	2.8		
1.2	4020	1177	3.2		
1.3	3520	1025	3.7		
0.46	10100	2977	0.80	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.52	8830	2599	0.90		
0.59	7720	2286	1.05		
0.70	6540	1939	1.20		
0.79	5920	1712	1.35	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.87	5370	1554	1.50		
1.0	4610	1336	1.75		
1.2	4030	1166	2.0		
1.3	3460	1030	2.3		
1.5	3010	904	2.7		
1.7	2730	793	2.9		
1.9	2380	696	3.4		
2.2	2050	615	3.9		
0.95	4940	1430	0.85	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
1.1	4440	1261	0.95		
1.2	3870	1102	1.10		
1.4	3400	957	1.20		
1.6	3040	855	1.40		
1.8	2550	743	1.70		
2.1	2250	652	1.90		
2.4	2020	573	2.1		
2.7	1720	504	2.5		
3.1	1480	437	2.9		
3.6	1320	382	3.3		
4.5	1070	305	4.0		
1.4	3300	951	0.80	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
1.6	2890	837	0.95		
1.9	2510	726	1.10		
2.1	2220	638	1.20		
2.4	1940	562	1.40		
2.9	1640	474	1.60		
3.2	1470	426	1.85		
3.6	1290	373	2.1		
4.1	1130	330	2.4		
4.6	1010	294	2.7		
5.4	870	250	3.1		
5.8	820	236	3.3		
6.8	695	201	3.9		
2.8	1690	485	0.90	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)8014 MS(H)8014 MS(H)8014
3.2	1490	428	1.05		
3.7	1290	367	1.20		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.55kW					
4.2	1150	328	1.35	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)8014
4.7	1020	290	1.50		
5.4	880	252	1.75		
6.2	770	221	2.0		
7.0	680	195	2.3		
7.8	605	175	2.6		
8.8	535	154	2.9		
4.9	970	279	0.85	KC67RC37 KCF67RC37 KCA67RC37 KCAF67RC37	MS(H)8014
5.5	850	246	0.95		
6.2	760	217	1.10		
7.1	670	191	1.25		
8.2	575	166	1.40		
9.4	505	144	1.60		
11	430	122	1.90		
7.1	670	192	0.90	KC57RC37 KCF57RC37 KCA57RC37 KCAF57RC37	MS(H)8014
8.2	580	166	1.05		
9.4	510	145	1.20		
11	455	129	1.30		
12	390	111	1.55		
14	340	97.0	1.75		
4.6	1150	197.37	2.3	KC87 KCF87 KCA87 KCAF87	MS(H)8026
5.2	1020	174.19	2.7		
5.5	960	164.34*	2.8		
6.1	860	147.32*	3.1		
5.8	900	154.02	1.70	KC77 KCF77 KCA77 KCAF77	MS(H)8026
6.7	790	135.28	1.95		
7.0	750	128.52	2.1		
7.9	665	113.56	2.3		
8.8	595	154.02	2.6	KC77 KCF77 KCA77 KCAF77	MS(H)8014
10	520	135.28	3.0		
11	495	128.52	3.1		
12	440	113.56	3.5		
14	375	97.05	4.1		
7.3	720	123.54	1.15	KC67 KCF67 KCA67 KCAF67	MS(H)8026
8.3	630	108.03	1.30		
8.8	600	102.62	1.35		
10	525	90.04	1.55		
12	445	76.37	1.85		
11	475	123.54	1.70	KC67 KCF67 KCA67 KCAF67	MS(H)8014
13	415	108.03	0.95		
15	350	90.04	2.4		
18	295	76.37	2.8		
8.3	630	108.29	0.95	KC57 KCF57 KCA57 KCAF57	MS(H)8026
8.8	600	102.88*	1.00		
10	525	90.26*	1.15		
12	445	76.56*	1.35		
13	405	69.12	1.50		
15	355	60.81*	1.70		
16	335	57.42*	1.80		
11	480	123.85	1.25	KC57 KCF57 KCA57 KCAF57	MS(H)8014
13	420	108.29	1.45		
13	395	102.88*	1.50		
15	350	90.26*	1.70		
18	295	76.56*	2.0		
20	265	69.12	2.3		
22	235	60.81*	2.6		
24	220	57.42*	2.7		
13	405	104.37	1.00	KC47 KCF47 KCA47 KCAF47	MS(H)8014
15	350	90.86	1.15		
16	330	85.12*	1.20		
18	290	75.20*	1.40		
19	270	69.84	1.50		
21	245	63.30*	1.65	KC47 KCF47 KCA47 KCAF47	MS(H)8014
24	220	56.83	1.80		
28	189	48.95*	2.1		
30	178	46.03*	2.3		
23	225	58.6	0.90	KC37 KCF37 KCA37 KCAF37	MS(H)8014
27	192	49.79	1.05		
31	172	44.46	1.15		
36	147	37.97	1.35		
38	137	35.57	1.45		
45	116	29.96	1.75		
47	111	28.83	1.80		
54	970	24.99	2.1		
58	90.0	23.36	2.2		
67	78.0	20.19	2.4		
79	66.0	17.15	2.7		
89	59.0	15.31	3.0		
104	51.0	13.08	3.3		
112	47.0	12.14	3.4		
130	41.0	10.49	4.0		
153	34.0	8.19	4.7		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.55kW					
171	31.0	7.96	5.1	KC37	MS(H)8014
200	26.0	6.80	5.7	KCF37	MS(H)8014
214	25.0	6.37	5.9	KCA37	MS(H)8014
254	21.0	5.36	6.8	KCAF37	MS(H)8014
0.75kW					
0.11	58000	13116	0.85	KC187RC97 KCH187RC97	MS(H)8024 MS(H)8024
0.12	50900	11647	1.00		
0.19	32700	7343	1.55		
0.20	29900	6747	1.65		
0.23	26200	5991	1.90		
0.16	38500	8628	0.85	KC167RC97 KCH167RC97	MS(H)8024 MS(H)8024
0.21	29300	6562	1.10		
0.26	23400	5355	1.35		
0.34	18100	4079	1.75		
0.41	15100	3376	2.1		
0.35	1770	3979	1.0	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024
0.45	1360	3051	1.3		
0.83	7490	1659	2.4	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024
1.0	6040	1365	3.0		
0.42	15100	3311	0.85	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.46	13700	3009	0.95		
0.53	11800	2607	1.10		
0.72	9010	1926	1.45	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.79	8220	1757	1.60		
0.90	7180	1541	1.80		
1.0	6280	1342	2.10		
1.2	5480	1177	2.40		
1.4	4790	1025	2.70		
1.5	4190	899	3.10		
0.81	8040	1713	1.00	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.89	7300	1554	1.10		
1.00	6270	1336	1.30		
1.20	5470	1166	1.45		
1.30	4740	1030	1.70		
1.50	4130	904	1.95		
1.70	3710	793	2.20		
2.00	3240	696	2.50		
2.20	2810	615	2.80		
1.2	5240	1102	0.80	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024
1.4	4600	957	0.95		
1.6	4110	855	1.05		
1.9	3470	743	1.25		
2.1	3050	652	1.40		
2.4	2740	573	1.55		
2.7	2350	504	1.85		
3.2	2020	437	2.1		
3.6	1970	382	2.4		
4.5	1450	305	3.0		
5.4	1220	258	3.5		
6.0	1100	232	3.9		
6.9	940	199	4.6		
1.9	3410	726	0.80	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024
2.2	3010	638	0.90		
2.5	2640	562	1.00		
2.9	2220	474	1.20		
3.2	2000	426	1.35		
3.7	1760	373	1.55		
4.2	1540	330	1.75		
4.7	1370	294	1.95		
5.5	1190	250	2.3		
5.8	1120	236	2.4		
6.9	950	201	2.9		
3.8	1740	367	0.9	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
4.2	1550	328	1.00		
4.8	1380	290	1.15		
5.5	1190	252	1.30		
6.2	1040	221	1.50		
5.2	1390	174.19	1.95	KC87 KCF87 KCA87 KCAF87	MS(H)90S-6 MS(H)90S-6 MS(H)90S-6 MS(H)90S-6
5.5	1310	164.34*	2.1		
6.1	1170	147.32*	2.3		
7.1	1010	126.91*	2.7		
7.0	1020	197.37	2.6	KC87 KCF87 KCA87 KCAF87	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024
7.9	900	174.19	3.0		
8.4	850	164.34*	3.2		
9.4	765	147.32*	3.5		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
0.75kW					
6.7	1080	135.28	1.45	KC77	MS(H)90S-6
7.0	1020	128.52	1.50	KCF77	MS(H)90S-6
7.9	900	113.56	1.70	KCA77	MS(H)90S-6
9.3	770	97.05	2.0	KCAF77	MS(H)90S-6
10	710	88.97	2.2		
9	800	154.02	1.95	KC77	MS(H)8024
10	700	135.28	2.2	KCF77	MS(H)8024
11	665	128.52	2.3	KCA77	MS(H)8024
12	590	113.56	2.6	KCAF77	MS(H)8024
14	505	97.05	3.1		
11	640	123.54	1.30	KC67	MS(H)8024
13	560	108.03	1.45	KCF67	MS(H)8024
15	465	90.04	1.75	KCA67	MS(H)8024
				KCAF67	MS(H)8024
18	359	76.37	2.1	KC67	MS(H)8024
20	360	68.95	2.3	KCF67	MS(H)8024
23	315	60.66	2.6	KCA67	MS(H)8024
24	295	57.28	2.8	KCAF67	MS(H)8024
11	645	123.85	0.95	KC57 KCF57 KCA57 KCAF57	MS(H)8024
13	560	108.29	1.05		MS(H)8024
13	535	102.88*	1.10		MS(H)8024
15	470	90.26*	1.30		MS(H)8024
18	395	76.56*	1.50		MS(H)8024
20	360	69.12	1.65		MS(H)8024
23	315	60.81*	1.90		MS(H)8024
24	300	57.42*	2.0		MS(H)8024
28	255	48.89	2.4		MS(H)8024
31	230	44.43	2.6		MS(H)8024
18	390	75.20*	1.00	KC47	MS(H)8024
20	365	69.84	1.10	KCF47	MS(H)8024
22	330	63.30*	1.20	KCA47	MS(H)8024
				KCAF47	MS(H)8024
24	295	56.83	1.35	KC47	MS(H)8024
28	255	48.95	1.55	KCF47	MS(H)8024
30	240	46.03*	1.65	KCA47	MS(H)8024
35	205	39.61	1.95	KCAF47	MS(H)8024
39	184	35.39	2.2		
44	162	31.3	2.5		
31	230	44.46	0.85	KC37 KCF37 KCA37 KCAF37	MS(H)8024
36	197	37.97	1.00		MS(H)8024
39	185	35.57	1.10		MS(H)8024
46	156	29.96	1.30		MS(H)8024
48	150	28.83	1.35		MS(H)8024
55	130	24.99	1.55		MS(H)8024
59	121	23.36	1.60		MS(H)8024
68	105	20.19	1.75		MS(H)8024
80	89	17.15	2.0		MS(H)8024
90	80	15.31	2.2		MS(H)8024
105	68	13.08	2.4		
114	63	12.14	2.5		
132	54	10.49	2.9		
155	46	8.91	3.5		
173	41	7.96	3.8		
203	35	6.80	4.3		
217	33	6.37	4.4		
257	28	5.36	5.0		
1.1kW					
0.15	59700	9363	0.85	KC187RC97 KCH187RC97	MS(H)90S-4
0.17	51100	8126	1.00		MS(H)90S-4
0.19	48400	7343	1.05		
0.21	44200	6747	1.15		
0.23	39000	5991	1.30		
0.26	34500	5358	1.45		
0.29	30700	4871	1.65		
0.32	27900	4370	1.80		
0.26	34800	5355	0.90	KC167RC97 KCH167RC97	MS(H)90S-4
0.29	30800	4788	1.05		MS(H)90S-4
0.34	26700	4079	1.20		
0.41	22300	3376	1.45		
0.51	17900	2755	1.80		
0.64	14600	2182	2.2	KC167RC97 KCH167RC97	MS(H)90S-4
0.82	11300	1704	2.8		MS(H)90S-4
0.99	9390	1408	2.4		
1.1	8600	1296	3.7		
0.40	22700	3516	0.80	KC157RC97	MS(H)90S-4
0.46	20100	3051	0.90	KCF157RC97	MS(H)90S-4
0.54	16700	2610	1.10	KCA157RC97	MS(H)90S-4
0.60	14800	2322	1.20	KCAF157RC97	MS(H)90S-4
0.84	11100	1659	1.65	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)90S-4
1.0	8980	1365	2.0		MS(H)90S-4
1.1	8010	1229	2.3		MS(H)90S-4
1.3	7130	1093	2.5		MS(H)90S-4
1.5	6150	942	2.9		MS(H)90S-4
1.6	5510	854	3.3		MS(H)90S-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
1.1kW					
0.73	13200	1926	1.00	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)90S-4
0.80	12000	1757	1.10		MS(H)90S-4
0.91	10500	1541	1.25		MS(H)90S-4
1.0	9170	1342	1.40		MS(H)90S-4
1.2	8020	1177	1.60		MS(H)90S-4
1.4	7010	1025	1.85		MS(H)90S-4
1.6	6130	899	2.1		MS(H)90S-4
1.8	5280	790	2.5		MS(H)90S-4
2.0	4780	704	2.7		MS(H)90S-4
2.3	4110	610	3.2		MS(H)90S-4
2.6	3710	549	3.5		
2.9	3190	477	4.1		
1.2	7990	1166	1.00	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)90S-4
1.4	6960	1030	1.15		MS(H)90S-4
1.6	6080	904	1.30		MS(H)90S-4
1.8	5420	793	1.50		MS(H)90S-4
2.0	4740	696	1.70		MS(H)90S-4
2.3	4140	615	1.95		MS(H)90S-4
2.7	3510	522	2.3		MS(H)90S-4
3.0	3090	461	2.6		MS(H)90S-4
3.4	2720	408	2.9		MS(H)90S-4
3.9	2470	364	3.2		MS(H)90S-4
4.4	2160	318	3.7		
1.9	5070	743	0.85	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)90S-4
2.1	4460	652	0.95		MS(H)90S-4
2.4	3990	573	1.10		MS(H)90S-4
2.8	3430	504	1.25		MS(H)90S-4
3.2	2970	437	1.45		MS(H)90S-4
3.7	2620	382	1.65		MS(H)90S-4
4.1	2320	342	1.85		
3.0	3250	474	0.85	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)90S-4
3.3	2920	426	0.90		MS(H)90S-4
3.8	2570	373	1.05		MS(H)90S-4
4.2	2250	330	1.20		MS(H)90S-4
4.8	2010	294	1.35		MS(H)90S-4
5.6	1730	250	1.55		MS(H)90S-4
5.9	1630	236	1.65		
7.0	1390	201	1.95		
5.2	2010	176.05*	2.1	KC97	MS(H)90L-6
6.0	1750	153.21*	2.5	KCF97	MS(H)90L-6
6.6	1600	140.28	2.7	KCA97	MS(H)90L-6
7.4	1420	123.93*	3.0	KCAF97	MS(H)90L-6
8.0	1320	176.05*	3.3	KC97	MS(H)90S-4
9.1	1150	153.21*	3.7	KCF97	MS(H)90S-4
10	1050	140.28	4.1	KCA97	MS(H)90S-4
				KCAF97	MS(H)90S-4
5.3	1990	174.19	1.35	KC87	MS(H)90L-6
5.6	1880	164.34*	1.45	KCF87	MS(H)90L-6
6.2	1680	147.32*	1.60	KCA87	MS(H)90L-6
7.2	1450	126.91*	1.85	KCAF87	MS(H)90L-6
8.0	1310	174.19	2.1	KC87	MS(H)90S-4
8.5	1230	164.34*	2.2	KCF87	MS(H)90S-4
9.5	1110	147.32*	2.4	KCA87	MS(H)90S-4
11	950	126.91*	2.8	KCAF87	MS(H)90S-4
12	870	115.82	3.1		
6.8	1540	135.28	1.00	KC77	MS(H)90L-6
7.2	1470	128.52	1.05	KCF77	MS(H)90L-6
8.1	1300	113.56	1.20	KCA77	MS(H)90L-6
9.5	1110	97.05	1.40	KCAF77	MS(H)90L-6
10	1020	135.28	1.55	KC77	MS(H)90S-4
11	960	128.52	1.60	KCF77	MS(H)90S-4
12	850	113.56	1.80	KCA77	MS(H)90S-4
				KCAF77	MS(H)90S-4
14	730	97.05	2.1	KC77	MS(H)90S-4
16	670	88.97	2.3	KCF77	MS(H)90S-4
18	585	78.07	2.7	KCA77	MS(H)90S-4
19	555	73.99	2.8	KCAF77	MS(H)90S-4
13	810	108.03	1.00	KC67	MS(H)90S-4
14	770	102.62	1.05	KCF67	MS(H)90S-4
16	675	90.04	1.20	KCA67	MS(H)90S-4
18	575	76.37	1.45	KCAF67	MS(H)90S-4
20	515	68.93	1.60		
23	455	60.66	1.80	KC67	MS(H)90S-4
24	430	57.28	1.90	KCF67	MS(H)90S-4
29	365	48.77	2.2	KCA67	MS(H)90S-4
32	335	44.32	2.5	KCAF67	MS(H)90S-4
36	290	38.39	2.8		
16	675	90.26*	0.90	KC57 KCF57 KCA57 KCAF57	MS(H)90S-4
18	575	76.56*	1.05		MS(H)90S-4
20	520	69.12	1.15		MS(H)90S-4
23	455	60.81*	1.30		MS(H)90S-4
24	430	57.42*	1.40		MS(H)90S-4
29	365	48.89	1.65		MS(H)90S-4
32	335	44.43	1.80		MS(H)90S-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
1.1kW					
36	290	38.49	2.1	KC57 KCF57 KCA57 KCAF57	MS(H)90S-4 MS(H)90S-4 MS(H)90S-4 MS(H)90S-4
39	270	35.7	2.2		
46	225	30.28	2.6		
51	205	27.34	2.9		
58	181	24.05	3.3		
62	170	22.71	3.5		
72	145	19.34	4.0		
80	132	17.57	4.2		
92	114	15.22	4.7		
106	99.0	13.25	5.1		
117	90.0	11.92	4.6		
124	85.0	11.26	4.9		
146	72.0	9.59	5.6		
161	65.0	8.71	6.0		
186	57.0	7.55	6.5		
213	49.0	6.57	7.0		
25	425	56.83	0.95	KC47	MS(H)90S-4
29	365	48.95*	1.10	KCF47	MS(H)90S-4
30	345	46.03*	1.15	KCA47 KCAF47	MS(H)90S-4 MS(H)90S-4
35	295	39.61	1.35	KC47 KCF47 KCA47 KCAF47	MS(H)90S-4 MS(H)90S-4 MS(H)90S-4 MS(H)90S-4
40	265	35.39	1.5		
45	235	31.30	1.7		
48	220	29.32	1.8		
54	194	25.91	2.1		
64	164	21.81	2.4		
72	147	19.58	2.7		
47	225	29.96	0.90	KC37 KCF37 KCA37 KCAF37	MS(H)90S-4 MS(H)90S-4 MS(H)90S-4 MS(H)90S-4
56	188	24.99	1.05		
60	175	23.36	1.10		
69	152	20.19	1.20		
82	129	17.15	1.40		
91	115	15.31	1.50		
107	98.0	13.08	1.70		
115	91.0	12.14	1.75		
133	79.0	10.49	2.0		
157	67.0	8.91	2.4		
176	60.0	7.96	2.6		
206	51.0	6.80	2.9		
220	48.0	6.37	3.0		
261	40.0	5.36	3.5		
1.5kW					
0.21	60800	6747	0.80	KC187RC97 KCH187RC97	MS(H)90L-4 MS(H)90L-4
0.24	53600	5991	0.95		
0.26	47600	5358	1.05		
0.29	42500	4817	1.20		
0.32	38600	4370	1.30		
0.39	33100	3609	1.50	KC187RC97 KCH187RC97	MS(H)90L-4 MS(H)90L-4
0.46	28000	3062	1.80		
0.56	22800	2512	2.2		
0.62	20400	2268	2.5		
0.35	36700	4079	0.85	KC167RC97 KCH167RC97	MS(H)90L-4 MS(H)90L-4
0.42	30500	3376	1.05		
0.51	24700	2755	1.30		
0.65	20000	2182	1.60	KC167RC97 KCH167RC97	MS(H)90L-4 MS(H)90L-4
0.83	15000	1704	2.1		
1	12900	1408	2.5		
1.1	11800	1296	2.7		
0.61	20500	2322	0.9	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
0.85	15200	1659	1.20		
1	12400	1365	1.45		
1.2	11100	1229	1.65		
1.3	9840	1093	1.85		
1.5	8480	942	2.1		
1.7	7630	854	2.4		
2.5	5010	567	3.6		
2.8	4460	504	4.0		
2.6	4830	536	2.7	KC127RC87 KCF127RC87 KCA127RC87 KCAF127RC87	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
3.4	3800	418	3.4		
3.8	3350	367	3.9		
0.80	16400	1757	0.80	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
0.91	14300	1541	0.90		
1.1	12500	1342	1.05		
1.2	10900	1177	1.20		
1.4	9550	1052	1.35		
1.6	8630	899	1.55		
1.8	7240	790	1.80		
2.0	6520	704	2.0		
2.3	6520	610	2.3		
2.6	5080	549	2.6		
3.0	4730	477	3.0		
3.4	3870	418	3.4		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
1.5kW					
1.4	9520	1030	0.85	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
1.6	8320	904	0.95		
1.8	7390	793	1.10		
2.0	6470	696	1.25		
2.3	5670	615	1.40		
2.7	4810	522	1.65		
3.1	4230	461	1.90		
3.5	3740	408	2.1		
3.9	3370	364	2.4		
4.4	2940	318	2.7		
2.5	5420	573	0.80	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
2.8	4680	504	0.90		
3.2	4050	437	1.05		
3.7	3570	382	1.25		
4.1	3160	342	1.35		
4.6	2880	305	1.50		
5.5	2430	258	1.75		
6.1	2190	232	1.95		
7.1	1870	199	2.3		
4.3	3070	330	0.90	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
4.8	2750	294	1.00		
5.6	2360	250	1.15		
6.0	2230	236	1.20		
7.0	1890	201	1.45		
7.7	1720	183	1.55		
5.2	2740	176.05*	1.55	KC97 KCF97 KCA97 KCAF97	MS(H)100L-6 MS(H)100L-6 MS(H)100L-6 MS(H)100L-6
6.0	2390	153.21	1.80		
6.6	2180	140.28	1.95		
7.4	1930	123.93*	2.2		
8.0	1790	176.05*	2.4	KC97 KCF97 KCA97 KCAF97	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
9.2	1560	153.21	2.8		
10	1430	140.28	3.0		
11	1260	123.93*	3.4		
6.2	2290	147.32*	1.20	KC87 KCF87 KCA87 KCAF87	MS(H)100L-6 MS(H)100L-6 MS(H)100L-6 MS(H)100L-6
7.2	1980	126.91*	1.35		
7.9	1800	115.82	1.50		
9.0	1600	102.71*	1.70		
8.1	1770	174.19	1.55	KC87 KCF87 KCA87 KCAF87	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
8.6	1670	164.34*	1.60		
9.6	1500	147.32*	1.80		
11	1290	126.91*	2.1		
12	1180	115.82	2.3		
14	1040	102.71*	2.6		
16	880	86.34	3.1		
8.1	1770	113.56	0.90	KC77 KCF77 KCA77 KCAF77	MS(H)100L-6 MS(H)100L-6 MS(H)100L-6 MS(H)100L-6
9.5	1510	97.05	1.05		
10	1390	88.97	1.10		
12	1220	78.07	1.30		
10	1370	135.28	1.15	KC77 KCF77 KCA77 KCAF77	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
11	1310	128.52	1.20		
12	1150	113.56	1.35		
15	990	97.05	1.55		
16	900	88.97	1.7		
18	795	78.07	1.95		
19	750	73.99	2.1		
22	660	64.75	2.4		
24	595	58.34	2.6		
28	520	51.18	3.0		
31	460	45.16	3.4		
35	405	40.04	3.8		
16	910	90.04	0.90	KC67 KCF67 KCA67 KCAF67	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
18	775	76.37	1.05		
20	700	68.95	1.15		
23	615	60.66	1.35		
25	580	57.28	1.40		
29	495	48.77	1.65		
32	450	44.32	1.80		
37	390	38.39	2.1		
40	360	35.62	2.3		
47	305	30.22	2.7		
52	275	27.28	3.0	KC57 KCF57 KCA57 KCAF57	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
59	245	24	3.3		
23	620	60.81*	0.95		
25	585	57.42*	1.05		
29	495	48.89	1.20		
32	450	44.43	1.35		
37	390	38.49	1.55		
39	365	35.7	1.65		
47	310	30.28	1.95		
52	280	27.34	2.2		
59	245	24.05	2.5		
62	230	22.71	2.6		
73	196	19.34	2.9		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor		
1.5kW							
36	400	39.61	1.00	KC47 KCF47 KCA47 KCAF47	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4		
40	360	35.39	1.10				
45	320	31.30	1.25				
48	300	29.32	1.35				
54	265	25.91	1.50				
65	220	21.81	1.80				
72	199	19.58	2.0				
84	171	16.86	2.2				
89	161	15.86	2.4				
103	139	13.56	2.6				
116	124	12.19	2.8				
120	120	11.77	2.3				
60	235	23.36	0.80	KC37 KCF37 KCA37 KCAF37	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4		
70	205	20.19	0.90				
82	174	17.15	1.05				
92	156	15.31	1.10				
108	133	13.08	1.25				
116	123	12.14	1.30				
134	107	10.49	1.50				
158	91.0	8.91	1.75				
177	81.0	7.96	1.90				
207	69.0	6.80	2.2				
221	65.0	6.37	2.2				
263	55.0	5.36	2.6				
2.2kW							
0.32	57700	4370	0.85	KC187RC97	MS(H)100L-4		
0.50	36400	2818	1.40	KCH187RC97	MS(H)100L-4		
0.39	49000	3609	1.00	KC187RC97 KCH187RC97	MS(H)100L-4 MS(H)100L-4		
0.46	41600	3062	1.20				
0.56	34000	2519	1.45				
0.62	30400	2268	1.65				
0.69	27400	1054	1.80				
0.77	24200	1821	2.2				
0.88	21400	1605	2.5				
0.51	36700	2755	0.85	KC167RC97	MS(H)100L-4		
0.62	29500	2263	1.10	KCH167RC97	MS(H)100L-4		
0.65	29600	2182	1.10	KC167RC97 KCH167RC97	MS(H)100L1-4 MS(H)100L1-4		
0.83	23100	1704	1.40				
1.0	19100	1408	1.65				
1.1	17500	1296	1.80				
1.3	14600	1101	2.2				
1.5	12600	944	2.5				
0.85	22500	1659	0.80	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4		
1.0	18400	1365	1.00				
1.2	16500	1229	1.10				
1.3	14700	1093	1.25				
1.5	1270	942	1.40				
1.7	11400	854	1.60				
1.9	9880	756	1.80				
2.6	7200	536	1.80	KC127RC87 KCF127RC87 KCA127RC87 KCAF127RC87	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4		
3.0	6300	473	2.1				
3.4	5670	418	2.3				
3.8	4970	367	2.6				
4.3	4460	330	2.9				
1.4	14100	1025	0.90	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4		
1.6	12300	899	1.05				
1.8	10700	790	1.20				
2.0	9640	704	1.35				
2.3	8330	610	1.55				
2.6	7510	549	1.75				
3.0	6490	477	2.0				
3.4	5720	418	2.3				
2.3	8380	615	0.95	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4		
2.7	7120	522	1.10				
3.1	6270	461	1.30				
3.5	5540	408	1.45				
3.9	4980	364	1.60				
4.4	4350	318	1.85				
4.9	3910	286	2.0				
5.6	3430	251	2.3				
3.7	5260	382	0.80	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4		
4.1	4680	342	0.90				
4.6	4240	305	1.00				
5.5	3580	258	1.20				
6.1	3220	232	1.35				
7.1	2760	199	1.55				
4.9	4310	143.47*	1.85			KC107	MS(H)132S-8
5.8	3650	121.46	2.2			KCF107	MS(H)132S-8
6.2	3370	112.41*	2.4	KCA107	MS(H)132S-8		
7.0	3020	100.75	2.7	KCAF107	MS(H)132S-8		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
2.2kW					
6.1	3420	153.21*	1.25	KC97	MS(H)112M-6
6.7	3140	140.28	1.35	KCF97	MS(H)112M-6
7.6	2770	123.93*	1.55	KCA97	MS(H)112M-6
8.9	2350	105.13	1.85	KCAF97	MS(H)112M-6
8.0	2620	176.05*	1.65	KC97 KCF97 KCA97 KCAF97	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
9.2	2280	153.21*	1.90		
10	2090	140.28	2.1		
11	1850	123.93*	2.3		
13	1570	105.13	2.8		
15	1440	96.08	3.0		
9.6	2200	147.32*	1.25	KC87	MS(H)100L1-4
11	1890	126.91*	1.45	KCF87	MS(H)100L1-4
12	1730	115.82	1.55	KCA87	MS(H)100L1-4
				KCAF87	MS(H)100L1-4
14	1530	102.71*	1.75	KC87	MS(H)100L1-4
16	1290	86.34	2.1	KCF87	MS(H)100L1-4
18	1180	79.34	2.3	KCA87	MS(H)100L1-4
20	1050	70.46	2.6	KCAF87	MS(H)100L1-4
22	940	63.00*	2.9	KC77 KCF77 KCA77 KCAF77	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
12	1690	113.56	0.9		
15	1450	97.05	1.05		
16	1330	88.97	1.15		
18	1160	78.07	1.35		
19	1100	73.99	1.4		
22	960	64.75	1.6		
24	870	58.34	1.8	KC77 KCF77 KCA77 KCAF77	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
28	765	51.18	2		
31	675	45.18	2.3		
35	595	40.04	2.6		
40	525	35.20	3		
46	460	30.89	3.4		
48	435	29.27	3.6	KC67 KCF67 KCA67 KCAF67	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
55	380	25.62	4.1		
23	900	60.66	0.9		
25	850	57.28	0.95		
29	725	48.77	1.15		
32	660	44.32	1.25		
37	570	38.39	1.40	KC57 KCF57 KCA57 KCAF57	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
40	530	35.62	1.55		
47	450	30.22	1.80		
52	405	27.28	2		
59	360	24.0	2.2		
62	340	22.66	2.3		
73	285	19.3	2.6	KC57 KCF57 KCA57 KCAF57	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
80	260	17.54	2.8		
93	225	15.19	3.1		
107	197	13.22	3.4		
113	186	12.48	2.9		
133	158	10.63	3.2		
146	144	9.66	3.3	KC57 KCF57 KCA57 KCAF57	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
169	125	8.37	3.5		
194	109	7.28	3.9		
32	660	44.43	0.90		
37	575	38.49	1.05		
39	530	35.7	1.15		
47	450	30.28	1.35	KC57 KCF57 KCA57 KCAF57	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
52	405	27.34	1.45		
59	360	24.05	1.65		
62	340	22.71	1.75		
73	290	19.34	2		
80	260	17.57	2.1		
93	225	15.22	2.4	KC47 KCF47 KCA47 KCAF47	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
106	197	13.25	2.6		
118	178	11.92	2.3		
125	168	11.26	2.5		
54	385	25.91	1.05		
65	325	21.81	1.25		
72	290	19.58	1.35	KC47 KCF47 KCA47 KCAF47	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
84	250	16.86	1.5		
89	235	15.86	1.6		
103	205	13.65	1.75		
116	152	12.19	1.95		
120	175	11.77	1.6		
133	157	10.56	1.8	KC37 KCF37 KCA37 KCAF37	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
155	136	9.1	2.1		
108	195	13.08	0.85		
134	156	10.49	1		
158	133	8.91	1.2		
177	119	7.96	1.3		
207	101	6.80	1.5	KC37 KCF37 KCA37 KCAF37	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
221	95	6.37	1.55		
263	80	5.36	1.75		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
3.0kW					
0.50	50800	2818	1.00	KC187RC97 KCH187RC97	MS(H)100L2-4 MS(H)100L2-4
0.46	57500	3062	0.85		
0.56	47100	2519	1.05		
0.62	42200	2268	1.20		
0.68	38100	2054	1.30		
0.77	33600	1821	1.50		
0.87	29800	1605	1.70		
1.0	25500	1395	1.95		
1.2	22100	1196	2.3		
0.82	31900	1704	1.00	KC167RC97 KCH167RC97	MS(H)100L2-4 MS(H)100L2-4
0.99	26400	1408	1.20		
1.1	24300	1296	1.30		
1.3	20300	1101	1.55		
1.5	17500	944	1.85		
1.7	15400	843	2.1		
1.9	13900	757	2.3		
1.1	22900	1229	0.80	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
1.3	20400	1093	0.90		
1.5	17600	942	1.05		
1.6	15800	854	1.15		
1.9	13800	756	1.30		
2.5	10500	567	1.70		
2.8	9310	504	1.95		
2.6	9980	536	1.30	KC127RC87 KCF127RC87 KCA127RC87 KCAF127RC87	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
3.0	8760	473	1.50		
3.4	7870	418	1.65		
3.8	6880	367	1.90		
4.2	6170	330	2.1		
4.9	5300	287	2.5		
1.8	14800	790	0.90	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
2.0	13300	704	1.00		
2.3	11500	610	1.15		
2.6	10400	549	1.25		
2.9	8970	477	1.45		
3.4	7900	418	1.65		
3.0	8660	461	0.90	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
3.4	7660	408	1.05		
3.9	6870	364	1.15		
4.4	6000	318	1.35		
4.9	5400	286	1.50		
5.6	4730	251	1.70		
6.3	4170	222	1.90		
7.1	3690	196	2.2		
8.1	3300	174	2.2	KC107RC77 KCF107RC77 KCA107RC77 KCAF107RC77	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
9.1	2920	154	2.5		
10	2650	140	2.7		
5.4	4930	258	0.85		
6.0	4440	232	0.95		
7.0	3810	199	1.15		
5.0	5710	143.47*	1.4	KC107 KCF107 KCA107 KCAF107	MS(H)132M-8 MS(H)132M-8 MS(H)132M-8 MS(H)132M-8
5.9	4830	121.46	1.65		
6.4	4470	112.41*	1.8		
7.2	4010	100.75	2		
7.9	3620	90.96*	2.2		
6.5	4370	143.47*	1.85		MS(H)132S-6 MS(H)132S-6 MS(H)132S-6 MS(H)132S-6
7.7	3700	121.46	2.2		
8.4	3430	112.41*	2.3		
9.3	3070	100.75	2.6		
9.8	2940	143.47*	2.7	KC107 KCF107 KCA107 KCAF107	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
12	2940	121.46	3.2		
7.6	3780	123.93*	1.15	KC97 KCF97 KCA97 KCAF97	MS(H)132S-6 MS(H)132S-6 MS(H)132S-6 MS(H)132S-6
8.9	3200	105.13	1.35		
9.7	2950	96.80	1.45		
11	2640	86.52	1.65		
8.0	3600	176.06*	1.20	KC97 KCF97 KCA97 KCAF97	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
9.1	3140	153.21*	1.35		
10	2870	140.28	1.50		
11	2540	123.93*	1.70		
13	2150	105.13	2.0		
14	1980	96.80	2.2		
16	1770	86.53	2.4		
18	1590	77.89*	2.7		
20	1440	70.54	3.0	KC87 KCF87 KCA87 KCAF87	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
22	1280	62.55	3.4		
25	1160	56.55	3.7		
9.5	3010	147.32*	0.9		
11	2600	126.91*	1.05		
12	2370	115.82	1.15		
14	2100	102.71*	1.3		
16	1770	86.34	1.55		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
3.0kW					
18	1620	79.34	1.65	KC87 KCF87 KCA87 KCAF87	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
20	1440	70.46	1.85		
22	1290	63.00*	2.1		
25	1160	56.64	2.3		
28	1010	49.16	2.7		
32	900	44.02	2.9		
38	745	36.52*	3.4		
16	1820	88.97	0.85	KC77 KCF77 KCA77 KCAF77	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
18	1600	78.07	0.95		
19	1510	73.99	1		
22	1330	64.75	1.15		
24	1190	58.34	1.3		
27	1050	51.18	1.5		
31	920	45.16	1.7		
35	820	40.04	1.9		
40	720	35.20	2.2		
45	630	30.89	2.5		
32	910	44.32	0.90	KC67 KCF67 KCA67 KCAF67	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
36	785	38.39	1.00		
39	730	35.62	1.15		
46	620	30.22	1.35		
51	560	27.80	1.45		
58	490	24.00	1.65		
62	465	22.86	1.7		
73	395	19.30	1.95		
80	360	17.54	2.1		
92	310	15.19	2.3		
106	270	13.22	2.5		
112	255	12.48	2.1		
132	220	10.63	2.3		
145	198	9.66	2.4		
46	620	30.28	0.95	KC57 KCF57 KCA57 KCAF57	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
51	560	27.34	1.05		
58	490	24.05	1.2		
62	465	22.71	1.3		
72	395	19.34	1.45		
80	360	17.57	1.55		
92	310	15.22	1.70		
106	270	13.25	1.90		
117	245	11.92	1.70		
124	230	11.26	1.80		
146	196	9.59	2.1		
161	178	8.71	2.2		
186	154	7.55	2.4		
213	134	6.57	2.6		
72	400	19.58	1.00	KC47 KCF47 KCA47 KCAF47	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
83	345	16.86	1.10		
88	325	15.86	1.15		
103	280	13.65	1.3		
115	250	12.19	1.40		
119	240	11.77	1.15		
133	215	10.56	1.30		
154	186	9.10	1.50		
164	175	8.56	1.55		
190	151	7.36	1.65		
213	135	6.58	1.80		
241	119	5.81	1.95		
157	182	8.91	0.90	KC37 KCF37 KCA37 KCAF37	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
176	163	7.96	0.95		
206	139	6.80	1.10		
220	130	6.37	1.10		
261	110	5.36	1.30		
4.0kW					
1.7	20100	835	2.5	KC187RC107	MS(H)112M-4
2.7	12600	520	4.0	KCH187RC107	MS(H)112M-4
0.56	62200	2519	0.80	KC187RC97 KCH187RC97	MS(H)112M-4 MS(H)112M-4
0.63	55900	2268	0.90		
0.69	50500	2054	1.00		
0.78	44600	1821	1.10		
0.88	39400	1605	1.25		
1.0	33900	1395	1.50		
1.2	39300	1196	1.70		
1.4	35600	1046	1.95		
1.5	23100	945	2.2		
1.0	34900	1408	0.90	KC167RC97 KCH167RC97	MS(H)112M-4 MS(H)112M-4
1.1	32100	1296	1.00		
1.3	26900	1101	1.20		
1.5	23200	944	1.40		
1.7	20500	843	1.55		
1.9	18500	757	1.75		
2.2	15500	632	2.1		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
4.0kW					
1.7	21000	854	0.85	KC157RC97	MS(H)112M-4
1.9	18300	756	1.00	KCF157RC97	MS(H)112M-4
2.5	13900	567	1.30	KCA157RC97	MS(H)112M-4
2.8	12300	504	1.45	KCAF157RC97	MS(H)112M-4
3.3	10500	434	1.70		
2.6	13200	536	1.00	KC127RC87	MS(H)112M-4
3.0	11600	473	1.10	KCF127RC87	MS(H)112M-4
3.4	10400	418	1.25	KCA127RC87	MS(H)112M-4
3.9	9090	367	1.45	KCAF127RC87	MS(H)112M-4
4.3	8160	330	1.60		
5.0	7020	287	1.85		
5.6	6210	253	2.1		
2.3	15200	610	0.85	KC127RC77	MS(H)112M-4
2.6	13700	549	0.95	KCF127RC77	MS(H)112M-4
3.0	11800	477	1.10	KCA127RC77	MS(H)112M-4
3.4	10400	418	1.25	KCAF127RC77	MS(H)112M-4
3.9	9050	364	0.90	KC107RC77	MS(H)112M-4
4.5	7910	318	1.00	KCF107RC77	MS(H)112M-4
5.0	7120	286	1.10	KCA107RC77	MS(H)112M-4
5.7	6240	251	1.30	KCAF107RC77	MS(H)112M-4
6.4	5500	222	1.45		
7.2	4870	196	1.65		
8.2	4360	174	1.65		
9.2	3860	154	1.85		
10	3500	140	2.1		
7.1	5020	199	0.85	KC97RC57	MS(H)112M-4
				KCF97RC57	MS(H)112M-4
				KCA97RC57	MS(H)112M-4
				KCAF97RC57	MS(H)112M-4
5.3	7220	136.14	1.80	KC127	MS(H)160M1-8
5.9	6500	122.48	2.0	KCF127	MS(H)160M1-8
6.5	5850	110.18	2.2	KCA127	MS(H)160M1-8
				KCAF127	MS(H)160M1-8
6.6	5810	146.07	2.2	KC127	MS(H)132M-6
7.0	5420	136.14	2.4	KCF127	MS(H)132M-6
7.8	4870	122.48	2.7	KCA127	MS(H)132M-6
8.7	4380	110.18	3.0	KCAF127	MS(H)132M-6
6.7	5710	143.47*	1.40	KC107	MS(H)132M-6
7.9	4830	121.46	1.65	KCF107	MS(H)132M-6
8.5	4470	112.41*	1.80	KCA107	MS(H)132M-6
9.5	4010	100.75	2.0	KCAF107	MS(H)132M-6
11	3620	90.96*	2.2		
9.9	3860	143.47*	2.1	KC107	MS(H)112M-4
12	3270	121.46	2.5	KCF107	MS(H)112M-4
13	3020	112.41*	2.7	KCA107	MS(H)112M-4
14	2710	100.75	3.0	KCAF107	MS(H)112M-4
16	2450	90.96*	3.3		
17	2220	82.61	3.6		
19	1970	73.3	4.1		
9.3	4120	153.21*	1.05	KC97	MS(H)112M-4
10	3770	140.28	1.15	KCF97	MS(H)112M-4
11	3330	123.93*	1.30	KCA97	MS(H)112M-4
				KCAF97	MS(H)112M-4
14	2830	105.13	1.50	KC97	MS(H)112M-4
15	2600	96.80	1.65	KCF97	MS(H)112M-4
16	2330	86.52	1.85	KCA97	MS(H)112M-4
18	2100	77.89*	2.1	KCAF97	MS(H)112M-4
20	1900	70.54	2.3		
12	3120	115.82	0.85	KC87	MS(H)112M-4
14	2760	102.71*	1.00	KCF87	MS(H)112M-4
16	2320	86.34	1.15	KCA87	MS(H)112M-4
18	2130	79.34	1.25	KCAF87	MS(H)112M-4
20	1900	70.46	1.40		
23	1690	63.00*	1.60	KC87	MS(H)112M-4
25	1520	56.64	1.75	KCF87	MS(H)112M-4
29	1320	49.16	2.0	KCA87	MS(H)112M-4
32	1180	44.02	2.2	KCAF87	MS(H)112M-4
39	980	36.52*	2.5		
22	1740	64.75	0.90	KC77	MS(H)112M-4
24	1570	58.34	1.00	KCF77	MS(H)112M-4
28	1380	51.18	1.15	KCA77	MS(H)112M-4
31	1210	45.16	1.30	KCAF77	MS(H)112M-4
35	1080	40.04	1.45		
37	1030	38.39	1.45		
40	950	35.20	1.65	KC77	MS(H)112M-4
46	830	30.89	1.85	KCF77	MS(H)112M-4
49	785	29.27	1.95	KCA77	MS(H)112M-4
55	690	25.62	2.3	KCAF77	MS(H)112M-4
62	620	23.08	2.5		
70	545	20.25	2.8		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
4.0kW					
47	810	30.22	1.00	KC67	MS(H)112M-4
52	735	27.28	1.10	KCF67	MS(H)112M-4
59	645	24.00	1.25	KCA67	MS(H)112M-4
63	610	22.66	1.30	KCAF67	MS(H)112M-4
74	520	19.30	1.45		
81	470	17.54	1.55		
94	410	15.19	1.70	KC67	MS(H)112M-4
107	355	13.22	1.90	KCF67	MS(H)112M-4
114	335	12.48	1.60	KCA67	MS(H)112M-4
134	285	10.63	1.75	KCAF67	MS(H)112M-4
147	260	9.66	1.85		
170	225	8.37	1.95		
195	196	7.28	2.1		
59	645	24.05	0.95		
63	610	22.71	1.00		
73	520	19.34	1.10		
81	475	17.57	1.15		
93	410	15.22	1.30	KC57	MS(H)112M-4
107	355	13.25	1.45	KCF57	MS(H)112M-4
119	320	11.92	1.30	KCA57	MS(H)112M-4
126	305	11.26	1.35	KCAF57	MS(H)112M-4
148	260	9.59	1.55		
163	235	8.741	1.65		
188	205	7.55	1.80		
216	177	6.57	1.95		
5.5kW					
0.79	61300	1821	0.80		
0.89	54200	1605	0.90		
1.0	46700	1395	1.05		
1.2	40300	1196	1.25	KC187RC97	MS(H)132S-4
1.4	35200	1046	1.40	KCH187RC97	MS(H)132S-4
1.5	31700	945	1.60		
1.9	24800	738	2.0		
2.3	20800	621	2.4		
1.3	37100	1101	0.85		
1.5	31900	944	1.00		
1.7	28200	843	1.15		
1.9	25400	757	1.25	KC167RC97	MS(H)132S-4
2.3	21300	632	1.50	KCH167RC97	MS(H)132S-4
2.6	18700	561	1.70		
3.0	16200	481	2.0		
3.4	14100	423	2.3		
2.2	22000	661	0.80		
2.5	19100	567	0.95	KC157RC97	MS(H)132S-4
2.8	17000	504	1.05	KCF157RC97	MS(H)132S-4
3.3	14500	434	1.25	KCA157RC97	MS(H)132S-4
3.8	12600	379	1.45	KCAF157RC97	MS(H)132S-4
4.3	11100	333	1.60		
3.4	14300	418	0.90		
3.9	12500	367	1.05		
4.3	11200	330	1.15		
5.0	9650	287	1.35	KC127RC87	MS(H)132S-4
5.6	8540	253	1.50	KCF127RC87	MS(H)132S-4
6.7	7170	213	1.80	KCA127RC87	MS(H)132S-4
7.1	6830	200	1.75	KCAF127RC87	MS(H)132S-4
8.6	5660	166	2.1		
9.8	4990	147	2.4		
6.5	7540	222	1.05		
7.3	6680	196	1.20	KC107RC77	MS(H)132S-4
8.2	5970	174	1.20	KCF107RC77	MS(H)132S-4
9.3	5280	154	1.35	KCA107RC77	MS(H)132S-4
10	4800	140	1.50	KCAF107RC77	MS(H)132S-4
4.7	11100	150.41	1.60	KC157	MS(H)160M2-8
5.8	9050	122.39	2.0	KCF157	MS(H)160M2-8
7.1	7140	100.22	2.4	KCA157	MS(H)160M2-8
7.8	6780	91.65	2.7	KCAF157	MS(H)160M2-8
5.2	10100	136.14	1.30	KC127	MS(H)160M2-8
5.8	9060	122.48	1.45	KCF127	MS(H)160M2-8
6.4	8150	110.18	1.60	KCA127	MS(H)160M2-8
7.9	6650	89.89	1.95	KCAF127	MS(H)160M2-8
7.0	7450	136.14	1.75	KC127	MS(H)132M2-6
7.8	6700	112.48	1.95	KCF127	MS(H)132M2-6
8.7	6030	110.18	2.2	KCA127	MS(H)132M2-6
11	4920	89.89	2.6	KCAF127	MS(H)132M2-6
8.5	6150	112.41*	1.30	KC107	MS(H)132M2-6
9.5	5510	100.75	1.45	KCF107	MS(H)132M2-6
11	4980	90.96*	1.60	KCA107	MS(H)132M2-6
12	4520	82.61	1.75	KCAF107	MS(H)132M2-6
10	5270	143.47*	1.50		
12	4460	121.41*	1.80	KC107	MS(H)132S-4
13	4130	12.41*	1.95	KCF107	MS(H)132S-4
14	3700	100.75	2.2	KCA107	MS(H)132S-4
16	3340	90.96*	2.4	KCAF107	MS(H)132S-4
17	3030	82.61	2.6		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
5.5kW					
12	4550	123.93*	0.95	KC97	MS(H)132S-4
14	3860	105.13*	1.10	KCF97	MS(H)132S-4
15	3560	96.80	1.20	KCA97	MS(H)132S-4
17	3180	86.52	1.35	KCAF97	MS(H)132S-4
18	2860	77.89*	1.50	KC97	MS(H)132S-4
20	2590	70.54	1.65	KCF97	MS(H)132S-4
23	2300	62.55	1.85	KCA97	MS(H)132S-4
25	2080	56.55	2.1	KCAF97	MS(H)132S-4
30	1760	47.93*	2.4		
17	3170	86.34	0.85	KC87	MS(H)132S-4
18	2910	79.34	0.95	KCF87	MS(H)132S-4
20	2590	70.46	1.05	KCA87	MS(H)132S-4
23	2310	63.00*	1.15	KCAF87	MS(H)132S-4
25	2080	56.64	1.30		
29	1810	49.16	1.50	KC87	MS(H)132S-4
32	1620	44.02	1.60	KCF87	MS(H)132S-4
39	1340	36.52*	1.85	KCA87	MS(H)132S-4
46	1150	31.39	2.3	KCAF87	MS(H)132S-4
51	1020	27.88	2.5		
32	1660	45.16	0.95	KC77	MS(H)132S-4
36	1470	40.04	1.05	KCF77	MS(H)132S-4
46	1130	30.89	1.35	KCA77	MS(H)132S-4
49	1070	29.27	1.45	KCAF77	MS(H)132S-4
56	940	25.62	1.65		
62	850	23.08	1.85	KC77	MS(H)132S-4
71	745	20.25	2.0	KCF77	MS(H)132S-4
80	655	17.87	2.2	KCA77	MS(H)132S-4
90	580	15.84	2.4	KCAF77	MS(H)132S-4
106	495	13.52	2.7		
116	455	12.36	2.2		
132	400	10.84	2.5		
60	880	24.00	0.90	KC67	MS(H)132S-4
63	830	22.66	0.95	KCF67	MS(H)132S-4
74	710	19.3	1.05	KCA67	MS(H)132S-4
82	645	17.54	1.15	KCAF67	MS(H)132S-4
94	560	15.19	1.25		
108	485	13.22	1.40		
115	460	12.48	1.15	KC67	MS(H)132S-4
135	390	10.63	1.30	KCF67	MS(H)132S-4
148	355	9.66	1.35	KCA67	MS(H)132S-4
171	305	8.37	1.45	KCAF67	MS(H)132S-4
196	265	7.28	1.55		
7.5kW					
1.7	38200	835	1.30	KC187RC107	MS(H)132M-4
2.0	33200	729	1.50	KCH187RC107	MS(H)132M-4
2.3	28300	622	1.75		
1.2	55200	1196	0.90	KC187RC97	MS(H)132M-4
1.4	48200	1046	1.05	KCH187RC97	MS(H)132M-4
1.5	43500	945	1.15		
1.9	34000	738	1.45		
2.3	28600	621	1.75		
2.7	24200	527	2.1		
1.7	38700	843	0.85	KC167RC97	MS(H)132M-4
1.9	34900	757	0.90	KCH167RC97	MS(H)132M-4
2.3	29200	632	1.10		
2.6	25600	561	1.25		
3.0	22200	481	1.45		
3.4	19400	423	1.65		
3.9	16900	369	1.90		
3.3	19900	434	0.90	KC157RC97	MS(H)132M-4
3.8	17400	379	1.05	KCF157RC97	MS(H)132M-4
4.3	15300	333	1.20	KCA157RC97	MS(H)132M-4
4.9	13300	291	1.35	KCAF157RC97	MS(H)132M-4
4.3	15300	330	0.85	KC127RC87	MS(H)132M-4
5.0	13200	287	1.00	KCF127RC87	MS(H)132M-4
5.6	11700	253	1.10	KCA127RC87	MS(H)132M-4
6.7	9830	213	1.30	KCAF127RC87	MS(H)132M-4
7.1	9360	200	1.30		
8.6	7750	166	1.55		
9.8	6840	147	1.75		
4.4	16400	164.50	1.95	KC167	MS(H)160L-8
5.3	13400	134.99	2.4	KCH167	MS(H)160L-8
5.8	12300	164.50	2.6	KC167	MS(H)160M-6
7.1	10100	134.99	3.2	KCH167	MS(H)160M-6
6.4	11200	150.41	1.60	KC157	MS(H)160M-6
7.8	9130	122.39	1.95	KCF157	MS(H)160M-6
9.6	7480	100.22	2.4	KCA157	MS(H)160M-6
10	6840	91.65	2.6	KCAF157	MS(H)160M-6
12	5950	79.75	3.0		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
7.5kW					
7.0	10200	136.14	1.30	KC127	MS(H)160M-6
7.8	9140	122.48	1.40	KCF127	MS(H)160M-6
8.7	8220	110.18	1.60	KCA127	MS(H)160M-6
11	6710	89.89	1.95	KCAF127	MS(H)160M-6
9.8	7320	146.07	1.80		
11	6820	136.14	1.90	KC127	MS(H)132M-4
12	6130	122.48	2.1	KCF127	MS(H)132M-4
13	5520	110.18	2.4	KCA127	MS(H)132M-4
16	4500	89.89	2.9	KCAF127	MS(H)132M-4
17	4110	81.98	3.2		
20	3550	70.95*	3.7		
10	7190	143.47*	1.10	KC107	MS(H)132M-4
12	6080	121.46	1.30	KCF107	MS(H)132M-4
13	5630	112.41	1.40	KCA107	MS(H)132M-4
				KCAF107	MS(H)132M-4
14	5050	100.75	1.60		
16	4560	90.96*	1.75		
17	4140	82.61	1.95	KC107	MS(H)132M-4
20	3670	73.30	2.2	KCF107	MS(H)132M-4
22	3330	66.52*	2.4	KCA107	MS(H)132M-4
25	2860	57.17*	2.8	KCAF107	MS(H)132M-4
29	2500	49.90	3.1		
34	2120	42.33*	3.5		
39	1850	37.00	3.9		
15	4850	96.80	0.90	KC97	MS(H)132M-4
17	4330	86.52	1.00	KCF97	MS(H)132M-4
18	3900	77.89*	1.10	KCA97	MS(H)132M-4
20	3530	70.54	1.20	KCAF97	MS(H)132M-4
23	3130	62.55	1.35		
25	2830	56.55	1.50	KC97	MS(H)132M-4
30	2400	47.93*	1.80	KCF97	MS(H)132M-4
34	2100	41.87	2.1	KCA97	MS(H)132M-4
37	1920	38.30	2.2	KCAF97	MS(H)132M-4
42	1710	34.23	2.5		
23	3160	63.00*	0.85	KC87	MS(H)132M-4
25	2840	56.64	0.95	KCF87	MS(H)132M-4
29	2460	49.16	1.10	KCA87	MS(H)132M-4
32	2200	44.02	1.20	KCAF87	MS(H)132M-4
39	1830	36.52*	1.35		
46	1570	31.39	1.70		
51	1400	27.88	1.85	KC87	MS(H)132M-4
57	1250	24.92	2.0	KCF87	MS(H)132M-4
64	1120	22.41	2.1	KCA87	MS(H)132M-4
74	970	19.45	2.4	KCAF87	MS(H)132M-4
82	870	17.42	2.5		
89	800	16.00	2.3		
99	725	14.45	2.9		
46	1550	30.89	1.00	KC77	MS(H)132M-4
49	1470	28.27	1.05	KCF77	MS(H)132M-4
56	1280	25.62	1.20	KCA77	MS(H)132M-4
62	1160	23.08	1.35	KCAF77	MS(H)132M-4
71	1010	20.25	1.50		
80	890	17.87	1.60		
90	795	15.84	1.75	KC77	MS(H)132M-4
106	675	13.52	2.00	KCF77	MS(H)132M-4
116	620	12.36	1.60	KCA77	MS(H)132M-4
132	545	10.84	1.80	KCAF77	MS(H)132M-4
150	480	9.56	1.95		
169	425	8.48	2.1		
198	365	7.24	2.3		
11kW					
1.70	56000	835	0.90		
2.00	48700	729	1.05	KC187RC107	MS(H)160M-4
2.30	41600	622	1.20	KCH187RC107	MS(H)160M-4
2.80	35200	520	1.40		
3.20	30700	454	1.65		
4.00	23700	355	2.1		
1.90	49800	738	1.00	KC187RC97	MS(H)160M-4
2.30	41800	621	1.20	KCH187RC97	MS(H)160M-4
2.70	35400	527	1.40		
4.5	21500	318	1.50		
5.2	18800	278	1.70	KC167RC107	MS(H)160M-4
5.9	16200	244	1.95	KCH167RC107	MS(H)160M-4
6.8	14200	213	2.3		
7.0	13800	206	2.3		
2.6	37600	561	0.85		
3.0	32400	481	1.00	KC167RC97	MS(H)160M-4
3.4	28400	423	1.15	KCH167RC97	MS(H)160M-4
3.9	24800	369	1.30		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
11kW					
4.3 5.0	22400 19500	333 291	0.80 0.90	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
6.8 7.2 8.7 9.8	14400 13700 11300 10000	213 200 166 147	0.90 0.90 1.05 1.20	KC127RC87 KCF127RC87 KCA127RC87 KCAF127RC87	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
5.3 6.6	19700 16000	134.99 109.83	1.60 2.0	KC167 KCH167	MS(H)180L-8 MS(H)180L-8
5.8 7.1	18000 14800	164.50 134.99	1.80 2.2	KC167 KCH167	MS(H)160L-6 MS(H)160L-6
8.8 11	12000 9850	164.50 134.99	2.7 3.3	KC167 KCH167	MS(H)160M-4 MS(H)160M-4
5.9 7.2 7.9 9.0	17900 14600 13400 11600	12.39 100.22 91.65 79.75	1.00 1.25 1.35 1.55	KC157 KCF157 KCA157 KCAF157	MS(H)180L-8 MS(H)180L-8 MS(H)180L-8 MS(H)180L-8
6.4 7.8 9.6 10 12	16500 13400 11000 10000 8730	150.41 122.39 100.22 91.65 79.75	1.10 1.35 1.65 1.80 2.10	KC157 KCF157 KCA157 KCAF157	MS(H)160L-6 MS(H)160L-6 MS(H)160L-6 MS(H)160L-6 MS(H)160L-6
9.6 12 14 16	11000 8930 7310 6690	150.41 122.39 100.22 91.65	1.65 2.0 2.5 2.7	KC157 KCF157 KCA157 KCAF157	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
11 12 13 16 18 20	9930 8930 8040 6560 5980 5180	136.14 122.48 110.18 89.89 81.98 70.95*	1.30 1.45 1.60 2.0 2.2 2.5	KC127 KCF127 KCA127 KCAF127	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
13 14 16 17	8200 7350 6630 6030	112.41* 100.75 90.96* 82.61	1.00 1.10 1.20 1.35	KC107 KCF107 KCA107 KCAF107	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
20 22 25 29 34 39	5350 4850 4170 3640 3090 2700	73.30 66.52* 57.17* 49.49 42.33* 37.00	1.50 1.65 1.90 2.2 2.4 2.7	KC107 KCF107 KCA107 KCAF107	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
20 23 25 30	5150 4560 4130 3500	70.54 62.55 56.55 47.93*	0.85 0.95 1.05 1.25	KC97 KCF97 KCA97 KCAF97	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
34 38 42 47 52 58 64	3050 2790 2500 2250 2040 1800 1630	41.87 38.30 34.23 30.82 27.91 24.75 22.37	1.40 1.55 1.70 1.90 2.1 2.4 2.6	KC97 KCF97 KCA97 KCAF97	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
33 39 46 52 58	3210 2660 2290 2030 1820	44.02 36.52* 31.39 27.88 24.92	0.80 0.95 1.20 1.30 1.40	KC87 KCF87 KCA87 KCAF87	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
64 74 83 90 100 115 129 144 174 200	1630 1420 1270 1170 1050 920 810 730 605 525	22.41 19.45 17.42 16.00 14.45 12.56 11.17 10.00 8.29 7.21	1.40 1.60 1.75 1.55 2.0 2.2 1.85 2.1 2.3 2.5	KC87 KCF87 KCA87 KCAF87	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
62 71 81 91 107 117 133 151 170 199	1680 1480 1300 1160 990 900 790 700 620 530	23.08 20.25 17.87 15.84 13.52 12.36 10.84 9.56 8.48 7.24	0.9 1.0 1.1 1.2 1.35 1.1 1.25 1.35 1.45 1.55	KC77 KCF77 KCA77 KCAF77	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
15kW					
2.4 2.8 3.2 4.1 5.6	56200 47600 41400 32000 23800	622 520 454 355 261	0.9 1.05 1.2 0.55 2.1	KC187RC107 KCH187RC107	MS(H)160L-4 MS(H)160L-4
4.6 5.3 6 6.9 7.1 8.1 9.2	29100 25300 22000 19200 18700 16100 14600	318 278 244 213 206 180 160	1.1 1.25 1.45 1.65 1.70 2 2.2	KC167RC107 KCH167RC107	MS(H)160L-4 MS(H)160L-4
6.3 6.9 7.8 9.3 12 14	20600 19400 16700 14200 11100 9710	230 213 187 157 122 107	0.85 0.95 1.05 1.25 1.6 1.85	KC157RC107 KCF157RC107 KCA157RC107 KCAF157RC107	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
5.4 5.9	26600 24400	179.86 165.21	1.90 2.1	KC187 KCH187	MS(H)180L-6 MS(H)180L-6
7.2 8.8	19900 16200	134.99 109.83	1.60 1.95	KC167 KCH167	MS(H)180L-6 MS(H)180L-6
8.9 11	16100 13200	164.5 134.99	2 2.4	KC167 KCH167	MS(H)160L-4 MS(H)160L-4
7.9 9.7 11 12 14	18100 14800 13500 11800 10400	122.39 100.22 91.65 79.75 70.38	1.00 1.20 1.35 1.55 1.75	KC157 KCF157 KCA157 KCAF157	MS(H)180L-6 MS(H)180L-6 MS(H)180L-6 MS(H)180L-6
9.7 12 15 16 18	14800 12000 9830 8990 7820	150.41 122.39 100.22 91.65 79.75	1.20 1.50 1.85 2.0 2.3	KC157 KCF157 KCA157 KCAF157	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
11 12 13	13400 12000 10800	136.14 122.48 110.18	0.95 1.10 1.20	KC127 KCF127 KCA127 KCAF127	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
16 18 21 23 27 31	8820 8040 6960 6140 5300 4690	89.89 81.98 70.95* 62.60 54.07 47.82	1.45 1.60 1.85 2.1 2.1 2.8	KC127 KCF127 KCA127 KCAF127	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
16 18 20 22	8920 8110 7190 6530	90.96* 82.61 73.30 66.52*	0.90 1.00 1.10 1.25	KC107 KCF107 KCA107 KCAF107	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
26 29 34 39 45 47 50	5610 4900 4150 3630 3210 3070 2840	57.71* 49.90 42.33* 37.00* 32.69 31.28* 29.00	1.45 1.60 1.75 2.0 2.3 2.2 2.5	KC107 KCF107 KCA107 KCAF107	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
30 35 38 43 47	4700 4110 3760 3360 3020	47.93* 41.87 38.30 34.23 30.82	0.90 1.05 1.15 1.30 1.40	KC97 KCF97 KCA97 KCAF97	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
52 59 65 77 88	2740 2430 2190 1860 1620	27.91 24.75 22.37 18.96 16.56	1.55 1.75 1.95 2.3 2.7	KC97 KCF97 KCA97 KCAF97	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
47 52 59 65 75 84	3080 2730 2440 2200 1910 1710	31.39 27.88 24.92 22.41 19.45 17.42	0.90 0.95 1.00 1.05 1.20 1.30	KC87 KCF87 KCA87 KCAF87	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
91 101 116 131 146 176 202	1570 1420 1230 1100 980 810 705	16.0 14.45 12.56 11.17 10 8.29 7.21	1.15 1.50 1.60 1.35 1.55 1.70 1.85	KC87 KCF87 KCA87 KCAF87	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
18.5kW					
2.8	58600	520	0.85	KC187RC107 KCH187RC107	MS(H)180M-4 MS(H)180M-4
3.2	51100	454	1.00		
4.1	39500	355	1.25		
5.6	29400	261	1.70		
6.6	24800	211	2.0		
4.6	35800	318	0.90	KC167RC107 KCH167RC107	MS(H)180M-4 MS(H)180M-4
5.3	31200	278	1.00		
6.0	27100	244	1.20		
6.9	23600	213	1.35		
7.1	23000	206	1.40		
8.1	19900	180	1.60		
9.2	18000	160	1.80		
11	15200	135	2.1		
12	13200	118	2.4		
7.8	20700	187	0.85	KC157RC107 KCF157RC107 KCA157RC107 KCAF157RC107	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
9.3	17500	157	1.05		
12	13700	122	1.30		
14	12000	107	1.50		
5.4	20700	179.86	1.55	KC187 KCH187	MS(H)200L1-6 MS(H)200L1-6
5.9	17500	165.21	1.65		
6.7	13700	144.59	1.90		
7.5	12000	129.69	2.1		
8.2	21700	179.86	2.3	KC187 KCH187	MS(H)180M-4 MS(H)180M-4
8.9	19900	165.21	2.5		
10	17400	144.59	2.9		
11	15600	129.69	3.2		
11	16300	134.99	1.95	KC167 KCH167	MS(H)180M-4 MS(H)180M-4
13	13200	109.83	2.4		
17	10600	87.86	3.0		
9.7	18300	100.22	1.00	KC157 KCF157 KCA157 KCAF157	MS(H)200L1-6 MS(H)200L1-6 MS(H)200L1-6 MS(H)200L1-6
11	16700	91.65	1.10		
12	14500	79.75	1.25		
14	12800	70.38	1.40		
12	14800	122.39	1.20	KC157 KCF157 KCA157 KCAF157	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
15	12100	100.22	1.50		
16	11100	91.65	1.65		
18	9620	79.75	1.85		
21	8490	70.38	2.1		
24	7360	61.02	2.5		
27	6550	54.29	2.8		
31	5640	46.79	3.2		
39	4580	38.02	3.9		
13	13300	110.18	1.00	KC127 KCH127	MS(H)180M-4 MS(H)180M-4
16	10800	89.89	1.20		
18	9890	81.98	1.30		
21	8560	70.95*	1.50	KC127 KCF127 KCA127 KCAF127	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
23	7550	62.60	1.70		
27	6520	54.07	2.0		
31	5770	47.82	2.3		
36	4850	40.19	2.7		
40	4370	36.25	3.0		
47	3780	31.37	3.4		
53	3340	27.68	3.9		
20	8840	73.30	0.90	KC107 KCF107 KCA107 KCAF107	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
22	8020	66.52*	1.00		
26	6890	57.17*	1.15		
29	6020	49.90	1.30		
35	5100	42.33*	1.45	KC107 KCF107 KCA107 KCAF107	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
40	4400	37.00*	1.60		
45	3940	32.69	1.85		
47	3770	31.28*	1.80		
51	3500	29.00*	2.1		
56	3170	26.32	2.3		
65	2730	22.62	2.6		
74	2380	19.74	3.0		
88	2020	16.75	3.5		
35	5050	41.87	0.85	KC97 KCF97 KCA97 KCAF97	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
48	3720	30.82	1.15		
53	3360	27.91	1.30		
59	2980	24.75	1.45		
65	2700	22.37	1.60	KC97 KCF97 KCA97 KCAF97	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
77	2290	18.96	1.90		
88	2000	16.56	2.2		
106	1670	13.85	2.6		
122	1450	11.99	2.7		
59	3000	24.92	0.85	KC87 KCF87 KCA87 KCAF87	MS(H)180M-4 MS(H)180M-4 MS(H)180M-4 MS(H)180M-4
65	2700	22.41	0.85		
75	2340	19.45	1.00		
84	2100	17.42	1.05		
101	1740	14.45	1.20		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
18.5kW					
117	1510	12.56	1.30	KC87 KCF87 KCA87 KCAF87	MS(H)180M-4
131	1350	11.17	1.10		MS(H)180M-4
147	1210	10.00	1.35		MS(H)180M-4
177	1000	8.29	1.40		MS(H)180M-4
203	870	7.21	1.50		MS(H)180M-4
22kW					
3.2	60800	454	0.80	KC187RC107 KCH187RC107	MS(H)180L-4
4.1	47100	355	1.05		MS(H)180L-4
5.6	35000	261	1.45		
6.6	29600	221	1.70		
7.6	25800	193	2.95		
9.0	21800	163	2.3		
5.3	37200	278	0.85	KC167RC107 KCH167RC107	MS(H)180L-4
6	32300	244	1		MS(H)180L-4
6.9	28200	213	1.15		
7.1	27500	206	1.15		
8.1	23800	180	1.35		
9.2	21400	160	1.5		
11	18100	135	1.75		
12	15800	118	2		
9.3	20900	157	0.85	KC157RC107	MS(H)180L-4
12	16400	122	1.1	KCF157RC107	MS(H)180L-4
14	14300	107	1.25	KCA157RC107	MS(H)180L-4
				KCAF157RC107	MS(H)180L-4
5.4	39000	179.86	1.3	KC187 KCH187	MS(H)200L2-6
5.9	35800	165.21	1.4		MS(H)200L2-6
6.7	31300	144.59	1.6		
7.5	28100	129.69	1.8		
8.6	24400	112.6	2.1		
8.2	25800	179.86	1.95	KC187 KCH187	MS(H)180L-4
8.9	23700	165.21	2.1		MS(H)180L-4
10	20700	144.59	2.4		
11	18600	129.69	2.7		
11	19400	134.99	1.65	KC167 KCH167	MS(H)180L-4
13	15700	109.83	2		MS(H)180L-4
17	12600	87.86	2.5		
19	11200	78.14	2.9		
9.7	21700	100.22	0.85	KC157 KCF157 KCA157 KCAF157	MS(H)200L2-6
11	19900	91.65	0.90		MS(H)200L2-6
12	17300	79.75	1.05		MS(H)200L2-6
14	15200	70.38	1.20		MS(H)200L2-6
16	13200	61.02	1.35		MS(H)200L2-6
12	17600	122.39	1.05	KC157 KCF157 KCA157 KCAF157	MS(H)180L-4
15	14400	100.22	1.25		MS(H)180L-4
16	13100	91.65	1.35		MS(H)180L-4
18	11400	79.75	1.55		MS(H)180L-4
21	10100	70.38	1.80		MS(H)180L-4
24	8750	61.02	2.1		MS(H)180L-4
27	7790	54.29	2.3		MS(H)180L-4
31	6710	46.79	2.7		MS(H)180L-4
39	5450	38.02	3.3		MS(H)180L-4
16	12900	89.89	1.00	KC127	MS(H)180L-4
18	11800	81.98	1.10	KCF127	MS(H)180L-4
21	10200	70.95*	1.30	KCA127	MS(H)180L-4
23	8980	62.60	1.45	KCAF127	MS(H)180L-4
27	7750	54.07	1.70	KC127 KCF127 KCA127 KCAF127	MS(H)180L-4
31	6860	47.82	1.90		MS(H)180L-4
36	5760	40.19	2.3		MS(H)180L-4
40	5200	36.25	2.5		MS(H)180L-4
47	4500	31.37	2.9		MS(H)180L-4
53	3970	27.68	3.3		MS(H)180L-4
61	3430	23.91	3.8		MS(H)180L-4
69	3030	21.15	4.3		MS(H)180L-4
26	8200	57.17*	1.00	KC107	MS(H)180L-4
29	7160	49.90	1.10	KCF107	MS(H)180L-4
35	6070	42.33*	1.20	KCA107	MS(H)180L-4
				KCAF107	MS(H)180L-4
40	5310	37.00*	1.35	KC107 KCF107 KCA107 KCAF107	MS(H)180L-4
45	4690	32.69	1.55		MS(H)180L-4
57	4490	31.28*	1.50		MS(H)180L-4
51	4160	29.00	1.75		MS(H)180L-4
56	3770	26.32	1.90		MS(H)180L-4
65	3240	22.62	2.2		MS(H)180L-4
74	2830	19.74	2.5		MS(H)180L-4
88	2400	16.75	2.9		MS(H)180L-4
100	2100	14.64	3.3		MS(H)180L-4
109	1930	13.43	2.2		MS(H)180L-4
125	1680	11.73	2.6		MS(H)180L-4
147	1430	9.94	2.9		MS(H)180L-4
48	4420	30.82	0.95	KC97	MS(H)180L-4
53	4000	27.91	1.05	KCF97	MS(H)180L-4
59	3550	24.75	1.20	KCA97	MS(H)180L-4
65	3210	22.37	1.35	KCAF97	MS(H)180L-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor	
22kW						
77	2720	18.96	1.60	KC97 KCF97 KCA97 KCAF97	MS(H)180L-4	
88	2370	16.56	1.80		MS(H)180L-4	
106	1990	13.85	2.2		MS(H)180L-4	
122	1720	11.99	2.3		MS(H)180L-4	
141	1490	10.41	1.90		MS(H)180L-4	
168	1250	8.71	2.1	KC87 KCF87 KCA87 KCAF87	MS(H)180L-4	
75	2790	19.45	0.80		MS(H)180L-4	
840	2500	17.42	0.90		MS(H)180L-4	
101	270	14.45	1.00		MS(H)180L-4	
117	1800	12.56	1.10		MS(H)180L-4	
131	1600	11.17	0.95		MS(H)180L-4	
147	1430	10.00	1.05		MS(H)180L-4	
177	1190	8.29	1.20		MS(H)180L-4	
203	1030	7.21	1.25			
30kW						
5.6	47700	261	1.05	KC187RC107 KCH187RC107	MS(H)200L-4	
6.6	40400	221	1.25		MS(H)200L-4	
7.6	35200	193	1.40		MS(H)200L-4	
9.0	29700	163	1.70		MS(H)200L-4	
6.9	38400	213	0.85	KC167RC107 KCH167RC107	MS(H)200L-4	
7.1	37500	206	0.85		MS(H)200L-4	
8.2	32400	180	1.00		MS(H)200L-4	
9.2	29100	160	1.10		MS(H)200L-4	
11	24700	135	1.30		MS(H)200L-4	
12	21500	118	1.50		MS(H)200L-4	
8.2	35100	35100	1.45	KC187 KCH187	MS(H)200L-4	
8.9	32200	32200	1.55		MS(H)200L-4	
10	28200	28200	1.75		MS(H)200L-4	
11	25300	25300	2.0		MS(H)200L-4	
13	21900	21900	2.3		MS(H)200L-4	
14	19900	19900	2.5		MS(H)200L-4	
17	17200	17200	2.9	KC167 KCH167	MS(H)200L-4	
13	21400	109.83	1.50		MS(H)200L-4	
17	17100	87.86	1.85		MS(H)200L-4	
19	15200	78.14	2.1		MS(H)200L-4	
22	13300	68.07	2.4		MS(H)200L-4	
24	11800	60.74	2.7	KC157 KCF157 KCA157 KCAF157	MS(H)200L-4	
15	19500	100.22	0.90		MS(H)200L-4	
16	17900	91.65	1.00		MS(H)200L-4	
18	15500	79.75	1.15		MS(H)200L-4	
21	13700	70.38	1.30		MS(H)200L-4	
24	11900	61.02	1.50		MS(H)200L-4	
27	10600	54.29	1.70		MS(H)200L-4	
31	9120	46.79	1.95		MS(H)200L-4	
39	7410	38.02	2.4	KC127 KCF127 KCA127 KCAF127	MS(H)200L-4	
47	6100	31.30	3.0		MS(H)200L-4	
21	13800	70.95*	0.95		MS(H)200L-4	
23	12200	62.60	1.05		MS(H)200L-4	
27	10500	54.07	1.25		MS(H)200L-4	
31	9320	47.82	1.45		MS(H)200L-4	
37	7830	40.19	1.65		MS(H)200L-4	
41	7060	36.25	1.85		MS(H)200L-4	
47	6110	31.37	2.1	KC107 KCF107 KCA107 KCAF107	MS(H)200L-4	
53	5390	27.69	2.4		MS(H)200L-4	
62	4660	23.91	2.8		MS(H)200L-4	
35	8250	42.33*	0.90		MS(H)200L-4	
40	7210	37.00*	1.00		MS(H)200L-4	
47	6100	31.28*	1.10	MS(H)200L-4		
51	5650	29.00	1.25	KC107 KCF107 KCA107 KCAF107	MS(H)200L-4	
56	5130	26.32	1.40		MS(H)200L-4	
65	4410	22.62	1.65		MS(H)200L-4	
74	3850	19.74	1.85		MS(H)200L-4	
88	3260	16.75	2.2		MS(H)200L-4	
100	2850	14.64	2.4		MS(H)200L-4	
109	2620	13.43	1.65		MS(H)200L-4	
125	2280	11.73	1.90		MS(H)200L-4	
148	1940	9.94	2.2	KC97 KCF97 KCA97 KCAF97	MS(H)200L-4	
169	1690	8.69	2.4		MS(H)200L-4	
59	4820	24.75	0.90		MS(H)200L-4	
66	4360	22.37	1.00		MS(H)200L-4	
78	3690	18.96	1.15		MS(H)200L-4	
89	3230	16.56	1.35		MS(H)200L-4	
106	2700	13.58	1.60		MS(H)200L-4	
023	2340	11.99	1.65		MS(H)200L-4	
141	2030	10.41	1.40		MS(H)200L-4	
169	1700	8.71	1.55			
37kW						
5.6	58800	261.00	0.85		KC187RC107 KCH187RC107	MS(H)225S-4
6.6	49000	221.00	1.00	MS(H)225S-4		
7.6	43500	193.00	1.15	MS(H)225S-4		
9	36700	163.00	1.35	MS(H)225S-4		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor	
37kW						
8.2	40100	180.00	0.80	KC167RC107 KCH167RC107	MS(H)225S-4	
9.2	36000	160.00	1.90		MS(H)225S-4	
11	30500	135.00	1.05		MS(H)225S-4	
12	26600	118.00	1.20		MS(H)225S-4	
8.2	43200	179.86	1.15	KC187 KCH187	MS(H)225S-4	
8.9	39700	165.21	1.25		MS(H)225S-4	
10	34800	144.59	1.45		MS(H)225S-4	
11	31200	129.69	1.60		MS(H)225S-4	
13	27100	112.16	1.85		MS(H)225S-4	
14	24600	102.16	2.0		MS(H)225S-4	
17	21200	88.00	2.4	KC167 KCH167	MS(H)225S-4	
13	26400	109.83	1.20		MS(H)225S-4	
17	21100	87.86	1.50		MS(H)225S-4	
19	18800	78.14	1.70		MS(H)225S-4	
22	16400	68.07	1.95		MS(H)225S-4	
24	14600	60.74	2.2		MS(H)225S-4	
28	12400	51.77	2.6	KC157 KCF157 KCA157 KCAF157	MS(H)225S-4	
16	22000	91.65	0.80		MS(H)225S-4	
18	19200	79.75	0.95		MS(H)225S-4	
					MS(H)225S-4	
21	16900	70.38	1.05	KC157 KCF157 KCA157 KCAF157	MS(H)225S-4	
24	14700	61.02	1.25		MS(H)225S-4	
27	13000	54.29	1.40		MS(H)225S-4	
31	11200	46.79	1.60		MS(H)225S-4	
39	9140	38.02	1.95		MS(H)225S-4	
47	7520	31.30	2.4		MS(H)225S-4	
23	15000	62.60	0.85	KC127 KCF127 KCA127 KCAF127	MS(H)225S-4	
27	13000	54.07	1.00		MS(H)225S-4	
31	11500	47.82	1.15		MS(H)225S-4	
37	9660	40.19	1.35		MS(H)225S-4	
41	8710	36.25	1.50	KC127 KCF127 KCA127 KCAF127	MS(H)225S-4	
47	7540	31.37	1.70		MS(H)225S-4	
53	6650	27.68	1.95		MS(H)225S-4	
62	5740	23.91	2.3		MS(H)225S-4	
70	5080	21.15	2.6		MS(H)225S-4	
83	4270	17.77	3.0		MS(H)225S-4	
102	3450	14.35	3.5		MS(H)225S-4	
115	3070	12.79	2.8		MS(H)225S-4	
137	2580	10.74	3.1		MS(H)225S-4	
169	2090	8.68	3.5	MS(H)225S-4		
40	8890	37.00*	0.80	KC107 KCF107 KCA107 KCAF107	MS(H)225S-4	
47	7520	31.28*	0.90		MS(H)225S-4	
51	6970	29	1.05		MS(H)225S-4	
56	6320	26.32	1.15		MS(H)225S-4	
65	5440	22.62	1.35		MS(H)225S-4	
74	4740	19.74	1.50		MS(H)225S-4	
88	4020	16.75	1.75		MS(H)225S-4	
100	3520	14.64	1.95		MS(H)225S-4	
109	3230	13.43	1.35		MS(H)225S-4	
125	2820	11.73	1.55		MS(H)225S-4	
148	2390	9.94	1.75		MS(H)225S-4	
169	2090	8.69	1.95		MS(H)225S-4	
45kW						
6.6	60700	221	0.80		KC187RC107 KCH187RC107	MS(H)225M-4
7.6	53000	193	0.95	MS(H)225M-4		
9	44800	163	1.10	MS(H)225M-4		
11	37100	135	0.85	KC167RC107 KCH167RC107	MS(H)225M-4	
12	32400	118	1.00		MS(H)225M-4	
8.2	52600	179.86	0.95	KC187 KCH187	MS(H)225M-4	
8.9	48300	165.21	1.05		MS(H)225M-4	
10	42300	144.59	1.20		MS(H)225M-4	
11	37900	129.69	1.30		MS(H)225M-4	
13	32900	112.60	1.50		MS(H)225M-4	
14	39900	102.16	1.65		MS(H)225M-4	
17	25700	88.0	1.95		MS(H)225M-4	
20	21600	73.96	2.3		MS(H)225M-4	
13	31200	109.83	1.00	KC167 KCH167	MS(H)225M-4	
17	25700	87.86	1.25		MS(H)225M-4	
19	22800	78.14	1.40		MS(H)225M-4	
22	19900	68.07	1.60		MS(H)225M-4	
24	17800	60.74	1.80		MS(H)225M-4	
28	15100	51.77	2.1		MS(H)225M-4	
34	12500	42.89	2.6	KC157 KCF157 KCA157 KCAF157	MS(H)225M-4	
21	20600	70.38	0.85		MS(H)225M-4	
24	17800	61.02	1.00		MS(H)225M-4	
27	15900	54.29	1.15		MS(H)225M-4	
31	13700	46.79	1.30		MS(H)225M-4	
39	11100	38.02	1.60		MS(H)225M-4	
47	9150	31.30	1.95		MS(H)225M-4	
53	8080	27.62	2.2	MS(H)225M-4		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
45kW					
61	7000	39.95	2.6	KC157	MS(H)225M-4
69	6230	21.31	2.9	KCF157	MS(H)225M-4
80	5370	18.37	3.4	KCA157	MS(H)225M-4
				KCAF157	MS(H)225M-4
31	14000	47.82	0.95	KC127	MS(H)225M-4
37	11700	40.19	1.10	KCF127	MS(H)225M-4
41	10600	36.25	1.25	KCA127	MS(H)225M-4
				KCAF127	MS(H)225M-4
47	9170	31.37	1.40	KC127 KCF127 KCA127 KCAF127	MS(H)225M-4
53	8090	27.68	1.60		MS(H)225M-4
62	6990	23.91	1.85		MS(H)225M-4
70	6180	21.15	2.1		MS(H)225M-4
83	5190	17.77	2.5		MS(H)225M-4
102	4190	14.35	2.9		MS(H)225M-4
115	3740	12.79	2.3		MS(H)225M-4
137	3140	10.74	2.6		MS(H)225M-4
169	2540	6.68	2.9		
51	8480	29.00	0.85	KC107	MS(H)225M-4
56	7690	26.30	0.95	KCF107	MS(H)225M-4
65	6610	22.62	1.10	KCA107	MS(H)225M-4
74	5770	19.74	1.25	KCAF107	MS(H)225M-4
88	4980	16.75	1.45	KC107 KCF107 KCA107 KCAF107	MS(H)225M-4
100	4280	14.64	1.60		MS(H)225M-4
109	3930	13.43	1.10		MS(H)225M-4
125	3430	11.73	1.25		MS(H)225M-4
148	2910	9.94	1.45		MS(H)225M-4
169	2540	8.69	1.60		MS(H)225M-4
55kW					
10	51500	144.59	0.95	KC187 KCH187	MS(H)250M-4
11	46200	129.69	1.10		MS(H)250M-4
13	40100	112.60	1.25		MS(H)250M-4
14	36400	102.16	1.35		MS(H)250M-4
17	31300	88.00	1.60		MS(H)250M-4
20	26300	73.96	1.90		MS(H)250M-4
23	22800	64.04	2.2	KC167 KCH167	MS(H)250M-4
17	31300	87.86	1.00		MS(H)250M-4
19	27800	78.14	1.15		MS(H)250M-4
22	24200	68.07	1.30		MS(H)250M-4
24	21600	60.74	1.50		MS(H)250M-4
28	18400	51.77	1.75		MS(H)250M-4
34	15300	42.89	2.1		MS(H)250M-4
40	13000	36.61	2.5		MS(H)250M-4
24	21700	61.02	0.85	KC157 KCF157 KCA157 KCAF157	MS(H)250M-4
27	19300	54.29	0.95		MS(H)250M-4
32	16700	46.79	1.10		MS(H)250M-4
39	13500	38.02	1.35		MS(H)250M-4
47	11100	31.30	1.60		MS(H)250M-4
53	9840	27.62	1.85		MS(H)250M-4
62	8530	23.95	2.1		MS(H)250M-4
69	7590	21.31	2.4		MS(H)250M-4
80	6540	18.37	2.8		MS(H)250M-4
99	5310	14.92	3.4		MS(H)250M-4
117	4510	12.56	3.8		MS(H)250M-4
37	14300	40.19	0.90	KC127	MS(H)250M-4
47	11200	31.37	1.15	KCF127	MS(H)250M-4
53	9850	27.68	1.30	KCA127	MS(H)250M-4
				KCAF127	MS(H)250M-4
62	8510	23.91	1.55	KC127 KCF127 KCA127 KCAF127	MS(H)250M-4
70	7530	21.15	1.75		MS(H)250M-4
83	6330	17.77	2.1		MS(H)250M-4
103	5110	14.35	2.4		MS(H)250M-4
115	4550	12.79	1.85		MS(H)250M-4
137	3830	10.74	2.1		MS(H)250M-4
170	3090	8.68	2.3		MS(H)250M-4
75kW					
11	92800	129.69	0.80	KC187 KCH187	MS(H)280S-4
13	54500	112.60	0.90		MS(H)280S-4
14	49400	102.16	1.00		MS(H)280S-4
17	42600	88.00	1.15		MS(H)280S-4
20	35800	73.96	1.40		MS(H)280S-4
23	31000	64.04	1.60		MS(H)280S-4
28	25800	53.36	1.95		MS(H)280S-4
33	22000	45.50*	2.3		MS(H)280S-4
19	37800	78.14	0.85	KC167 KCH167	MS(H)280S-4
22	32900	68.07	0.95		MS(H)280S-4
24	29400	60.74	1.10		MS(H)280S-4
29	25100	51.77	1.30		MS(H)280S-4
35	20800	42.89	1.55		MS(H)280S-4
40	17700	36.61	1.80		MS(H)280S-4
46	15600	32.25	2.1		MS(H)280S-4
51	13900	28.77	2.3		MS(H)280S-4
60	11900	24.52	2.7		MS(H)280S-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
75kW					
39	18400	38.02	1.00	KC157 KCF157 KCA157 KCAF157	MS(H)280S-4
47	15100	31.30	1.20		MS(H)280S-4
54	13400	27.62	1.35		MS(H)280S-4
62	11600	23.95	1.55		MS(H)280S-4
69	10300	21.31	1.75		MS(H)280S-4
81	8890	18.37	2.0		MS(H)280S-4
99	7220	14.92	2.5		MS(H)280S-4
117	6120	12.65	2.8		MS(H)280S-4
47	15200	31.37	0.85	KC127 KCF127 KCA127 KCAF127	MS(H)280S-4
53	13400	27.68	0.95		MS(H)280S-4
62	11600	23.91	1.10		MS(H)280S-4
70	10200	21.15	1.25		MS(H)280S-4
83	8600	17.77	1.50		MS(H)280S-4
103	69400	14.35	1.75		MS(H)280S-4
116	6190	12.79	1.40		MS(H)280S-4
138	5200	10.74	1.55		MS(H)280S-4
171	4200	8.68	1.70	MS(H)280S-4	
90kW					
14	59300	102.16	0.85	KC187 KCH187	MS(H)280M-4
17	51100	88.00	1.00		MS(H)280M-4
20	42900	73.96	1.15		MS(H)280M-4
23	37200	64.04	1.35		MS(H)280M-4
28	31000	53.36	1.60		MS(H)280M-4
33	26400	45.50*	1.90		MS(H)280M-4
35	24700	45.51	2.0		MS(H)280M-4
38	22400	38.57	2.2		MS(H)280M-4
22	39500	68.07	0.80	KC167 KCH167	MS(H)280M-4
24	35300	60.74	0.90		MS(H)280M-4
29	30100	51.77	1.05		MS(H)280M-4
35	24900	42.89	1.30		MS(H)280M-4
40	21300	36.61	1.50		MS(H)280M-4
46	18700	32.25	1.70		MS(H)280M-4
51	16700	28.77	1.90		MS(H)280M-4
60	14200	24.52	2.3		MS(H)280M-4
73	11800	20.32	2.7	KC157 KCF157 KCA157 KCAF157	MS(H)280M-4
85	10100	17.34	3.2		MS(H)280M-4
39	22100	38.02	0.80		MS(H)280M-4
47	18200	31.30	1.00		MS(H)280M-4
54	16000	27.62	1.10		MS(H)280M-4
62	13900	23.95	1.30		MS(H)280M-4
69	12400	21.31	1.45		MS(H)280M-4
81	10700	18.37	1.70		MS(H)280M-4
99	8670	14.92	2.1	KC127 KCF127 KCA127 KCAF127	MS(H)280M-4
117	7350	12.65	2.3		MS(H)280M-4
62	13900	23.91	0.95		MS(H)280M-4
70	12300	21.55	1.05		MS(H)280M-4
83	10300	17.77	1.25		MS(H)280M-4
103	8330	14.35	1.45		MS(H)280M-4
116	7420	12.79	1.15		MS(H)280M-4
138	6240	10.47	1.30		MS(H)280M-4
171	5040	8.86	1.45	MS(H)280M-4	
110kW					
17	62300	88.00	0.80	KC187 KCH187	MS(H)315S-4
20	52300	73.69	0.95		MS(H)315S-4
23	45300	64.04	1.10		MS(H)315S-4
28	37700	53.36	1.30		MS(H)315S-4
33	32200	45.50*	1.55		MS(H)315S-4
35	30100	42.51	1.65		MS(H)315S-4
39	27300	38.57	1.85		MS(H)315S-4
45	23500	33.23	2.1		MS(H)315S-4
53	19800	27.92	2.5	KC167 KCH167	MS(H)315S-4
29	36600	51.77	0.85		MS(H)315S-4
35	30300	42.89	1.05		MS(H)315S-4
41	25900	36.61	1.25		MS(H)315S-4
46	22800	32.25	1.40		MS(H)315S-4
52	20400	28.77	1.55		MS(H)315S-4
61	17300	24.52	1.85		MS(H)315S-4
73	14400	20.32	2.2		MS(H)315S-4
86	12300	17.34	2.6	KC157 KCF157 KCA157 KCAF157	MS(H)315S-4
62	16900	23.95	1.05		MS(H)315S-4
70	15100	21.31	1.20		MS(H)315S-4
81	13000	18.37	1.40		MS(H)315S-4
100	10600	14.92	1.70		MS(H)315S-4
117	8950	12.65	1.90		MS(H)315S-4
132kW					
20	62800	73.96	0.80	KC187 KCH187	MS(H)315M1-4
23	54400	64.04	0.90		MS(H)315M1-4
28	45300	53.36	1.10		MS(H)315M1-4
33	38600	45.50*	1.30		MS(H)315M1-4
35	36100	42.51	1.40		MS(H)315M1-4
39	32700	38.57	1.55		MS(H)315M1-4

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
132kW					
39	32700	38.57	1.55	KC187 KCH187	MS(H)315M1-4 MS(H)315M1-4
45	28200	33.23	1.75		
53	23700	27.92	2.1		
61	20500	24.18	2.3		
74	17100	20.15	2.6		
86	14600	17.18	2.8		
35	36400	42.89	0.90	KC187 KCH187	MS(H)315M1-4 MS(H)315M1-4
41	31100	36.61	1.05		
46	27400	32.25	1.15		
52	24400	28.77	1.30		
61	20800	24.52	1.55		
73	17200	20.32	1.85		
86	14700	17.34	2.2	KC157 KCF157 KCA157 KCAF157	MS(H)315M1-4 MS(H)315M1-4 MS(H)315M1-4 MS(H)315M1-4
62	20300	23.91	0.90		
70	18100	21.31	1.00		
81	15600	18.37	1.15		
100	12700	14.92	1.40		
117	10700	12.65	1.60		
160kW					
28	54900	53.36	0.90	KC187 KCH187	MS(H)315M2-4 MS(H)315M2-4
33	46800	45.50*	1.05		
45	34200	33.23	1.45		
53	28700	27.92	1.75		
61	24900	24.18	1.90		
74	20700	20.15	2.1		
86	17700	17.18	2.3	KC167 KCH167	MS(H)315M2-4 MS(H)315M2-4
41	37700	36.61	0.85		
61	25200	24.52	1.25		
73	20900	20.32	1.55		
86	17800	17.34	1.80	KC157 KCF157 KCA157 KCAF157	MS(H)315M2-4 MS(H)315M2-4 MS(H)315M2-4 MS(H)315M2-4
81	18900	18.37	0.95		
100	15400	14.92	1.15		
117	13000	12.65	1.30		

n2 1/min	M2 (Nm)	I	K	Grandezza Frame size	Motore Motor
200kW					
33	58500	45.50*	0.85	KC187 KCH187	MS(H)355M1-4 MS(H)355M1-4
45	42700	33.23	1.15		
53	35900	27.92	1.40		
61	31100	24.18	1.55		
74	25900	20.15	1.70		
86	22100	17.18	1.85	KC167 KCH167	MS(H)355M1-4 MS(H)355M1-4
61	31500	24.52	1.00		
73	26100	20.32	1.20		
86	22300	17.34	1.45	KC157 KCF157 KCA157 KCAF157	MS(H)315M1-4 MS(H)315M1-4 MS(H)315M1-4 MS(H)315M1-4
100	19200	14.92	0.95		
117	16300	12.65	1.05		

KC..RC..MS.. Tabelle prestazioni - Performance parameter

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
200Nm				
0.20	6832	5640	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.23	5922	5640		
0.25	5491	5640		
0.29	4759	5640		
0.33	4160	5640		
0.38	3645	5640		
0.43	3205	5640		
0.49	2801	5640		
0.56	2454	5640		
0.64	2166	5640		
0.73	1891	5640		
0.83	1660	5640		
0.94	1466	5640	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
1.1	1288	5640		
1.2	1136	5640		
1.4	996	5640		
1.6	876	5640		
1.8	761	5640		
2.1	671	5640		
2.4	585	5640		
2.7	512	5640	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324
3.1	451	5640		
3.5	396	5640		
4.0	346	5640		
4.3	304	5640	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
4.9	267	5640		
5.7	234	5640		
6.4	205	5640		
7.2	181	5640	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
8.1	160	5640		
9.5	136	5640		
10	127	5640		
12	110	5640	KC37RC17 KCF37RC17 KCA37RC17 KCAF37RC17	MS(H)8014 MS(H)8014
14	96	5640		

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
400Nm				
0.14	10138	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.16	8534	5920		
0.18	7662	5920		
0.20	6826	5920		
0.23	5983	5920		
0.27	5159	5920		
0.30	4601	5920		
0.35	3940	5920		
0.40	3477	5920		
0.45	3043	5920		
0.51	2733	5920		
0.59	2354	5920		
0.67	2063	5920		
0.76	1819	5920		
0.87	1586	5920		
0.99	1388	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
1.1	1222	5920		
1.3	1097	5920		
1.5	945	5920		
1.7	831	5920		
1.9	718	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324
2.2	639	5920		
2.4	552	5920		
2.7	496	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
3.1	426	5920		
3.5	375	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
4.0	327	5920		
4.5	289	5920		
5.4	256	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
6.2	225	5920		
7.0	198	5920		
8.0	171	5920	KC47RC37 KCF47RC37 KCA47RC37 KCAF47RC37	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
8.9	153	5920		
10	131	5920		

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
600Nm				
0.11	12169	7630	KC57RC37 KCF57RC37 KCA57RC37 KCAF57RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.12	11162	7630		
0.15	9503	7630		
0.16	8547	7630		
0.19	7277	7630		
0.21	6478	7630		
0.24	5662	7630		
0.27	5033	7630		
0.32	4340	7630		
0.36	3855	7630		
0.41	3390	7630		
0.47	2924	7630		
0.53	2593	7630		
0.61	2249	7630		
0.70	1986	7630		
0.79	1743	7630	KC57RC37	MS(H)6314
0.90	1539	7630	KCF57RC37	MS(H)6314
1.0	1354	7630	KCA57RC37	MS(H)6314
1.2	1174	7630	KCAF57RC37	MS(H)6314
1.3	1036	7630		
1.5	906	7630	KC57RC37	MS(H)6324
1.6	806	7630	KCF57RC37	MS(H)6324
1.9	699	7630	KCA57RC37	MS(H)6324
2.1	615	7630	KCAF57RC37	MS(H)6324
2.4	544	7630	KC57RC37	MS(H)7114
2.8	473	7630	KCF57RC37	MS(H)7114
3.1	421	7630	KCA57RC37	MS(H)7114
			KCAF57RC37	MS(H)7114
3.8	362	7630	KC57RC37	MS(H)7124
4.3	319	7630	KCF57RC37	MS(H)7124
4.9	280	7630	KCA57RC37	MS(H)7124
			KCAF57RC37	MS(H)7124
5.5	246	7630	KC57RC37	MS(H)8014
6.3	215	7630	KCF57RC37	MS(H)8014
7.1	192	7630	KCA57RC37	MS(H)8014
			KCAF57RC37	MS(H)8014
8.3	166	7630	KC57RC37	MS(H)8024
9.6	145	7630	KCF57RC37	MS(H)8024
11	129	7630	KCA57RC37	MS(H)8024
			KCAF57RC37	MS(H)8024
13	111	7630	KC57RC37	MS(H)90S-4
14	97	7630	KCF57RC37	MS(H)90S-4
			KCA57RC37	MS(H)90S-4
			KCAF57RC37	MS(H)90S-4
820Nm				
0.11	12139	10300	KC67RC37 KCF67RC37 KCA67RC37 KCAF67RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.12	11134	10300		
0.15	9479	10300		
0.17	8173	10300		
0.19	7259	10300		
0.21	4662	10300		
0.24	5648	10300		
0.28	4846	10300		
0.32	4329	10300		
0.37	3750	10300		
0.42	3315	10300		
0.47	2917	10300		
0.55	2532	10300		
0.62	2244	10300		
0.70	1981	10300		
0.79	1793	10300	KC67RC37	MS(H)6314
0.90	1535	10300	KCF67RC37	MS(H)6314
1.00	1351	10300	KCA67RC37	MS(H)6314
			KCAF67RC37	MS(H)6314
1.1	1171	10300	KC67RC37	MS(H)6324
1.3	1034	10300	KCF67RC37	MS(H)6324
1.5	903	10300	KCA67RC37	MS(H)6324
1.7	793	10300	KCAF67RC37	MS(H)6324
1.9	697	10300	KC67RC37	MS(H)7114
2.1	613	10300	KCF67RC37	MS(H)7114
2.4	542	10300	KCA67RC37	MS(H)7114
			KCAF67RC37	MS(H)7114
2.9	471	10300	KC67RC37	MS(H)7124
3.3	420	10300	KCF67RC37	MS(H)7124
			KCA67RC37	MS(H)7124
			KCAF67RC37	MS(H)7124
3.8	361	10300	KC67RC37	MS(H)8014
4.2	323	10300	KCF67RC37	MS(H)8014
4.9	279	10300	KCA67RC37	MS(H)8014
5.5	246	10300	KCAF67RC37	MS(H)8014
6.4	217	10300	KC67RC37	MS(H)8024
7.2	191	10300	KCF67RC37	MS(H)8024
			KCA67RC37	MS(H)8024
			KCAF67RC37	MS(H)8024

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor				
1550Nm								
0.09 0.10 0.12 0.14 0.16 0.18 0.21 0.24 0.27 0.31 0.35 0.40 0.48 0.51	15310 14043 11955 10217 8809 7528 6606 5774 5089 4489 3961 3485 2901 2717	15400 15400 15400 15400 15400 15400 15400 15400 15400 15400 15400 15400 15400 15400	KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314				
0.56	2730	15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324		
0.64 0.75 0.87	2050 1772 1504	15400 15400 15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324		
0.94 1.1 1.2	1388 1218 1053	15400 15400 15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114		
1.5 1.7 1.9	924 815 709	15400 15400 15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124		
2.2 2.5 2.8	622 552 485	15400 15400 15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014		
3.2 3.8	428 367	15400 15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024		
4.3 4.8 5.5	328 290 252	15400 15400 15400			KC77RC37 KCF77RC37 KCA77RC37 KCAF77RC37	MS(H)90S-4 MS(H)90S-4 MS(H)90S-4 MS(H)90S-4		
2700Nm								
0.09 0.10 0.12 0.14 0.15 0.18 0.20 0.23 0.26 0.30	14829 13168 11737 10217 9073 7854 6832 5930 5240 4562	27300 27300 27300 27300 27300 27300 27300 27300 27300 27300			KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314		
0.33 0.37 0.42 0.48	4037 3607 3107 2728	27300 27300 27300 27300					KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)6324 MS(H)6324 MS(H)6324 MS(H)6324
0.55	2371	27300					KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
0.62 0.70	2088 1854	27300 27300					KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)7114 MS(H)7114 MS(H)7114 MS(H)7114
0.83 0.97 1.1	165 1415 1229	27300 27300 27300					KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)7124 MS(H)7124 MS(H)7124 MS(H)7124
1.3 1.4 1.6	1078 951 837	27300 27300 27300	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014				
1.9 2.2	726 638	27300 27300	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)8024 MS(H)8024 MS(H)8024 MS(H)8024				
2.5 3.0 3.3	562 474 426	27300 27300 27300	KC87RC57 KCF87RC57 KCA87RC57 KCAF87RC57	MS(H)90S-4 MS(H)90S-4 MS(H)90S-4 MS(H)90S-4				

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
2700Nm				
3.8	373	27300	KC87RC57	MS(H)90L-4
4.3	330	27300	KCF87RC57	MS(H)90L-4
4.8	294	27300	KCA87RC57	MS(H)90L-4
			KCAF87RC57	MS(H)90L-4
5.6	250	27300	KC87RC57	MS(H)100L1-4
6.0	236	27300	KCF87RC57	MS(H)100L1-4
7.0	201	27300	KCA87RC57	MS(H)100L1-4
			KCAF87RC57	MS(H)100L1-4
4300Nm				
0.08	18091	40000	KC97RC57 KCF97RC57 KCA97RC57 KCAF97RC57	MS(H)6314 MS(H)6314 MS(H)6314 MS(H)6314
0.08	16666	40000		
0.09	14897	40000		
0.10	13182	40000		
0.12	11677	40000		
0.13	10317	40000		
0.15	9083	40000		
0.17	8054	40000		
0.20	6970	40000		
0.22	6027	40000		
0.24	5391	40000	KC97RC57	MS(H)6324
0.28	4669	40000	KCF97RC57	MS(H)6324
0.32	4082	40000	KCA97RC57	MS(H)6324
			KCAF97RC57	MS(H)6324
0.36	2419	40000	KC97RC57	MS(H)7114
0.42	2123	40000	KCF97RC57	MS(H)7114
			KCA97RC57	MS(H)7114
			KCAF97RC57	MS(H)7114
0.50	2757	40000	KC97RC57	MS(H)7114
			KCF97RC57	MS(H)7114
			KCA97RC57	MS(H)7114
			KCAF97RC57	MS(H)7114
0.57	2419	40000	KC97RC57	MS(H)7124
0.65	2123	40000	KCF97RC57	MS(H)7124
			KCA97RC57	MS(H)7124
			KCAF97RC57	MS(H)7124
0.73	1856	40000	KC97RC57	MS(H)8014
0.84	1625	40000	KCF97RC57	MS(H)8014
0.95	1430	40000	KCA97RC57	MS(H)8014
1.1	1261	40000	KCAF97RC57	MS(H)8014
1.2	1102	40000	KC97RC57	MS(H)8024
1.4	957	40000	KCF97RC57	MS(H)8024
			KCA97RC57	MS(H)8024
			KCAF97RC57	MS(H)8024
1.6	855	40000	KC97RC57	MS(H)90S-4
1.9	743	40000	KCF97RC57	MS(H)90S-4
2.1	652	40000	KCA97RC57	MS(H)90S-4
			KCAF97RC57	MS(H)90S-4
2.5	573	40000	KC97RC57	MS(H)90L-4
2.8	504	40000	KCF97RC57	MS(H)90L-4
			KCA97RC57	MS(H)90L-4
			KCAF97RC57	MS(H)90L-4
3.2	437	40000	KC97RC57	MS(H)100L1-4
3.7	382	40000	KCF97RC57	MS(H)100L1-4
4.1	342	40000	KCA97RC57	MS(H)100L1-4
			KCAF97RC57	MS(H)100L1-4
4.6	305	40000	KC97RC57	MS(H)100L2-4
5.4	258	40000	KCF97RC57	MS(H)100L2-4
6.0	232	40000	KCA97RC57	MS(H)100L2-4
			KCAF97RC57	MS(H)100L2-4
7.1	199	40000	KC97RC57	MS(H)112M-4
			KCF97RC57	MS(H)112M-4
			KCA97RC57	MS(H)112M-4
			KCAF97RC57	MS(H)112M-4
8000Nm				
0.10	14311	65000	KC107RC57	MS(H)6314
0.11	12211	65000	KCF107RC57	MS(H)6314
			KCA107RC57	MS(H)6314
			KCAF107RC57	MS(H)6314
0.12	10677	65000	KC107RC57	MS(H)6324
0.14	9524	65000	KCF107RC57	MS(H)6324
0.16	8328	65000	KCA107RC57	MS(H)6324
			KCAF107RC57	MS(H)6324
0.18	7270	65000	KC107RC57	MS(H)7114
0.21	6184	65000	KCF107RC57	MS(H)7114
0.23	5662	65000	KCA107RC57	MS(H)7114
			KCAF107RC57	MS(H)7114
0.27	5138	65000	KC107RC57	MS(H)7124
0.32	4359	65000	KCF107RC57	MS(H)7124
0.36	3810	65000	KCA107RC57	MS(H)7124
			KCAF107RC57	MS(H)7124

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
8000Nm				
0.41	3358	65000	KC107RC57	MS(H)8014
0.46	2977	65000	KCF107RC57	MS(H)8014
0.52	2599	65000	KCA107RC57	MS(H)8014
			KCAF107RC57	MS(H)8014
0.60	2286	65000	KC107RC57	MS(H)8024
0.71	1939	65000	KCF107RC57	MS(H)8024
			KCA107RC57	MS(H)8024
			KCAF107RC57	MS(H)8024
0.82	1713	65000	KC107RC57	MS(H)90S-4
0.90	1554	65000	KCF107RC57	MS(H)90S-4
1.1	1336	65000	KCA107RC57	MS(H)90S-4
			KCAF107RC57	MS(H)90S-4
1.2	1166	65000	KC107RC57	MS(H)90L-4
1.4	1030	65000	KCF107RC57	MS(H)90L-4
1.6	904	65000	KCA107RC57	MS(H)90L-4
			KCAF107RC57	MS(H)90L-4
1.8	793	65000	KC107RC57	MS(H)100L1-4
2.0	696	65000	KCF107RC57	MS(H)100L1-4
2.3	615	65000	KCA107RC57	MS(H)100L1-4
			KCAF107RC57	MS(H)100L1-4
2.7	522	65000	KC107RC57	MS(H)100L2-4
3.0	461	65000	KCF107RC57	MS(H)100L2-4
			KCA107RC57	MS(H)100L2-4
			KCAF107RC57	MS(H)100L2-4
3.5	408	65000	KC107RC57	MS(H)112M-4
3.9	364	65000	KCF107RC57	MS(H)112M-4
			KCA107RC57	MS(H)112M-4
			KCAF107RC57	MS(H)112M-4
4.5	318	65000	KC107RC57	MS(H)132S-4
5.0	286	65000	KCF107RC57	MS(H)132S-4
5.7	251	65000	KCA107RC57	MS(H)132S-4
			KCAF107RC57	MS(H)132S-4
13000Nm				
0.08	0.08	79200	KC127RC77	MS(H)6324
0.08	0.08	79200	KCF127RC77	MS(H)6324
0.09	0.09	79200	KCA127RC77	MS(H)6324
0.11	0.11	79200	KCAF127RC77	MS(H)6324
0.12	10915	79200	KC127RC77	MS(H)7114
0.13	9819	79200	KCF127RC77	MS(H)7114
			KCA127RC77	MS(H)7114
			KCAF127RC77	MS(H)7114
0.16	8443	79200	KC127RC77	MS(H)7124
0.18	7482	79200	KCF127RC77	MS(H)7124
0.21	6565	79200	KCA127RC77	MS(H)7124
			KCAF127RC77	MS(H)7124
0.23	5804	79200	KC127RC77	MS(H)8014
0.27	5027	79200	KCF127RC77	MS(H)8014
0.31	4423	79200	KCA127RC77	MS(H)8014
0.35	3889	79200	KCAF127RC77	MS(H)8014
0.42	3311	79200	KC127RC77	MS(H)8024
0.46	3009	79200	KCF127RC77	MS(H)8024
			KCA127RC77	MS(H)8024
			KCAF127RC77	MS(H)8024
0.54	2607	79200	KC127RC77	MS(H)90S-4
0.62	2268	79200	KCF127RC77	MS(H)90S-4
			KCA127RC77	MS(H)90S-4
			KCAF127RC77	MS(H)90S-4
0.73	1926	79200	KC127RC77	MS(H)90S-4
			KCF127RC77	MS(H)90S-4
			KCA127RC77	MS(H)90S-4
			KCAF127RC77	MS(H)90S-4
0.80	1757	79200	KC127RC77	MS(H)90L-4
0.91	1541	79200	KCF127RC77	MS(H)90L-4
			KCA127RC77	MS(H)90L-4
			KCAF127RC77	MS(H)90L-4
1.1	1342	79200	KC127RC77	MS(H)100L1-4
1.2	1177	79200	KCF127RC77	MS(H)100L1-4
1.4	1025	79200	KCA127RC77	MS(H)100L1-4
			KCAF127RC77	MS(H)100L1-4
1.6	899	79200	KC127RC77	MS(H)100L2-4
1.8	790	79200	KCF127RC77	MS(H)100L2-4
2.0	704	79200	KCA127RC77	MS(H)100L2-4
			KCAF127RC77	MS(H)100L2-4
2.3	610	79200	KC127RC77	MS(H)112M-4
2.6	549	79200	KCF127RC77	MS(H)112M-4
			KCA127RC77	MS(H)112M-4
			KCAF127RC77	MS(H)112M-4

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
13000Nm				
3.0 3.4	477 418	79200 79200	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)132S-4 MS(H)132S-4 MS(H)132S-4 MS(H)132S-4
2.6	536	79200	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)112M-4 MS(H)112M-4 MS(H)112M-4 MS(H)112M-4
3.0 3.4	473 418	79200 79200	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)132S-4 MS(H)132S-4 MS(H)132S-4 MS(H)132S-4
3.9 4.3 5.0	367 330 287	79200 79200 79200	KC127RC77 KCF127RC77 KCA127RC77 KCAF127RC77	MS(H)132M-4 MS(H)132M-4 MS(H)132M-4 MS(H)132M-4
18000Nm				
0.08 0.09 0.09 0.10 0.12 0.13 0.16 0.18	17679 15729 14721 13097 11368 10114 8718 7734	112200 112200 112200 112200 112200 112200 112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)8014 MS(H)8014 MS(H)8014 MS(H)8014
0.28 0.31 0.35 0.40 0.46	5074 4514 3979 3516 3051	112200 112200 112200 112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)90S-4 MS(H)90S-4 MS(H)90S-4 MS(H)90S-4
0.54 0.61	2610 2322	112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)90L-4 MS(H)90L-4 MS(H)90L-4 MS(H)90L-4
0.70 0.78	2029 1805	112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
0.85 1.0	1659 1365	112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4 MS(H)100L1-4
1.1 1.3	1229 1093	112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4 MS(H)100L2-4
1.5 1.7 1.9	942 854 756	112200 112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)112M-4 MS(H)112M-4 MS(H)112M-4 MS(H)112M-4
2.2 2.5	661 567	112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)132S-4 MS(H)132S-4 MS(H)132S-4 MS(H)132S-4
2.8 3.3	504 434	112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)132M-4 MS(H)132M-4 MS(H)132M-4 MS(H)132M-4
5.0	291	112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
4.8	299	112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)160M-4 MS(H)160M-4 MS(H)160M-4 MS(H)160M-4
5.8 6.3 6.9	253 230 213	112200 112200 112200	KC157RC97 KCF157RC97 KCA157RC97 KCAF157RC97	MS(H)160L-4 MS(H)160L-4 MS(H)160L-4 MS(H)160L-4
0.07 0.08 0.09 0.10 0.12 0.13	19723 17406 15000 13238 11573 10264	150000 150000 150000 150000 150000 150000	KC167RC97 KCH167RC97	MS(H)8014 MS(H)8014
0.16	8628	150000	KC167RC97 KCH167RC97	MS(H)8014 MS(H)8014
0.21 0.26	6562 5355	150000 150000	KC167RC97 KCH167RC97	MS(H)90S-4 MS(H)90S-4

n2 1/min	I	FR (N)	Grandezza Frame size	Motore Motor
32000Nm				
0.29 0.35	4788 4079	150000 150000	KC167RC97 KCH167RC97	MS(H)90L-4 MS(H)90L-4
0.42 0.51	3376 2755	150000 150000	KC167RC97 KCH167RC97	MS(H)100L1-4 MS(H)100L1-4
0.62	2263	150000	KC167RC97 KCH167RC97	MS(H)100L2-4 MS(H)100L2-4
0.64	2182	150000	KC167RC97 KCH167RC97	MS(H)100L2-4 MS(H)100L2-4
0.83 1.0	1704 1408	150000 150000	KC167RC97 KCH167RC97	MS(H)112M-4 MS(H)112M-4
1.1 1.3	1296 1101	150000 150000	KC167RC97 KCH167RC97	MS(H)132S-4 MS(H)132S-4
1.5 1.7 1.9	944 843 757	150000 150000 150000	KC167RC97 KCH167RC97	MS(H)132M-4 MS(H)132M-4
2.6 3.0	561 481	150000 150000	KC167RC97 KCH167RC97	MS(H)160M-4 MS(H)160M-4
3.5 4.0	423 369	150000 150000	KC167RC97 KCH167RC97	MS(H)160L-4 MS(H)160L-4
4.6	318	150000	KC167RC97 KCH167RC97	MS(H)180M-4 MS(H)180M-4
5.3 6.0	278 244	150000 150000	KC167RC97 KCH167RC97	MS(H)180L-4 MS(H)180L-4
6.9 7.1 8.2	213 206 180	150000 150000 150000	KC167RC97 KCH167RC97	MS(H)200L-4 MS(H)200L-4
9.2	160	150000	KC167RC97 KCH167RC97	MS(H)225S-4 MS(H)225S-4
11 12	135 118	150000 150000	KC167RC97 KCH167RC97	MS(H)225M-4 MS(H)225M-4
50000Nm				
0.04 0.05 0.06 0.07 0.08	32625 27165 24353 19144 16978	189900 189900 189900 189900 189900	KC187RC97 KCH187RC97	MS(H)8014 MS(H)8014
0.10 0.11 0.12	14272 13116 11647	189900 189900 189900	KC187RC97 KCH187RC97	MS(H)8024 MS(H)8024
1.13 0.15 0.17	10113 8363 8126	189900 189900 189900	KC187RC97 KCH187RC97	MS(H)90S-4 MS(H)90S-4
0.19 0.21 0.24	7343 6747 5991	189900 189900 189900	KC187RC97 KCH187RC97	MS(H)90L-4 MS(H)90L-4
0.26 0.29 0.32	5358 4817 4370	189900 189900 189900	KC187RC97 KCH187RC97	MS(H)100L2-4 MS(H)100L2-4
0.29 0.46	3609 3062	189900 189900	KC187RC97 KCH187RC97	MS(H)100L2-4 MS(H)100L2-4
0.56 0.63 0.69	2519 2268 2054	189900 189900 189900	KC187RC97 KCH187RC97	MS(H)112M-4 MS(H)112M-4
0.79 0.89	1821 1605	189900 189900	KC187RC97 KCH187RC97	MS(H)132S-4 MS(H)132S-4
1.0 1.2	1395 1196	189900 189900	KC187RC97 KCH187RC97	MS(H)132M-4 MS(H)132M-4
2.0 2.4	738 621	189900 189900	KC187RC97 KCH187RC97	MS(H)160L-4 MS(H)160L-4
2.8	527	189900	KC187RC97 KCH187RC97	MS(H)180M-4 MS(H)180M-4
1.7	835	189900	KC187RC97 KCH187RC97	MS(H)200L-4 MS(H)200L-4
2.0 2.4	729 622	189900 189900	KC187RC97 KCH187RC97	MS(H)160L-4 MS(H)160L-4
2.8 3.2	520 454	189900 189900	KC187RC97 KCH187RC97	MS(H)180M-4 MS(H)180M-4
4.1	355	189900	KC187RC97 KCH187RC97	MS(H)200L-4 MS(H)200L-4
5.6	261	189900	KC187RC97 KCH187RC97	MS(H)225S-4 MS(H)225S-4
6.6 7.6 9.0	221 193 163	189900 189900 189900	KC187RC97 KCH187RC97	MS(H)225M-4 MS(H)225M-4

KC37 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
5,36	261,2	3,70	140,0	63/71/80/90/100	25
6,37	219,8	3,29	142,4	63/71/80/90/100	25
6,80	205,9	3,18	146,2	63/71/80/90/100	25
7,96	175,9	2,81	152,0	63/71/80/90/100	25
8,91	157,1	2,59	161,0	63/71/80/90/100	25
10,49	133,5	2,22	162,0	63/71/80/90/100	25
12,14	115,3	1,89	158,0	63/71/80/90	25
13,08	107,0	1,80	166,7	63/71/80/90/100	25
15,31	91,4	1,68	175,5	63/71/80/90/100	25
17,15	81,6	1,52	180,4	63/71/80/90/100	25
20,19	69,3	1,32	187,2	63/71/80/90/100	25
23,36	59,9	1,22	198,0	63/71/80/90	25
24,99	56,0	1,15	198,4	63/71/80/90	25
28,83	48,6	1,01	199,8	63/71/80	25
29,96	46,7	0,96	200,2	63/71/80/90/100	25
35,57	39,4	0,82	200,2	63/71/80/90/100	25
37,97	36,9	0,77	203,7	63/71/80/90/100	25
44,46	31,5	0,67	205,2	63/71/80/90/100	25
49,79	28,1	0,59	204,8	63/71/80/90/100	25
58,60	23,9	0,52	210,0	63/71/80/90/100	25
67,80	20,6	0,44	208,8	63/71/80/90	25
72,54	19,3	0,41	204,6	63/71/80/90	25
83,69	16,7	0,37	215,0	63/71/80	25
97,81	14,3	0,30	200,0	63/71	25
106,38	13,2	0,28	202,4	63/71	25

KC47 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
5,81	241,0	5,9	232,00	80/90/100	35
6,58	212,8	5,4	243,00	80/90/100	35
7,36	190,2	5	249,20	71/80/90/100	35
8,56	163,6	4,7	271,30	71/80/90/100	35
9,10	153,9	4,5	262,50	71/80/90/100	35
10,56	132,6	3,9	279,50	71/80/90/100	35
11,77	119,0	3,5	276,00	80/90/100	35
12,19	114,9	4,2	350,00	80/90/100	35
13,65	102,6	3,9	364,00	71/80/90/100	35
15,86	88,3	3,5	373,80	71/80/90/100	35
16,86	83,0	3,3	379,50	71/80/90/100	35
19,58	71,5	3	400,00	71/80/90/100	35
21,81	64,2	2,8	406,30	71/80/90/100	35
25,91	54,0	2,3	397,50	71/80/90/100	35
29,32	47,7	2	405,00	71/80/90	35
31,30	44,7	1,9	400,00	71/80/90	35
35,39	39,6	1,7	396,00	80/90/100	35
39,61	35,3	1,5	400,00	71/80/90/100	35
46,03	30,4	1,2	396,00	71/80/90/100	35
48,95	28,6	1,2	395,30	71/80/90/100	35
56,83	24,6	1	398,30	71/80/90/100	35
63,30	22,1	0,9	396,00	71/80/90/100	35
69,84	20,0	0,8	401,50	71/80/90	35
75,20	18,6	0,8	390,00	71/80/90/100	35
85,12	16,4	0,7	396,00	71/80/90	35
90,86	15,4	0,6	402,50	71/80/90	35
104,37	13,4	0,6	405,00	71-80	35
121,48	11,5	0,3	396,00	71,0	35
131,87	10,6	0,3	396,00	71,0	35

KC57 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
6,57	213,1	7,8	348,40	90/100/112	40
7,55	185,4	7,2	369,60	80/90/100/112	40
8,71	160,7	6,6	391,60	80/90/100/112	40
9,59	146,0	6,3	411,60	71/80/90/100/112	40
11,26	124,3	5,4	414,00	71/80/90/100/112	40
13,25	105,7	5,7	513,00	90/100/112	40
15,22	92,0	5,1	527,00	80/90/100/112	40
17,57	79,7	4,7	558,00	80/90/100/112	40
19,34	72,4	4,4	572,80	71/80/90/100/112	40
22,71	61,6	3,9	604,50	71/80/90/100/112	40
24,05	58,2	3,6	588,00	71/80/90/100/112	40
27,34	51,2	3,2	588,00	71/80/90/100/112	40
30,28	46,2	2,85	589,00	71/80/90/100/112	40
35,70	39,2	2,5	609,50	71/80/90	40
38,49	36,4	2,3	603,40	80/90/100/112	40
44,43	31,5	2	594,00	80/90/100/112	40
48,89	28,6	1,8	594,00	71/80/90/100/112	40
57,42	24,4	1,5	602,00	71/80/90/100/112	40
60,81	23,0	1,4	591,50	71/80/90/100/112	40
69,12	20,3	1,3	598,00	71/80/90/100/112	40
76,56	18,3	1,2	603,80	71/80/90/100/112	40
90,26	15,5	1	607,50	71/80/90	40
102,88	13,6	0,8	588,50	71/80/90	40
108,29	12,9	0,8	588,00	71/80/90	40
123,65	11,3	0,7	612,80	71-80	40
145,14	9,6	0,4	592,50	71,0	40

KC67 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
7,28	192,3	8,4	411,60	100/112/132	40
8,37	167,3	7,8	438,80	100/112/132	40
9,66	144,9	7,4	481,00	100/112/132	40
10,63	131,7	7	516,30	100/112/132	40
12,48	112,2	6,4	182,40	100/112/132	40
13,22	105,9	7,6	674,50	100/112/132	40
15,19	92,2	6,8	697,00	100/112/132	40
17,54	79,8	6,2	728,50	100/112/132	40
19,30	72,5	5,8	754,00	100/112/132	40
22,66	61,8	5,2	793,00	100/112/132	40
24,00	58,3	5	806,30	90/100/112/132	40
27,28	51,3	4,4	808,50	90/100/112	40
30,22	46,3	4	810,00	90/100/112	40
35,52	39,4	3,45	828,00	90/100/112	40
38,39	36,5	3,2	815,00	90/100/112	40
44,32	31,6	2,7	810,00	90/100/112	40
48,77	28,7	2,5	816,80	90/100/112	40
57,28	24,4	2,1	812,00	80/90/100/112	40
60,66	23,1	2	830,30	80/90/100/112	40
68,95	20,3	1,7	805,00	80/90/100/112	40
76,37	18,3	1,6	813,80	71/80/90	40
90,04	15,5	1,35	819,00	71/80/90	40
102,62	13,6	0,74	810,00	63/71/80/90	40
108,03	13,0	0,72	828,90	63/71/80/90	40
123,54	11,3	0,63	824,50	63/71/80	40
144,79	9,7	0,53	829,50	63-71	40

KC77 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
7,24	193,4	17,3	839,50	132-160	50
8,48	165,1	15,8	892,50	132-160	50
9,56	146,4	14,6	936,00	132-160	50
10,84	129,2	13,5	981,00	132-160	50
12,36	113,3	12	992,00	132-160	50
13,52	103,6	15	1350,00	132-160	50
15,84	88,4	13,1	1391,20	132-160	50
17,87	78,3	12	1424,00	132-160	50
20,25	69,1	11,3	1515,00	112-132-160	50
23,08	60,7	10,1	1566,00	112-132-160	50
25,62	54,6	9	1536,00	100/112/132	50
29,27	47,8	7,9	1544,00	100/112/132	50
30,89	45,3	7,5	1550,00	100/112/132	50
35,20	39,8	6,6	1567,50	100-112	50
38,39	36,5	5,8	1493,50	100-112	50
40,04	35,0	5,8	1566,00	90/100/112/132	50
45,16	31,0	5,2	1573,00	90/100/112/132	50
51,18	27,4	4,6	1587,00	90/100/112	50
58,34	24,0	4	1570,00	90/100/112	50
64,75	21,6	3,6	1566,00	90/100/112	50
73,99	18,9	3,2	1575,00	90/100/112	50
78,07	19,9	2,9	1550,30	90/100/112	50
88,97	15,7	2,6	1530,00	90/100/112	50
97,05	14,4	2,3	1534,50	80/90/100	50
113,56	12,3	2	1552,50	80/90/100	50
128,52	10,9	1,8	1572,00	80-90	50
135,28	10,3	1,7	1575,50	80-90	50
154,02	9,1	0,9	1554,00	71-80	50
179,37	7,8	0,75	1455,00	71-	50
192,18	7,3	0,7	1456,00	71-	50

KC87 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
7,21	396,1	27,5	1312,50	160-180	60
8,29	168,9	25,3	1391,50	160-180	60
10,00	140,0	23,1	1533,00	160-180	60
11,17	125,3	20,4	1498,50	160-180	60
12,56	111,5	24,2	2024,00	160-180	60
14,45	96,9	22	2100,00	132/160/180	60
16,00	87,5	17,1	1813,50	132-160	60
17,42	80,4	19,3	2222,50	132/160/180	60
19,45	72,0	17,6	2272,00	132/160/180	60
22,41	62,5	15,4	2282,00	132-160	60
24,92	56,2	15,4	2548,00	132-160	60
27,88	50,4	14,3	2639,00	132-160	60
31,39	44,6	13,2	2748,00	132-160	60
36,52	38,3	10,5	2527,00	100/112/132/160	60
44,02	31,8	8,8	2568,00	100/112/132/160	60
49,16	28,5	8	2640,00	100/112/132	60
56,64	24,7	7	2660,00	100/112/132	60
63,00	22,2	6,4	2704,00	100/112/132	60
70,46	19,9	5,6	2660,00	100/112/132	60
79,34	17,6	5	2662,50	100/112/132	60
86,34	16,2	4,6	2668,00	90/100/112/132	60
102,71	13,6	4	2760,00	90/100/112	60
115,82	12,1	3,4	2652,00	90/100/112	60
126,91	11,0	3,2	2730,00	90-100	60
147,32	9,5	1,76	2688,00	90-100	60

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
164,34	8,5	1,6	2726,00	80-90	60
174,19	8,0	1,5	2686,50	80-90	60
197,37	7,1	1,3	2712,50	80-	60

KC97 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
8,71	160,7	46,5	2635,00	160/180/200	70
10,41	134,5	42	2842,00	160/180/200	70
11,99	116,8	49,5	3861,00	160/180/200	70
13,58	103,1	48	4320,00	160/180/200	70
16,56	84,5	40,5	4360,50	160/180/200	70
18,96	73,8	34,5	4243,50	160/180/200	70
22,37	62,6	30	4360,00	160/180/200	70
24,75	56,6	27	4338,00	160/180/200	70
27,91	50,2	23,1	4284,00	132/160/180	70
30,82	45,4	20,9	4275,00	132/160/180	70
34,23	40,9	18,7	4250,00	132-160	70
38,30	36,6	17,1	4324,50	132-160	70
41,87	33,4	15,4	4270,00	132/160/180	70
47,93	29,2	13,8	4375,00	132-160	70
56,55	24,8	11,6	4336,50	100/112/132/160	70
62,55	22,4	10,5	4332,00	100/112/132/160	70
70,54	19,8	9,4	4377,50	100/112/132/160	70
77,89	18,0	8,4	4410,00	100/112/132	70
86,52	16,2	7,4	4310,50	100/112/132	70
96,80	14,5	6,6	4290,00	100/112/132	70
105,13	13,3	6	4245,00	100/112/132	70
123,93	11,3	5,2	4329,00	90/100/112/132	70
140,28	10,0	4,6	4335,50	90/100/112	70
153,21	9,1	4,2	4326,00	90/100/112	70
176,06	8,0	3,6	4320,00	90-100	70

KC107 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
8,69	161,1	72	4064,00	180/200/225	90
9,94	140,8	63,8	4147,00	180/200/225	90
11,73	119,4	57,4	4371,00	180/200/225	90
13,43	104,2	50	5006,50	180/200/225	90
14,64	95,6	72,2	6864,00	180/200/225	90
16,75	83,6	64,8	7035,00	180/200/225	90
19,74	70,9	55,5	7347,00	180/200/225	90
22,62	61,9	50	7344,00	180/200/225	90
26,32	53,2	42,6	7268,00	180/200/225	90
29,00	48,3	38,9	7318,50	180/200/225	90
31,28	44,8	33,3	6768,00	180/200/225	90
37,00	37,8	29,6	7112,00	132/180/200/225	90
42,33	33,1	26,3	7420,00	132/160/180/200	90
49,90	28,1	23,3	7750,00	132/160/180	90
57,17	24,5	21	8008,00	132/160/180	90
66,52	21,0	18	7968,00	132/160/180	90
73,30	19,1	16,5	8074,00	132/160/180	90
82,61	16,9	14,6	8073,00	112/132/160	90
90,96	15,4	13,1	7980,00	112/132/160	90
100,75	13,9	12	8080,00	112/132/160	90
112,41	12,5	10,5	78820,00	112/132/160	90
121,46	11,5	9,8	7904,00	100/112/132	90
143,47	9,8	8,3	7909,00	100/112/132	90

KC127 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
8,68	161,3	126,5	7107,00	225/250/280	100
10,47	133,7	117	8112,00	225/250/280	100
8,68	161,3	126,5	7107,00	225/250/280	100
10,47	133,7	117	8112,00	225/250/280	100
12,79	109,5	103,5	8533,00	225/250/280	100
14,35	200,9	130,5	12078,50	225/250/280	100
17,77	78,8	112,5	12875,00	225/250/280	100
21,55	65,0	94,5	12915,00	225/250/280	100
23,91	58,6	85,5	13205,00	225/250/280	100
27,68	50,6	71,5	12805,00	180/200/225/250	100
31,37	44,6	63,3	12880,00	180/200/225/250	100
40,19	34,8	49,5	12870,00	180/200/225/250	100
47,82	29,3	42,6	13225,00	160/180/200/225	100
54,07	25,9	37	13000,00	160/180/200/225	100
62,60	22,4	31,5	12750,00	160/180/200/225	100
70,95	19,7	28,5	13110,00	132/160/180/200	100
81,98	17,1	24,2	12980,00	132/160/180	100
89,90	15,6	22	12900,00	132/160/180	100
110,18	12,7	18,5	13300,00	112/132/160/180	100
122,48	11,4	16,5	13200,00	112/132/160	100
136,14	10,3	14,3	12730,00	112/132/160	100
146,07	9,6	13,5	13176,00	100/112/132	100

KC157 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
12,65	110,7	209	17138,00	280-315	120
14,92	93,8	184,6	17780,00	280-315	120
18,37	76,2	151,8	17940,00	225/250/280/315	120
21,31	65,7	132	18100,00	225/250/280/315	120
23,91	58,6	118,8	18270,00	225/250/280-315	120
27,62	50,7	99	17600,00	225/250/250-280	120
31,30	44,7	90	18200,00	200/225/250/280	120
38,02	36,8	72	17680,00	180/200/225/250/280	120
46,79	29,9	58,5	17784,00	180/200/225/250	120
54,29	25,8	51	18020,00	180/200/225/250	120
61,02	22,9	46,8	18445,00	180/200/225/250	120
70,38	19,9	38,3	17510,00	180/200/225	120
79,75	17,6	34,5	17986,00	132/160/180/200/225	120
91,65	15,3	29,6	17600,00	132/160/180/200/225	120
100,22	14,0	27	17550,00	132/160/180/200	120
122,39	11,4	14,6	17803,50	132/160/180	120
150,41	9,3	12	17920,00	132-160	120

KC167 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
17,34	80,7	290	32335,00	280/315/355	140
20,32	68,9	240	31320,00	280/315/355	140
24,52	57,1	200	31500,00	280/315/355	140
36,61	38,3	136	32045,00	250/280/315	140
42,89	32,6	115,5	32130,00	225/250/280	140
51,77	27,0	94,5	31710,00	225/250/280	140
60,74	23,0	81	31770,00	200/225/250/280	140
68,07	20,6	72	31600,00	200/225/250/280	140
78,14	17,9	63,8	32130,00	180/200/225/250/280	140
87,86	15,9	55	31300,00	180/200/225/250	140
109,83	12,7	45	31200,00	180/200/225	140

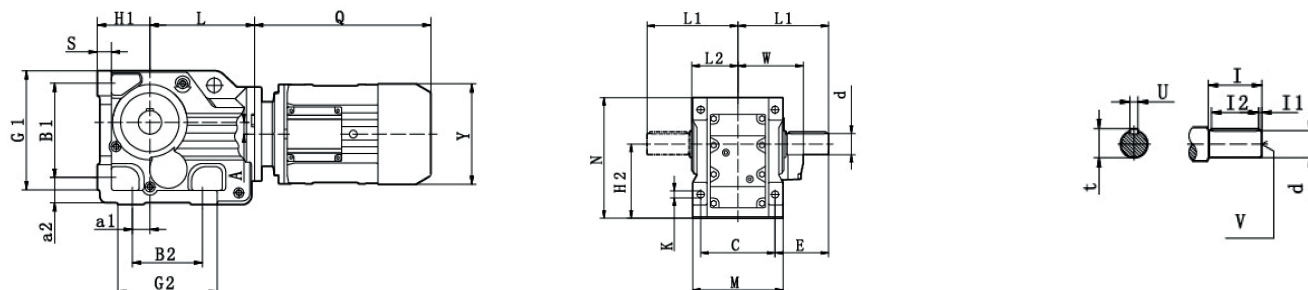
Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
134,99	10,4	36,3	32505,00	160-180	140
164,50	8,5	29,7	32400,00	160-180	140

KC187 input speed N1 1400 rpm

Rapporto Ratio	N2 giri uscita N2 output rpm	P1 max (Kw)	M2 max (Nm) M2 max torque	pam possibili possible pam	albero lento standard standard output shaft
17,18	81,5	370	40885,00	315-355	160
20,15	69,5	340	44030,00	315-355	160
24,18	57,9	310	48205,00	315-355	160
27,92	50,1	280	50260,00	315-355	160
33,23	42,1	230	49105,00	315-355	160
45,50	30,8	170	49725,00	280/315/355	160
53,36	26,2	146,3	50310,00	280/315/	160
64,04	21,9	121	50160,00	250/280/315	160
73,69	19,0	104,5	49685,00	225/250/280/315	160
88,00	15,9	88	49840,00	225/250/280/315	160
102,16	13,7	74,3	49140,00	225/250/280	160
112,60	12,4	67,5	49050,00	225/250/280	160
129,69	10,8	60	74240,00	200/225/250/280	160
144,59	9,7	35,2	49970,00	200/225/250	160
165,21	8,5	47,3	50715,00	180/200/225	160
179,86	7,8	21,1	49680,00	180/200/225	160

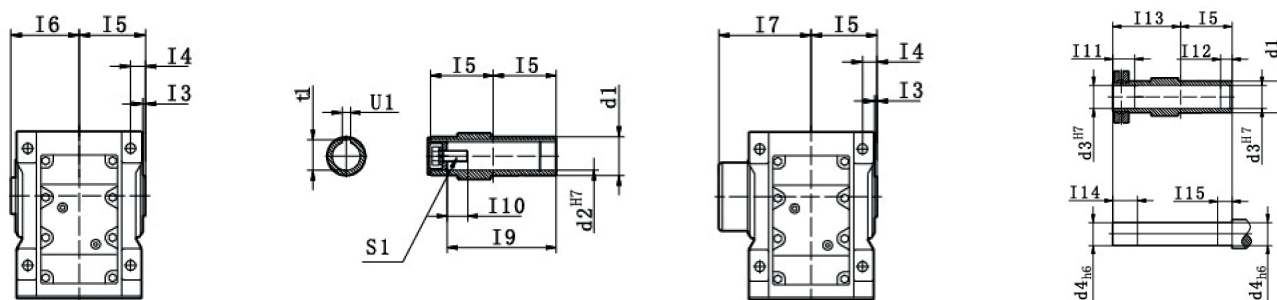
KC37..~157../KCA47B..~157B../KCH47B..~157B../KCV47B..~107B Dimensioni di montaggio - Mounting dimensions

KC37..~157..

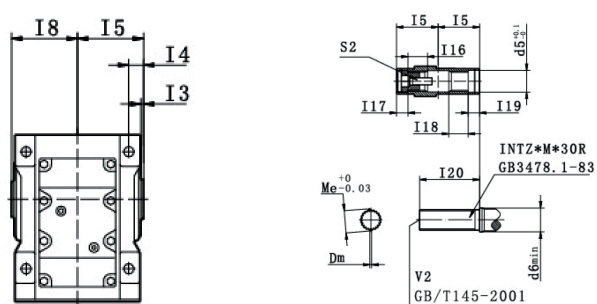


KCA47B..~157B..

KCH47B..~157B..



KCV47B..~107B



Fare riferimento alla pagina 142 per la taglia di q, y e w.

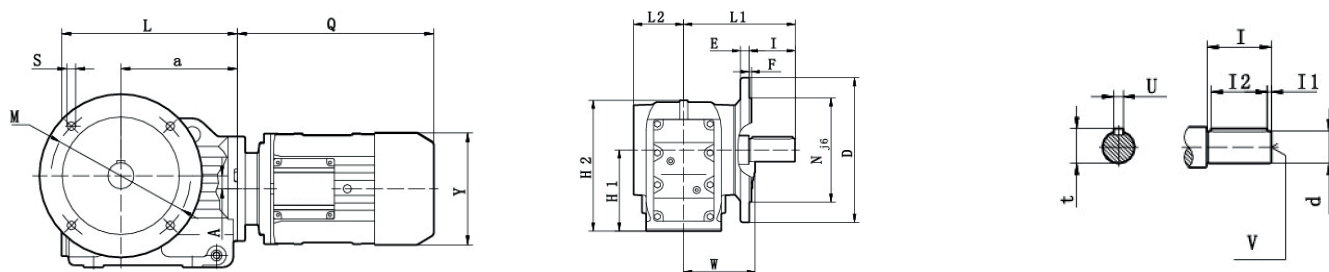
Please refer to page 142 for the size of q, y and w.

Dimensione Size	A	a1 a2	B1 B2 C	E	G1 G2	H1 H2	K	L	L1 L2	M N	S	Dimensione albero in uscita - Size of output shaft					
												d	l	l1 l2	u	t	v
KC37	8.5	28 32	115 110 100	60	150 143	63 100	11	139	110 60	120 165	16	25	50	5 40	8	28	M10
KC47	7.2	35 37	130 130 120	75	170 162	71 112	11	166	135 72	145 185	18	30	60	3.5 50	8	33	M10
KC57	13.1	30 45	150 130 130	88	190 172	80 132	13.5	173	153 80	157 217	21	35	70	7 56	10	38	M12
KC67	20	30 45	160 120 140	101	203 170	90 140	13.5	179	171 86.5	170 228	24	40	80	5 70	12	40	M16
KC77	31.3	40 55	200 150 165	123.5	263 208	112 180	17.5	202	206 101	200 288	27	50	100	10 80	14	53.5	M16
KC87	25.9	55 70	233 180 180	150	305 260	132 212	22	257	240 116	230 340	32	60	120	5 110	18	64	M20
KC97	32.3	75 75	295 240 240	171	372 294	160 265	26	277	291 146	290 417	36	70	140	7.5 140	20	74.5	M20
KC107	52	95 95	360 280 270	212	448 380	200 315	33	341	347 175	340 503	40	90	170	5 160	25	95	M24
KC127	53	115 110	420 350 330	253	526 440	225 375	39	390	418 203	400 592	45	110	210	15 80	28	116	M24
KC157	71.7	140 130	500 380 420	247	634 480	280 450	39	426	457 250	500 750	50	120	210	5 200	32	127	M24

Dimensione Size	Dimensione albero in uscita - Size of output shaft													
	KCA..B				KCH..B				KCV..B					
	l3 l4 l5	d1 d2	l6 l9 l10	t1 U1 S1	d3 d4	l7 l11 l12	l13 l14 l15	d5 d6	l8 l16 l17	l18 l19 l20	S2 V2	Z*M Me Dm		
47	3 15 75	50 35	78 132 22	38.3 10 M12	35 35	110 32 20	102 37 25	37 42	77 32 18	32 18 115	M10*30 M10	16*2 38.92 4		
57	3 18 83	55 40	86 142 29	43.3 12 M16	40 40	117 26 20	112 31 25	37 42	83 32 18	32 18 130	M10*30 M10	16*2 38.92 4		
67	3.5 20 90	55 40	93 156 29	43.3 12 M16	40 40	126 38 20	118 43 25	47 52	90 42 25	42 25 130	M16*50 M16	21*2 48.85 4		
77	4 22.5 105	70 50	108 183 32	53.8 14 M16	50 50	146 36 30	136 41 35	55 62	105 52 23	52 23 160	M16*50 M16	24*2 54.13 4		
87	4 30 120	85 60	123 210 36	64.4 18 M20	65 65	170 41 40	161 46 45	72 82	120 62 25	62 25 160	M20*60 M20	31*2 68.96 4		
97	4 30 150	95 70	153 270 34	74.9 20 M20	75 75	206 55 50	195 60 55	72 90	150 72 25	72 25 240	M20*60 M20	34*2 74.15 4		
107	2.5 40 175	118 90	178 313 40	95.4 25 M24	95 95	245 65 60	230 75 70	90 105	178 89 26	89 26 290	M20*60 M20	27*3 90.99 4		
127	2.5 40 205	135 100	208 373 38	106.4 28 M24	105 105	296 85 70	280 95 80	-	-	-	-	-		
157	2.5 40 205	155 120	253 460 36	127.4 32 M24	125 125	370 90 80	330 100 90	-	-	-	-	-		

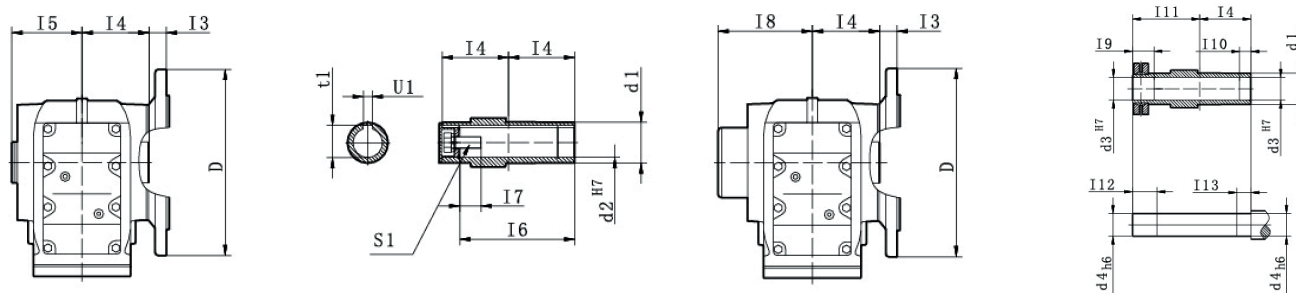
KCF37..~157../KCAF37..~157../KCHF37..~157../KCVF37..~107 Dimensioni di montaggio - *Mounting dimensions*

KCF37..~157..

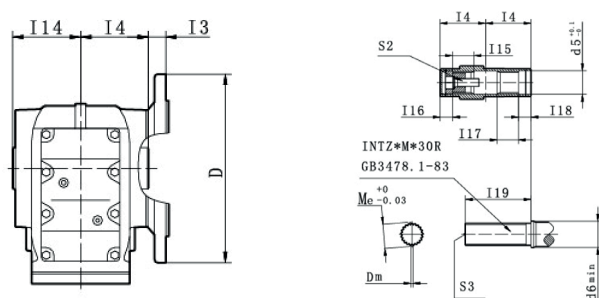


KCAF37..~157..

KCHF37..~157..



KCVF37..~107



Fare riferimento alla pagina 142 per la taglia di q, y e w.

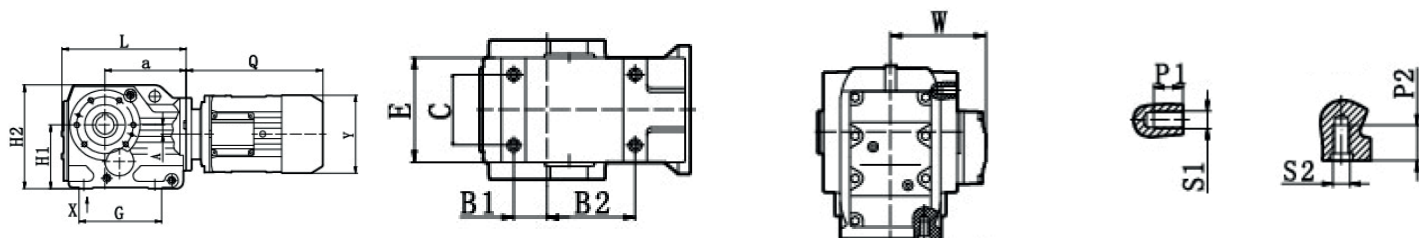
Please refer to page 142 for the size of q, y and w.

Dimensione Size	A	a	D	E F	H1 H2	L	L1 L2	M N	S	Dimensione albero in uscita - Size of output shaft					
										d	l	l1 l2	u	t	v
KCF37	8.5	139	160	10 3.5	100 164	210	134 57.5	130 110j6	4-9	25	50	5 40	8	28	M10
KCF47	7.2	166	200	10 3.5	112 185	243	160 72	165 180j6	4-11	30	60	3.5 50	8	33	M10
KCF57	13.1	173	250	15 4	132 215	269	176.5 80	215 180j6	4-13.5	35	70	7 56	10	38	M12
KCF67	20	179	250	15 4	140 226	270	193 86.5	215 180j5	4-13.5	40	80	5 70	12	43	M16
	20	179	300	16 4	140 226	270	190 86.5	265 230j6	4-14	40	80	5 70	12	43	M16
KCF77	31.3	202	300	16 4	180 286	312	242 101	265 230j6	4-13.5	50	100	10 80	14	53.5	M16
	31.3	202	350	17 5	180 286	312	235 101	300 250j6	4-18	50	100	10 80	14	53.5	M16
KCF87	25.9	257	300	19 4	212 338	390	270 116	265 230j6	4-14	60	120	5 110	18	64	M20
	25.9	257	350	18 5	212 338	390	270 116	300 250h6	4-17.5	60	120	5 110	18	64	M20
	25.9	257	400	19 5	212 338	390	270 116	350 300h6	4-18	60	120	5 110	18	64	M20
KCF97	32.3	277	400	19 5	265 414	435	328 146	350 300h6	4-18	70	140	7.5 125	20	74.5	M20
	32.3	277	450	22 5	265 414	435	332 146	400 350h6	8-17.5	70	140	7.5 125	20	74.5	M20
KCF107	52	341	450	22 5	315 500	537	286 175	400 350h6	8-17.5	90	170	5 160	25	95	M24
KCF127	53	390	550	25 5	375 592	615	466 203	500 450h6	8-17.5	110	210	15 180	28	116	M24
KCF157	71.7	426	660	28 6	450 705	706	520 253	600 550h6	8-22	120	210	5 200	32	127	M24

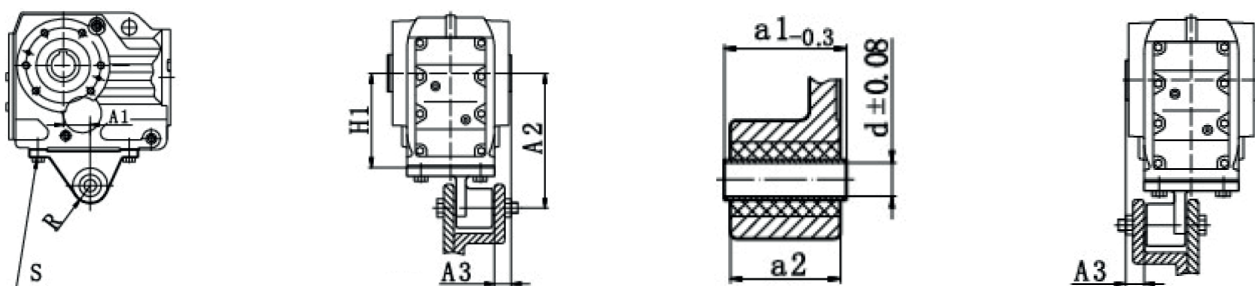
Dimensione Size	Dimensione albero in uscita - Size of output shaft												
	KCA..B				KCH..B				KCV..B				
	l3 l4	d1 d2	l5 l6 l7	t1 U1 S1	d3 d4	l8 l9 l10	l11 l12 l13	d5 d6	l14 l15 l16	l17 l18 l19	S2 V2	Z*M Me Dm	
37	24 60	45 30	63 105 17	33.3 8 M10	30 30	95 31 20	86 36 25	37 42	62 25 18	25 18 85	M10*30 M10	22*1.25 33.03 2.07	
47	25 75	50 35	78 132 22	38.3 10 M12	35 35	110 32 20	102 37 25	37 42	77 32 18	32 18 115	M10*30 M10	16*2 38.92 4	
57	23.5 83	55 40	86 142 29	43.3 12 M16	40 40	117 26 20	112 31 25	37 42	83 32 18	32 18 130	M10*30 M10	16*2 38.92 4	
67	23 90	55 40	94 156 29	43.3 12 M16	40 40	126 38 20	118 43 25	47 52	90 42 25	42 25 130	M16*50 M16	21*2 48.85 4	
77	37 105	70 50	108 183 32	53.8 14 M16	50 50	146 36 30	136 41 35	55 62	105 52 23	52 23 160	M16*50 M16	24*2 54.13 4	
87	30 120	85 60	123 210 36	64.4 18 M20	65 65	170 41 40	161 46 45	72 82	120 62 25	62 25 160	M20*60 M20	31*2 68.96 4	
97	41.5 150	95 70	153 270 34	74.9 20 M20	75 75	206 55 50	195 60 55	72 90	150 72 25	72 25 240	M20*60 M20	34*2 74.15 4	
107	41 175	118 90	178 313 40	95.4 25 M24	95 95	245 65 60	230 75 70	90 105	178 89 26	89 26 290	M20*60 M20	27*3 90.99 4	
127	51 205	135 100	208 373 38	106.4 28 M24	105 105	296 85 70	280 95 80	-	-	-	-	-	
157	60 250	155 120	253 460 36	127.4 32 M24	125 125	370 90 80	330 100 90	-	-	-	-	-	

KCA37..~107../KCH37..~107../KCV37..~107 Dimensioni di montaggio - Mounting dimensions

KCA47..~107..



KC..37/T..~KC..107/T..

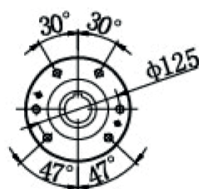


KCA37

KCA47

KCA57

KCA67

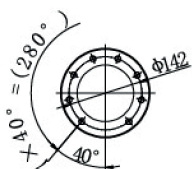


KCA77

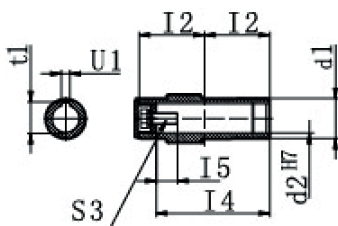
KCA87

KCA97

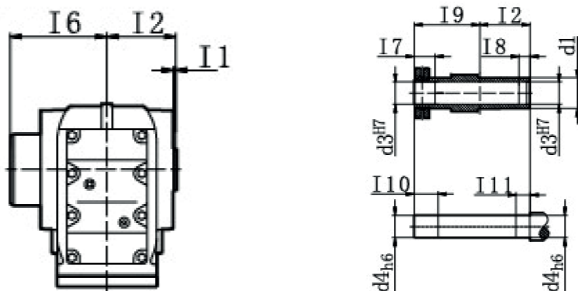
KCA107



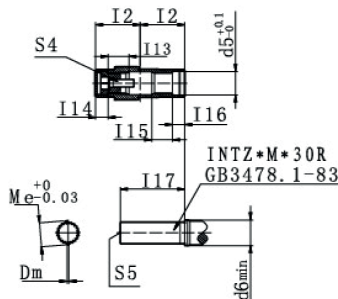
KCA37..~107..



KCH37..~107..



KCV37..~107..



Fare riferimento alla pagina 142 per la taglia di q , y e w .

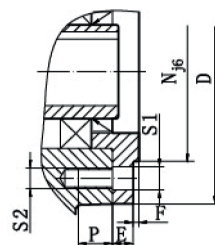
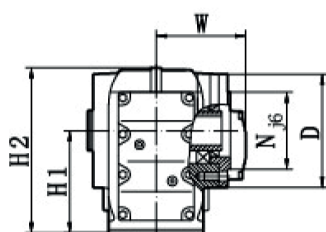
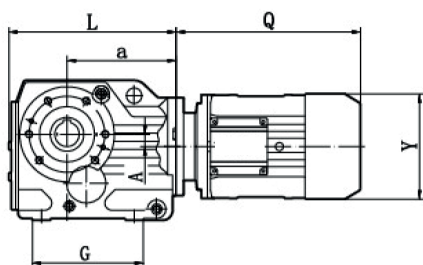
Please refer to page 142 for the size of q , y and w .

Dimensione Size	A	a	B1 B2	C E	G	H1 H2	L	P1 S1	P2 S2	Dimensione - Size of torque arm				
										A1 A2	A3	a1 a2	d	R S
KCA37	8.5	139	35 82	60 100	147	100 164	210	12 M8	20 M10	23.5 140	20	36 31	10.4	22.5 M10*25
KCA47	7.2	166	40 100	70 110	170	112 185	243	12 M8	20 M10	30 160	20	36 31	10.4	22.5 M10*30
KCA57	13.1	173	47 105	88 122	182	132 215	269	20 M12	25 M12	40 192	18	60 54	16.4	29 M12*35
KCA67	20	179	42 110	88 130	182	140 228	270	20 M12	20 M12	45 200	25	60 54	16.4	29 M12*35
KCA77	31.3	202	48 122	102 154	204	180 286	312	20 M12	32 M16	52.5 250	25	60 54	16.4	29 M12*40
KCA87	25.9	257	65 160	118 170	280	212 338	390	26 M16	32 M16	60 300	30	80 72	25	41 M16*45
KCA97	32.3	277	83 165	160 226	298	265 414	435	26 M16	26 M20	70 350	40	100 92	25	41 M20*50
KCA107	52	341	100 190	190 266	370	315 500	537	30 M20	44 M24	74 450	45	100 92	25	41 M24*60

Dimensione Size	Dimensione albero in uscita - Size of output shaft												
	KCA				KCH				KCV				
	I1 I2	d1 d2	I3 I4 I5	t1 U1 S3	d3 d4	I6 I7 I8	I9 I10 I11	d5 d6	I12 I13 I14	I15 I16 I17	S4 V5	Z*M Me Dm	
37	2.5 60	45 30	63 105 17	33.3 8 M10	30 30	95 31 20	86 36 25	37 42	62 25 18	25 18 85	M10*30 M10	22*1.25 33.03 2.07	
47	3 75	50 35	78 132 22	38.3 10 M12	35 35	110 32 20	102 37 25	37 42	77 32 18	32 18 115	M10*30 M10	16*2 38.92 4	
57	3 83	55 40	86 142 29	43.3 12 M16	40 40	117 26 20	112 31 25	37 42	83 32 18	32 18 130	M10*30 M10	16*2 38.92 4	
67	3.5 90	55 40	94 156 29	43.3 12 M16	40 40	126 38 20	118 43 25	47 52	90 42 25	42 25 130	M16*50 M16	21*2 48.85 4	
77	4 105	70 50	108 183 32	53.8 14 M16	50 50	146 36 30	136 41 35	55 62	105 52 23	52 23 160	M16*50 M16	24*2 54.13 4	
87	4 120	85 60	123 210 36	64.4 18 M20	65 65	170 41 40	161 46 45	72 82	120 62 25	62 25 160	M20*60 M20	31*2 68.96 4	
97	4 150	95 70	153 270 34	74.9 20 M20	75 75	206 55 50	195 60 55	72 90	150 72 25	72 25 240	M20*60 M20	34*2 74.15 4	
107	2.5 175	118 90	178 313 40	95.4 25 M24	95 95	245 65 60	230 75 70	90 105	178 89 26	89 26 290	M20*60 M20	27*3 90.99 4	

KCAZ37..~107../KCHZ37..~107../KCVZ37..~107.. Dimensioni di montaggio - Mounting dimensions

KCAZ37..~107..

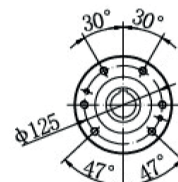
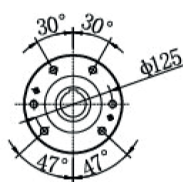
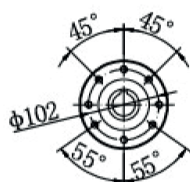


KCAZ37

KCAZ47

KCAZ57

KCAZ67

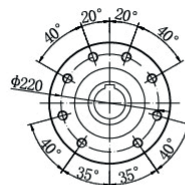
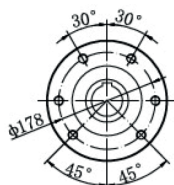
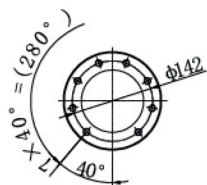


KCAZ77

KCAZ87

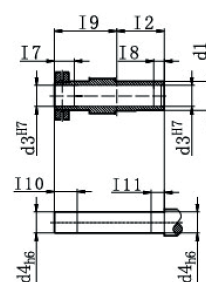
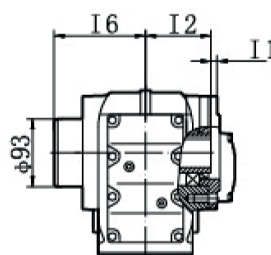
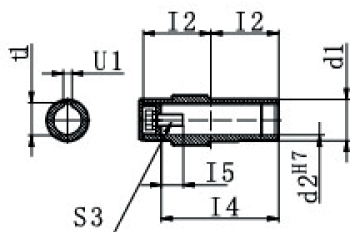
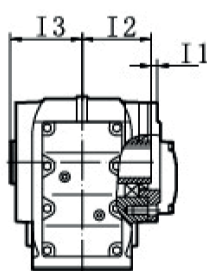
KCAZ97

KCAZ107

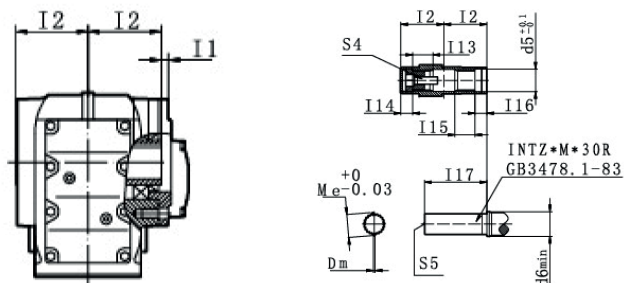


KCAZ37..~107..

KCHZ37..~107..



KCVZ37..~107..



Fare riferimento alla pagina 142 per la taglia di q , y e w .

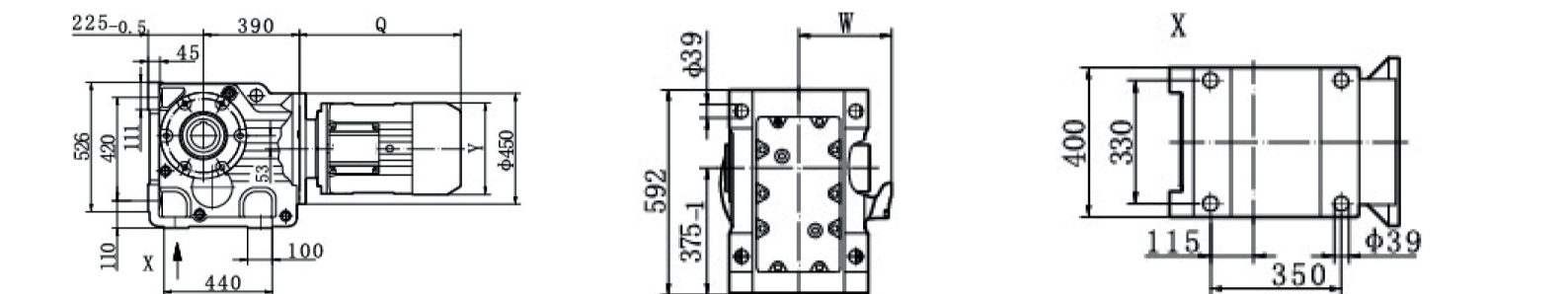
Please refer to page 142 for the size of q , y and w .

Dimensione Size	A	a	D	E F	G	H1 H2	L	N	P	S1 S2
KCAZ37	8.5	139	110	11.5 3	147	100 164	210	80	12	9 M8
KCAZ47	7.2	166	120	11 3	170	112 185	243	80	12	9 M8
KCAZ57	13.1	173	155	12 3.5	182	132 215	269	105	20	13.5 M12
KCAZ67	20	179	155	12 3.5	182	140 228	274	105	20	13.5 M12
KCAZ77	31.3	202	170	14 3.5	204	180 286	312	125	20	17.5 M12
KCAZ87	25.9	257	215	15 4	280	212 338	390	155	26	17.5 M16
KCAZ97	32.3	277	260	18 4	298	265 414	435	180	26	17.5 M16
KCAZ107	52	341	304	22 4	370	315 500	537	210	26	22 M20

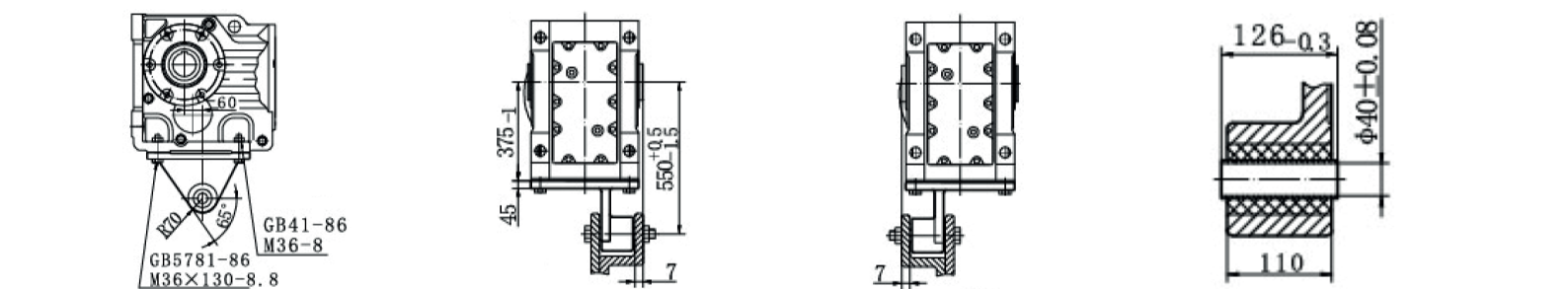
Dimensione Size	Dimensione albero in uscita - Size of output shaft												
	KCZ				KCHZ				KCVZ				
	I1 I2	d1 d2	I3 I4 I5	t1 U1 S3	d3 d4	I6 I7 I8	I9 I10 I11	d5 d6	I12 I13 I14	I15 I16 I17	S4 V5	Z*M Me Dm	
37	9 60	45 30	63 105 17	33.3 8 M10	30 30	95 31 20	86 36 25	37 42	62 25 18	25 18 85	M10*30 M10	22*1.25 33.03 2.07	
47	8 75	50 35	78 132 22	38.3 10 M12	35 35	110 32 20	102 37 25	37 42	77 32 18	32 18 115	M10*30 M10	16*2 38.92 4	
57	9 83	55 40	86 142 29	43.3 12 M16	40 40	117 26 20	112 31 25	37 42	83 32 18	32 18 130	M10*30 M10	16*2 38.92 4	
67	8.5 90	55 40	94 156 29	43.3 12 M16	40 40	126 38 20	118 43 25	47 52	90 42 25	42 25 130	M16*50 M16	21*2 48.85 4	
77	10 105	70 50	108 183 32	53.8 14 M16	50 50	146 36 30	136 41 35	55 62	105 52 23	52 23 160	M16*50 M16	24*2 54.13 4	
87	11 120	85 60	123 210 36	64.4 18 M20	65 65	170 41 40	161 46 45	72 82	120 62 25	62 25 160	M20*60 M20	31*2 68.96 4	
97	14 150	95 70	153 270 34	74.9 20 M20	75 75	206 55 50	195 60 55	72 90	150 72 25	72 25 240	M20*60 M20	34*2 74.15 4	
107	8 175	118 90	178 313 40	95.4 25 M24	95 95	245 65 60	230 75 70	90 105	178 89 26	89 26 290	M20*60 M20	27*3 90.99 4	

KCA127../KCH127../KCAZ127../KCHZ127.. Dimensioni di montaggio - *Mounting dimensions*

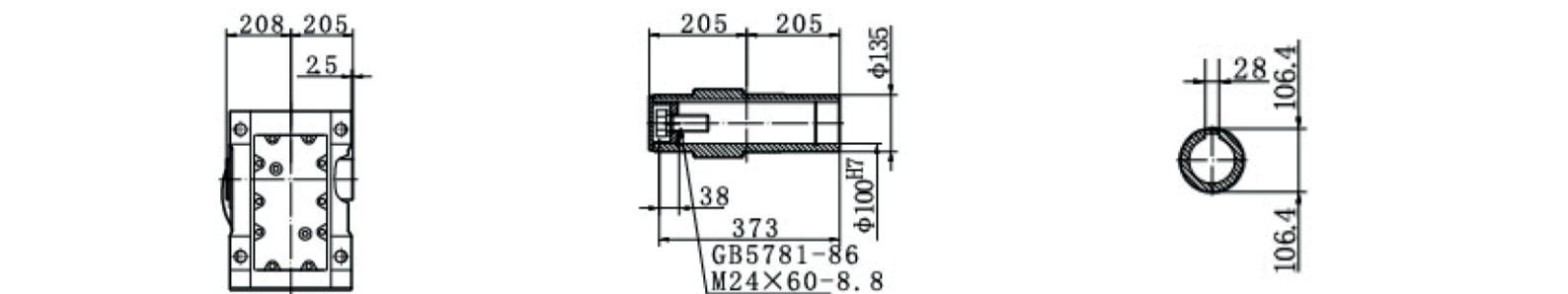
KCA127..



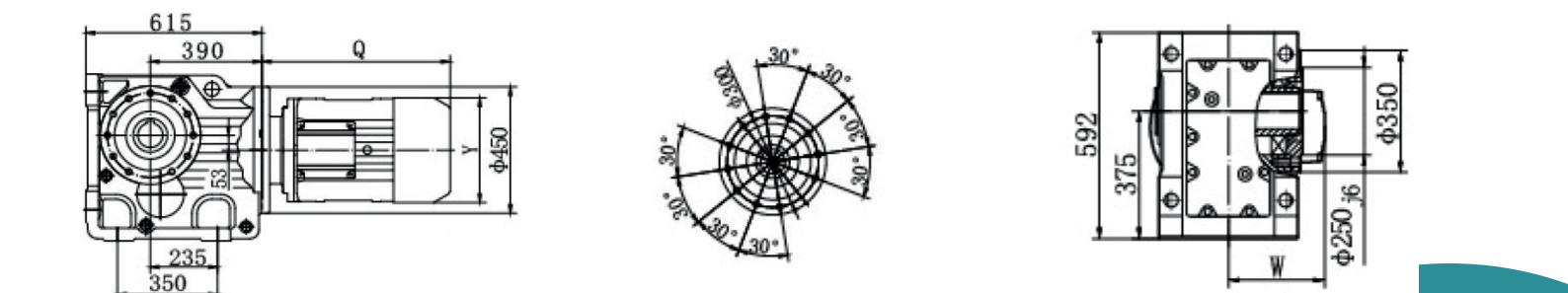
KC..127/T..



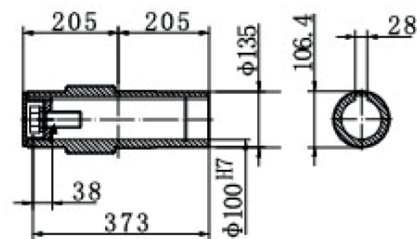
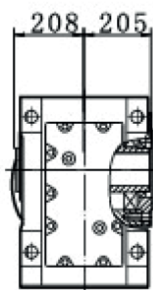
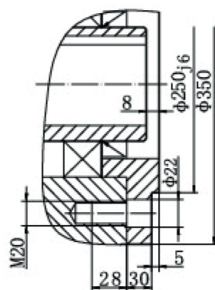
KCA127



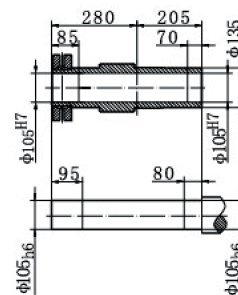
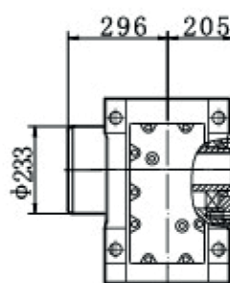
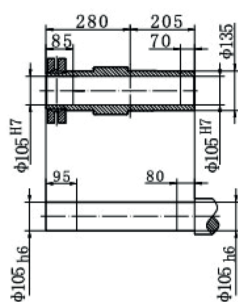
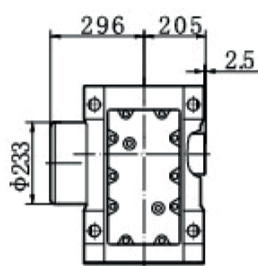
KCAZ127



KCAZ127



KCH127



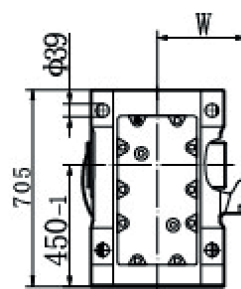
KCHZ127

Fare riferimento alla pagina 142 per la taglia di q, y e w.

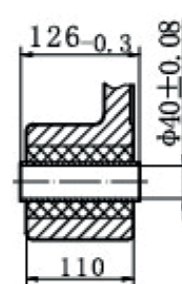
Please refer to page 142 for the size of q, y and w.

KCA157../KCH157../KCAZ157../KCHZ157.. Dimensioni di montaggio - *Mounting dimensions*

KCA157..



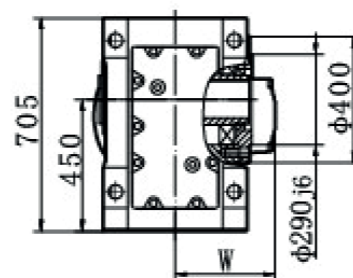
KC..157/T..



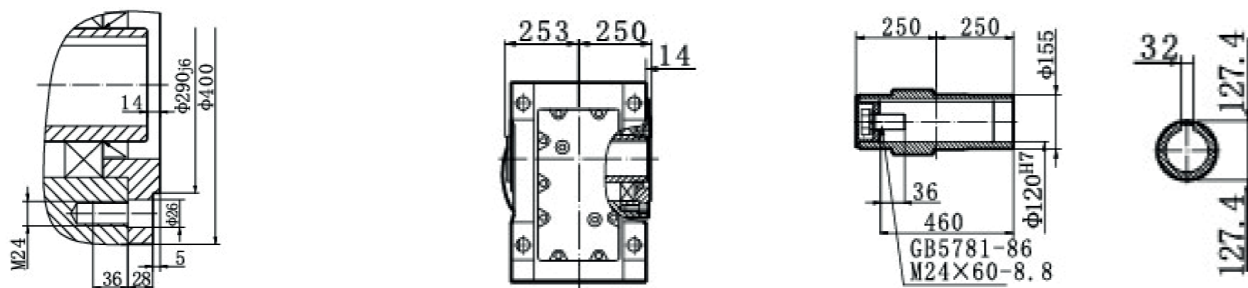
KCA157..



KCAZ157..

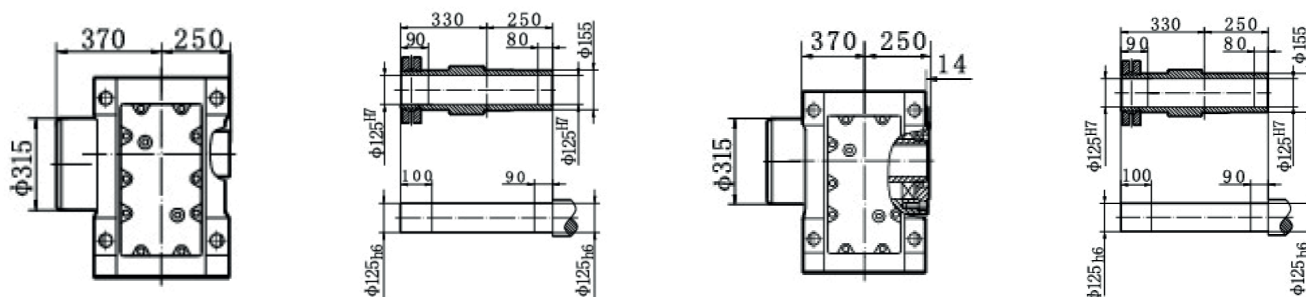


KCAZ157..



KCH157

KCHZ157

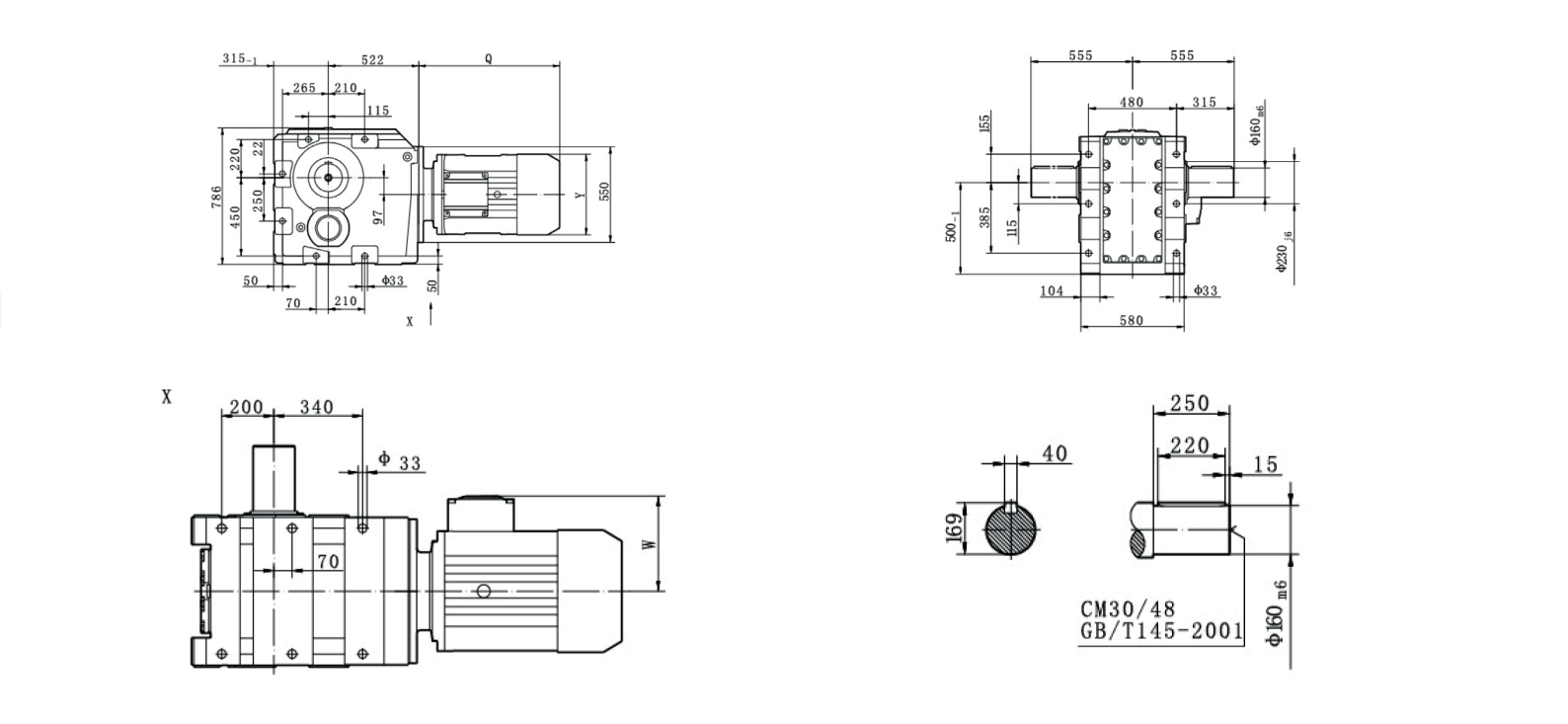


Fare riferimento alla pagina 142 per la taglia di q, y e w.

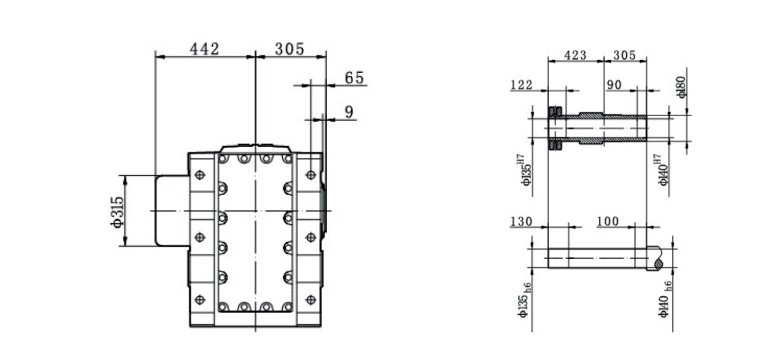
Please refer to page 142 for the size of q, y and w.

KC167./KCH167.. Dimensioni di montaggio - *Mounting dimensions*

KC167..



KCH167..



Fare riferimento alla pagina 142 per la taglia di q, y e w.

Please refer to page 142 for the size of q , y and w .

Front View:

- Total width: 355-1
- Distance from centerline to mounting flange: 591
- Flange diameter: $\phi 550$
- Mounting hole pitch circle diameter: $\phi 190_{m6}$
- Motor body diameter: $\phi 260_{j6}$
- Other dimensions: 305, 250, 135, 942, 250, 5, 305, 112, 50, 60, 250, X, Y.

Top View:

- Overall length: Q
- Motor body diameter: $\phi 260_{j6}$
- Mounting flange diameter: $\phi 190_{m6}$
- Other dimensions: 657, 540, 387, 160, 460, 150, 110, 640, $\phi 39$.

Side View:

- Motor body diameter: $\phi 260_{j6}$
- Mounting flange diameter: $\phi 190_{m6}$
- Other dimensions: 600, 160, 460, 150, 110, 640, $\phi 39$.

End View:

- Motor body diameter: $\phi 260_{j6}$
- Mounting flange diameter: $\phi 190_{m6}$
- Other dimensions: 215, 405, $\phi 39$, 95, W.

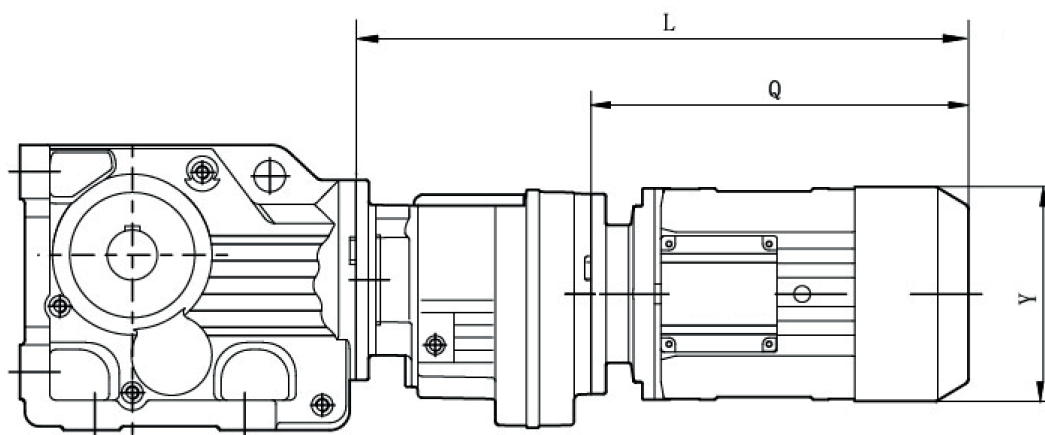
Detail Views:

- View A: Circular feature with diameter $\phi 39$ and height 45.
- View B: Rectangular feature with dimensions 320, 300, 10, and $\phi 190_{m6}$.

Standards: CM30/48 GB/T145-2001

Please refer to page 142 for the size of q , y and w .

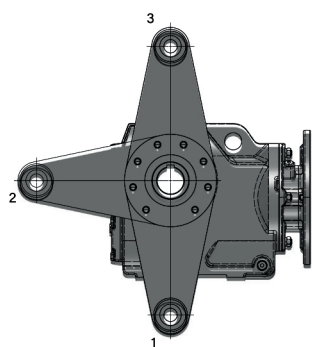
KC..RC.. Dimensioni di montaggio - Mounting dimensions



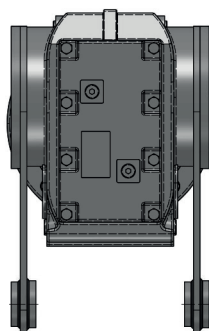
		Y	Q	L
KC..37RC37	MS(H)63..	132	149	324
	MS(H)71..	145	164	339
	MS(H)80..	145	214	389
KC..47RC37 KC..67RC37	MS(H)63..	132	191	356
	MS(H)71..	145	206	371
	MS(H)80..	145	256	421
KC..57RC37	MS(H)63..	132	191	356
	MS(H)71..	145	206	371
	MS(H)80..	145	256	421
KC..77RC37	MS(H)90..	197	276	441
	MS(H)63..	132	191	348
	MS(H)71..	145	206	363
	MS(H)80..	145	256	413
KC..87RC57	MS(H)90..	197	276	433
	MS(H)63..	132	185	401
	MS(H)71..	145	199	415
	MS(H)80..	145	249	465
	MS(H)90..	197	269	485
KC..97RC57	MS(H)100M	197	319	535
	MS(H)100L	197	349	565
	MS(H)63..	132	185	396
	MS(H)71..	145	199	410
	MS(H)80..	145	249	460
KC..107RC77	MS(H)90..	197	269	480
	MS(H)100M	197	319	530
	MS(H)100L	197	349	560
	MS(H)112M	221	354	565
	MS(H)63..	132	179	426
KC..127RC77	MS(H)71..	145	193	440
	MS(H)80..	145	243	490
	MS(H)90..	197	261	508
	MS(H)100M	197	311	558
	MS(H)100L	197	341	588
	MS(H)112M	221	345	592
	MS(H)132S	221	390	637
	MS(H)132M	275	412	659
	MS(H)132ML	275	472	719
	MS(H)160M	275	472	719
KC..127RC87	MS(H)63..	132	179	411
	MS(H)71..	145	193	425
	MS(H)80..	145	243	475
	MS(H)90..	197	261	493
	MS(H)100M	197	311	543
	MS(H)100L	197	341	573
	MS(H)112M	221	345	577
	MS(H)132S	221	390	622
	MS(H)132M	275	412	644
	MS(H)132ML	275	472	704
KC..157RC97 KC..167RC97 KC..187RC97	MS(H)132M	275	472	704
	MS(H)90..	197	257	537
	MS(H)100M	197	307	587
	MS(H)100L	197	337	617
	MS(H)112M	221	340	620
	MS(H)132S	221	385	665
	MS(H)132M	275	407	687
	MS(H)132ML	275	467	747
	MS(H)132M	275	467	747
	MS(H)160M	331	514	794
KC..157RC107 KC..167RC107 KC..187RC107	MS(H)180..	331	586	866
	MS(H)80..	145	231	556
	MS(H)90..	197	251	576
	MS(H)100M	197	301	626
	MS(H)100L	197	331	656
	MS(H)112M	221	335	660
	MS(H)132S	221	380	705
	MS(H)132M	275	402	727
	MS(H)132ML	275	462	787
	MS(H)132M	275	462	787
KC..157RC107 KC..167RC107 KC..187RC107	MS(H)160M	331	509	834
	MS(H)180..	331	581	906
	MS(H)200..	394	629	954
	MS(H)100M	197	295	677
	MS(H)100L	197	325	707
	MS(H)112M	221	329	711
	MS(H)132S	221	374	756
	MS(H)132M	275	396	778
	MS(H)132ML	275	456	838
	MS(H)132M	275	456	838
KC..157RC107 KC..167RC107 KC..187RC107	MS(H)160M	331	503	885
	MS(H)180..	331	575	957
	MS(H)200..	394	623	1005
	MS(H)225..	394	705	1087
	MS(H)100M	197	295	677
	MS(H)100L	197	325	707
	MS(H)112M	221	329	711
	MS(H)132S	221	374	756
	MS(H)132M	275	396	778
	MS(H)132ML	275	456	838

		Y	Q	L
KC..127RC87	MS(H)90..	197	257	537
	MS(H)100M	197	307	587
	MS(H)100L	197	337	617
	MS(H)112M	221	340	620
	MS(H)132S	221	385	665
	MS(H)132M	275	407	687
	MS(H)132ML	275	467	747
	MS(H)132M	275	467	747
	MS(H)160M	331	514	794
	MS(H)180..	331	586	866
KC..157RC97 KC..167RC97 KC..187RC97	MS(H)80..	145	231	556
	MS(H)90..	197	251	576
	MS(H)100M	197	301	626
	MS(H)100L	197	331	656
	MS(H)112M	221	335	660
	MS(H)132S	221	380	705
	MS(H)132M	275	402	727
	MS(H)132ML	275	462	787
	MS(H)132M	275	462	787
	MS(H)160M	331	509	834
KC..157RC107 KC..167RC107 KC..187RC107	MS(H)180..	331	581	906
	MS(H)200..	394	629	954
	MS(H)100M	197	295	677
	MS(H)100L	197	325	707
	MS(H)112M	221	329	711
	MS(H)132S	221	374	756
	MS(H)132M	275	396	778
	MS(H)132ML	275	456	838
	MS(H)132M	275	456	838
	MS(H)160M	331	503	885
KC..157RC107 KC..167RC107 KC..187RC107	MS(H)180..	331	575	957
	MS(H)200..	394	623	1005
	MS(H)225..	394	705	1087
	MS(H)100M	197	295	677
	MS(H)100L	197	325	707
	MS(H)112M	221	329	711
	MS(H)132S	221	374	756
	MS(H)132M	275	396	778
	MS(H)132ML	275	456	838
	MS(H)132M	275	456	838

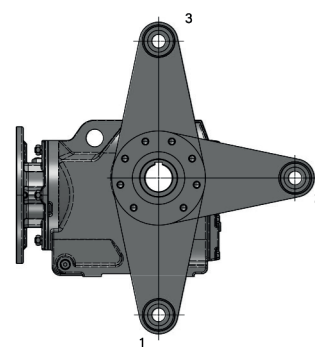
Posizioni di montaggio - Mounting positions



A



BA



B

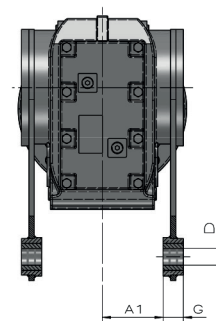
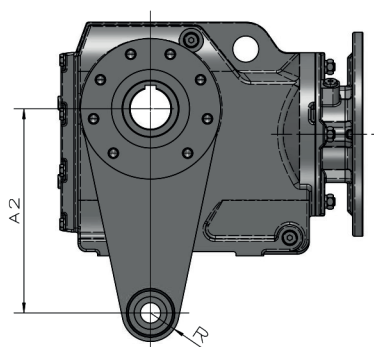
È possibile montare il braccio di reazione laterale per KCA in 6 diverse posizioni: A1, A2, A3, B1, B2, B3.

Per altre esigenze consultare il nostro ufficio tecnico

You can mount the side torque arm in six different positions: A1, A2, A3, B1, B2, B3

For other special requests, please contact our technical dept

KCA67 - 77 - 87 Dimensioni - Dimensions



	A2	A1	D	G	R
KCA67	200	78	20	25	30
KCA77	250	90	25	30	35
KCA87	300	101	25	40	40

Pesi dei riduttori RC - RC reducer weights

Tipo Type size	Peso (Kg) Weight (Kg)
1	5
R17	/
R27	8.3
R37	15
R47	28
R57	33
R67	37
R77	47
R87	87
R97	132
R107	195
R137	285
R147	440
R167	700

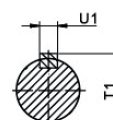
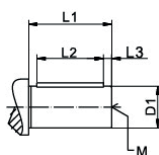
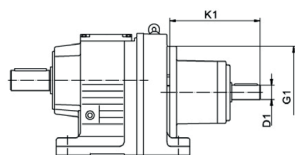
Pesi dei riduttori FC - FC reducer weights

Tipo Type size	Peso (Kg) Weight (Kg)
1	5
FA37	16
FA47	21
FA57	28
FA67	31
FA77	56
FA87	99
FA97	170
FA107	255
FA127	455
FA157	710

Pesi dei riduttori KC - KC reducer weights

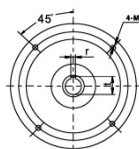
Tipo Type size	Peso (Kg) Weight (Kg)
1	5
KA37B	25
KA47B	31
KA57B	37
KA67B	43
KA77B	75
KA87B	110
KA97B	170
KA107B	315
KA127B	475
KA157B	790
KA167B	1190
KA187B	1770
KA37	24
KA47	30
KA57	36
KA67	40
KA77	68
KA87	99
KA97	150
KA107	285
KA127	450
KA157	750
KA167	1190
KA187	1770

Dimensioni dell'albero in ingresso - Dimension sheets of input shaft



Codice serie Series Code	Tipo Type	Albero in ingresso Input shaft type	Rapporto - Ratio range			G1	K1	D1	L1	L2	L3	T1	U1	M
			RC	FC	KC									
RC/FC	27	AD1	24.47-135.09	33.83-140.74	/	120	102	16	40	32	4	18	5	M5
		AD2	3.37-28.37	4.16-29.56	/		130	19	40	32	4	21.5	6	M6
RC/FC/KC	37	AD1	55.76-134.82	51.70-128.51	35.57-106.38		102	16	40	32	4	18	5	M5
		AD2	3.41-48.08	3.77-47.02	5.36-29.96		130	19	40	32	4	21.5	6	M6
FC	47	AD1	/	68.09-190.76	/		102	16	40	32	4	18	5	M5
		AD2	/	4.99-65.36	/		130	19	40	32	4	21.5	6	M6
RC/KC	47	AD2	4.34-176.88	/	9.10-131.87	160	123	19	40	32	4	21.5	6	M6
		AD3	3.83	/	5.81-8.56		159	24	50	40	5	27	8	M8
RC/FC/KC	57	AD2	14.77-186.89	24.96-199.70	17.57-145.14	160	123	19	40	32	4	21.5	6	M6
		AD3	4.39-13.95	5.18-21.17	6.57-15.22		159	24	50	40	5	27	8	M8
RC/FC/KC	67	AD2	23.44-199.81	36.30-228.99	35.62-144.79	160	123	19	40	32	4	21.5	6	M6
		AD3	4.29-19.89	3.97-32.08	7.28-30.22		159	24	50	40	5	27	8	M8
RC/FC/KC	77	AD2	25.23-195.24	48.37-281.71	45.96-192.18	200	116	19	40	32	4	21.5	6	M6
		AD3	9.64-23.37	28.75-43.58	30.89-40.04		151	24	50	40	5	27	8	M8
		AD4	5.31-8.59	4.28-25.50	7.24-29.27		224	38	80	70	5	41	10	M12
RC/FC/KC	87	AD2	47.58-246.54	76.39-270.68	86.34-197.37	250	111	19	40	32	4	21.5	6	M6
		AD3	31.40-41.74	39.30-68.40	36.52-79.34		166	28	60	50	5	31	8	M10
		AD4	9.90-27.84	28.78-35.19	11.17-31.39		219	38	80	70	5	41	10	M12
		AD5	5.30-9.14	4.12-26.50	7.21-10.00		292	42	110	70	10	45	12	M16
RC/FC/KC	97	AD3	53.21-216.28	72.29-276.77	70.54-176.05	300	151	28	60	50	5	31	8	M10
		AD4	27.19-47.58	36.64-65.47	41.87-62.55		214	38	80	70	5	41	10	M12
		AD5	6.21-25.03	15.06-33.91	16.56-38.30		287	42	110	70	10	45	12	M16
		AD6	4.50-5.20	4.57-12.77	11.99-13.85, 8.71		327	48	110	80	10	51.5	14	M16
RC/FC/KC	107	AD3	72.88-251.15	117.94-254.40	/	350	145	28	60	50	5	31	8	M10
		AD4	29.49-65.60	50.73-101.38	49.90-143.47		208	38	80	70	5	41	10	M12
		AD5	15.65-30.77	31.8-43.03	31.28-42.33		313	42	110	70	10	45	12	M16
		AD6	4.92-13.66	6.22-33.79	8.69-29.00		321	48	110	80	10	51.5	14	M20
FC/KC	127	AD4	/	75.41-170.83	110.18-146.07	450	193	38	80	70	5	41	10	M20
		AD5	/	42.15-70.07	47.82-89.89		266	42	110	70	10	45	12	M12
		AD6	/	24.57-26.86, 37.28	40.19		306	48	110	80	10	51.5	14	M16
		AD7	/	25.30-31.33	23.91-36.25		300	55	110	90	10	59	16	M16
		AD8	/	4.68-21.38	8.68-21.15		383	70	140	110	15	74.5	20	M20
RC	137	AD4	59.17-222.60	/	/	400	201	38	80	70	5	41	10	M12
		AD5	27.83-50.86	/	/		274	42	110	70	10	45	12	M16
		AD6	24.12-29.57	/	/		314	48	110	80	10	51.5	14	M16
		AD7	5.15-22.00	/	/		308	55	110	90	10	59	16	M20
	147	AD4	83.47-163.31	/	/	450	193	38	80	70	5	41	10	M12
		AD5	46.65-72.09	/	/		266	42	110	70	10	45	12	M16
		AD6	40.29	/	/		306	48	110	80	10	51.5	14	M16
		AD7	24.19-35.64	/	/		300	55	110	90	10	59	16	M20
FC/KC	157	AD5	/	60.25-267.43, 53.55	61.02-150.41	550	383	70	140	110	15	74.5	20	M20
		AD6	/	35.75-43.94, 52.24	54.29		258	42	110	70	10	45	12	M16
		AD7	/	32.55-46.68	38.02-46.79		298	48	110	80	10	51.5	14	M16
		AD8	/	11.92-28.6, 27.60	12.65-31.30		292	55	110	90	10	59	16	M20
RC/KC	167	AD5	73.70-229.71, 46.00	/	164.50	550	374	70	140	110	15	74.5	20	M20
		AD6	51.76-67.40, 30.71-37.74	/	109.83-134.99		258	42	110	70	10	45	12	M16
		AD7	34.41-44.87	/	60.74-87.86		298	48	110	80	10	51.5	14	M16
		AD8	10.24-24.57, 23.71-27.96	/	17.34-51.77		292	55	110	90	10	59	16	M20
KC	187	AD5	/	/	/	550	374	70	140	110	15	74.5	20	M20
		AD6	/	/	144.59-179.86		258	42	110	70	10	45	12	M16
		AD7	/	/	102.16-129.69		298	48	110	80	10	51.5	14	M16
		AD8	/	/	17.18-88.00		292	55	110	90	10	59	16	M20

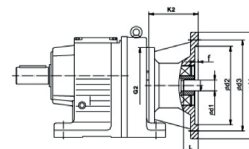
Dimensioni delle flange in ingresso - Dimension sheets of input flange



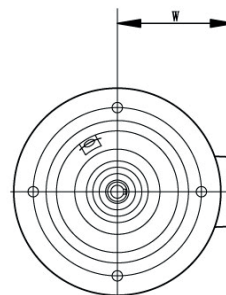
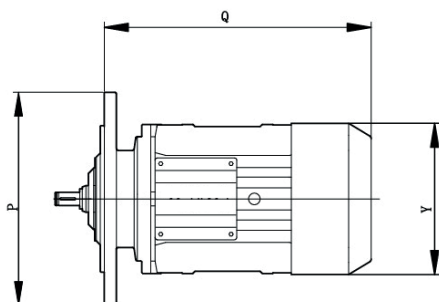
IEC63-200B5



IEC225-280B5



Tipo di riduttore Type of reducer	Tipo di flangia Type of flange	G2	K2	d1	d2	d3	d4	f	r	t	L	M
RC27/37 FC27/37/47 KC37	IEC63B5	120	63	11	95	115	140	5	4	12.8	23	10
	IEC7185		63	14	110	130	160	5	5	16.3	30	10
	IEC80B5		85	19	130	165	200	5	6	21.8	40	12
	IEC90B5		85	24	130	165	200	5	8	27.3	50	12
RC47/57/67 FC57/67 KC47/57/67	IEC63B5	160	61	11	95	115	140	5	4	12.8	23	10
	IEC7185		61	14	110	130	160	5	5	16.3	30	10
	IEC80B5		90	19	130	165	200	5	6	21.8	40	12
	IEC90B5		90	24	130	165	200	5	8	27.3	50	12
	IEC100/112B5		88	28	180	215	250	5	8	31.3	60	15
RC77 FC77 KC77	IEC63B5	200	62	11	95	115	140	5	4	12.8	23	10
	IEC7185		62	14	110	130	160	5	5	16.3	30	10
	IEC80B5		80	19	130	165	200	5	6	21.8	40	12
	IEC90B5		80	24	130	165	200	5	8	27.3	50	12
	IEC100/112B5		86	28	180	215	250	5	8	31.3	60	15
	IEC132B5		108	38	230	265	300	5	10	41.3	80	15
RC87 FC87 KC87	IEC80B5	250	85	19	130	165	200	5	6	21.8	40	12
	IEC90B5		85	24	130	165	200	5	8	27.3	50	12
	EC100/112B5		92	28	180	215	250	5	8	31.3	60	15
	EC132B5		128	38	230	265	300	5	10	41.3	80	15
	IEC160B5		150	42	250	300	350	7	12	45.3	110	19
RC97 FC97 KC97	IEC180B5	300	150	48	250	300	350	7	14	51.8	110	19
	IEC100/112B5		100	28	180	215	250	5	8	31.3	60	15
	EC132B5		120	38	230	265	300	5	10	41.3	80	15
	IEC160B5		150	42	250	300	350	7	12	45.3	110	19
	EC180B5		150	48	250	300	350	7	14	51.8	110	19
	IEC200B5		150	55	300	350	400	8	16	59.3	110	19
RC107 FC107 KC107	IEC225B5	350	180	60	350	400	450	8	18	64.4	140	19
	IEC100/112B5		80	28	180	215	250	5	8	31.3	60	15
	EC132B5		119	38	230	265	300	5	10	41.3	80	15
	EC160B5		150	42	250	300	350	7	12	45.3	110	19
	EC180B5		150	48	250	300	350	7	14	51.8	110	19
	IEC200B5		170	55	300	350	400	8	16	59.3	110	19
RC137	EC225B5	400	200	60	350	400	450	8	18	64.4	140	19
	EC132B5		130	38	230	265	300	5	10	41.3	80	15
	EC160B5		162	42	250	300	350	7	12	45.3	110	19
	IEC180B5		162	48	250	300	350	7	14	51.8	110	19
	IEC200B5		170	55	300	350	400	8	16	59.3	110	19
	IEC225B5		197	60	350	400	450	8	18	64.4	140	19
RC147 FC127 KC127	IEC132B5	450	123	38	230	265	300	5	10	41.3	80	15
	IEC160B5		206	42	250	300	350	7	12	45.3	110	19
	IEC180B5		206	48	250	300	350	7	14	51.8	110	19
	EC200B5		206	55	300	350	400	8	16	59.3	110	19
	EC225B5		197	60	350	400	450	8	18	64.4	140	19
	EC250B5		220	65	450	500	550	10	18	69.4	140	19
	EC280B5		220	75	450	500	550	10	20	79.9	140	19
RC167 FC157 KC157/167/187	EC160B5	550	190	42	250	300	350	7	12	45.3	110	19
	IEC180B5		190	48	250	300	350	7	14	51.8	110	19
	IEC200B5		190	55	300	350	400	8	16	59.3	110	19
	IEC225B5		220	60	350	400	450	8	18	64.4	140	19
	IEC250B5		220	65	450	500	550	10	18	69.4	140	19
	IEC280B5		220	75	450	500	550	10	20	79.9	140	19



P	Tipo di riduttore - Gear unit type		
	RC	FC	KC
90	07	--	--
120	17, 27, 37	27, 37, 47	37
160	47,57,67	57, 67	47, 57, 67
200	77	77	77
250	87	87	87
300	97	97	97
350	107	107	107
400	137	--	--
450	147	127	127
550	167	157	157, 167, 187

NOTE: -- misure indicative dei motori elettrici.

NOTE: -- indicative dimension of electric motors.

	56	63M	71M	80M	90S 90L	100L	112M	132S 132M	160M 160L	180M 180L	200L	225S 225M	250M	280S 280M	315S 315M
Q	192	213	230	256	278 304	345	360	445	560 605	605 640	700	710 735	800	890 940	1000 1050
Y	117	124	140	156	174	14	218	256	310	350	390	440	490	550	610
L	95	95	110	120	125	145	155	190	240	270	300	330	350	390	510

I dati della tabella di cui sopra sono indicativi, per i valori precisi contattare il nostro ufficio tecnico.

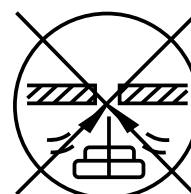
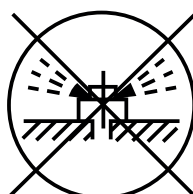
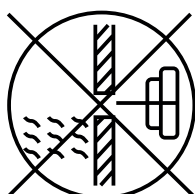
The data in the above table is only for reference, if you need accurate data, please contact us.

Simboli usati - Symbols used

Tappo di livello olio - Oil level plug

Tappo di sfiato - Breather valve

Tappo di livello olio - Oil level plug



Prima di far ruotare il riduttore occorre riempirlo di lubrificante con l'adeguata viscosità valutando la temperatura ambiente. Dopo circa 200/300 ore di funzionamento, andrebbe sostituito l'olio. Successivamente tenere controllato il livello dell'olio e sostituirlo ogni 5000 ore di funzionamento. La quantità di lubrificante dipende dalla posizione di montaggio.

Senza indicazioni da parte del cliente il riduttore sarà lubrificato con olio ISO VG 220 e la quantità corrisponderà alla posizione M1. Se la posizione di lavoro sarà diversa da quella standard, il cliente dovrà adeguare la quantità d'olio e la posizione dei tappi in funzione della nuova posizione di montaggio.

Before putting into operation, we should add lubrication with proper viscosity into the reducer according to the real ambient temperature. The newly-used reducer should change the oil for the first time after running for 200-300 hours. In the future use, it should check the lubricant oil regularly, and replace the impurity or deteriorated oil in the time. Generally speaking, if reducer works for long term continuously, it should replace lubricant every year or every 5000 hours.

Lubrication volume is related to the mounting position and driven stage of the reducer. Without special specification, the reducer will be added with ISO VG 220 industrial gear oil of GB/T5903 according to the M1 mounting position before transported to the customer. If the real mounting position is different from the ordered one, customer should change the volume of lubrication according to the chart of Lubrication Volume during the operation of the reducer.

Tipo di lubrificazione - Lubrication type

	Tipo di lubrificazione Lubrication type	Temperatura d'ambiente - Ambient temperature					
		Lubrificante minerale - Mineral lubricant				Lubrificante sintetico - Synthetic lubricant	
		-10~+40	-20~+25	-30~+10	-40~+20	-40~+80	-40~+10
RC..	ISO ISO viscosity class	VG220	VG150 VG100	VG68-46 VG32	VG22 VG15	VG220	VG32
FC..		Shell Omala Oil 220	Shell Omala Oil 100	Shell Tellus T 32	Shell Tellus T 15	Shell Omala 220 HD	
KC..		Mobilgear 630	Mobilgear 627	Mobil D.T.E. 13M	Mobil D.T.E. 11M	Mobil SHC 630	Mobil SHC 624
		BP Energol GR-XP220	BP Energol GR-XP100		BP Energol GR-HM10		

Tabelle per le quantità di lubrificante - Sheets of lubricant fill quantities

RC../RC..F

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
RC07/RC07F	0.12	0.20	0.20	0.20	0.20	0.20
RC17/RC17F	0.25	0.55	0.35	0.55	0.35	0.35
RC27/RC27F	0.25/0.40	0.70	0.50	0.70	0.50	0.50
RC37/RC37F	0.39/0.95	0.85	0.95	1.05	0.75	0.95
RC47/RC47F	0.70/1.50	1.60	1.50	1.65	1.50	1.50
RC57/RC57F	0.80/1.70	1.90	1.70	2.10	1.70	1.70
RC67/RC67F	1.10/2.3	2.6/3.5	2.80	3.20	1.80	2.00
RC77/RC77F	1.20/3.0	3.8/4.1	3.60	4.10	2.50	3.40
RC87/RC87F	2.3/3.6	6.7/8.2	7.20	7.70	6.30	6.50
RC97	4.6/9.8	11.7/14.0	11.7	13.4	11.3	11.7
RC107	6.0/13.7	16.3	16.9	19.2	13.2	15.9
RC137	10.0/25.0	28.0	29.5	31.5	25.0	25.0
RC147	15.4/40.0	46.5	48.0	52.0	39.5	41.0
RC167	27.0/70.0	82.0	78.0	88.0	66.0	69.0

RCF..

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
RCF07	0.12	0.20	0.20	0.20	0.20	0.20
RCF17	0.25	0.55	0.35	0.55	0.35	0.35
RCF27	0.25/0.40	0.70	0.50	0.70	0.50	0.50
RCF37	0.39/0.95	0.90	0.95	1.05	0.75	0.95
RCF47	0.65/1.50	1.60	1.50	1.65	1.50	1.50
RCF57	0.80/1.70	1.80	1.70	2.00	1.70	1.70
RCF67	1.20/2.5	2.7/3.6	2.70	3.10	1.90	2.10
RCF77	1.20/2.6	3.8/4.1	3.30	4.10	2.40	3.00
RCF87	2.4/6.0	6.8/7.9	7.10	7.70	6.30	6.40
RCF97	5.1/10.2	11.9/14.0	11.2	14.0	11.2	11.8
RCF107	6.3/14.9	15.9	17.0	19.2	13.1	15.9
RCF137	9.5/25.0	27.0	29.0	32.5	25.0	25.0
RCF147	16.4/42.0	47.0	48.0	52.0	42.0	42.0
RCF167	26.0/70.0	82.0	78.0	88.0	65.0	71.0

FC../FCA../FCH../FCV..

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
FC..27	0.60	0.80	0.70	0.70	0.60	0.60
FC..37	0.95	1.25	0.70	1.25	1.00	1.10
FC..47	1.50	1.80	1.10	1.90	1.50	1.70
FC..57	2.60	3.50	2.10	3.50	2.80	2.90
FC..67	2.70	3.80	1.90	3.80	2.90	3.20
FC..77	5.90	7.30	4.30	8.00	6.00	6.30
FC..87	10.8	13.0	7.70	13.8	10.8	11.0
FC..97	18.5	22.5	12.6	25.2	18.5	20.0
FC..107	24.5	32.0	19.5	37.5	27.0	27.0
FC..127	40.5	55.0	34.0	61.0	46.5	47.0
FC..157	69.0	104	63.0	105	86.0	78.0

FCF..

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
FCF27	0.60	0.80	0.70	0.70	0.60	0.60
FCF37	1.00	1.25	0.70	1.30	1.00	1.10
FCF47	1.60	1.85	1.10	1.90	1.50	1.70
FCF57	2.80	3.50	2.10	3.70	2.90	3.00
FCF67	2.70	3.80	1.90	3.80	2.90	3.20
FCF77	5.90	7.30	4.30	8.10	6.00	6.30
FCF87	10.8	13.2	7.80	14.1	11.0	11.2
FCF97	19.0	22.5	12.6	25.5	18.9	20.5
FCF107	25.5	32.0	19.5	38.5	27.5	28.0
FCF127	41.5	56.0	34.0	63.0	46.5	49.0
FCF157	72.0	105	64.0	106	87.0	79.0

FCA../FCH../FCV../FCAF../FCHF../FCVF../FCAZ../FCHZ../FCVZ..

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
FC..27	0.60	0.80	0.70	0.70	0.60	0.60
FC..37	0.95	1.25	0.70	1.25	1.00	1.10
FC..47	1.50	1.80	1.10	1.90	1.50	1.70
FC..57	2.70	3.50	2.10	3.40	2.90	3.00
FC..67	2.70	3.80	1.90	3.80	2.90	3.20
FC..77	5.90	7.30	4.30	8.00	6.00	6.30
FC..87	10.8	13.0	7.70	13.8	10.8	11.0
FC..97	198.5	22.5	12.6	25.0	18.5	20.0
FC..107	24.5	32.0	19.5	37.5	27.0	27.0
FC..127	39.0	55.0	34.0	61.0	45.0	46.5
FC..157	68.0	103	62.0	104	85.0	77.0

KC../KCA..B/KCH..B/KCV..B

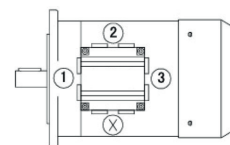
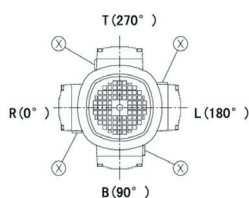
Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
KC..37	0.50	1.00	1.00	1.30	0.95	0.95
KC..47	0.80	1.30	1.50	2.00	1.60	1.60
KC..57	1.20	2.30	2.50	3.00	2.60	2.40
KC..67	1.10	2.40	2.60	3.40	2.60	2.60
KC..77	2.20	4.10	4.40	5.90	4.20	4.40
KC..87	3.70	8.00	8.70	10.9	8.00	8.00
KC..97	7.00	14.0	15.7	20.0	15.7	15.5
KC..107	10.0	21.0	25.5	33.5	24.0	24.0
KC..127	21.0	41.5	44.0	54.0	40.0	41.0
KC..157	31.0	62.0	65.0	90.0	58.0	62.0
KC..167	33.0	95.0	105	123	85.0	84.0
KC..187	53.0	152	167	200	143	143

KCF..

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
KCF37	0.50	1.10	1.10	1.50	1.00	1.00
KCF47	0.80	1.30	1.70	2.20	1.60	1.60
KCF57	1.30	2.30	2.70	3.20	2.90	2.70
KCF67	1.10	2.40	2.80	3.60	2.70	2.70
KCF77	2.10	4.10	4.40	6.00	4.50	4.50
KCF87	3.70	8.20	9.00	11.9	8.40	8.40
KCF97	7.00	14.7	17.3	21.5	15.7	16.5
KCF107	10.0	22.0	26.0	35.0	25.0	25.0
KCF127	21.0	41.5	46.0	55.0	41.0	41.0
KCF157	31.0	66.0	69.0	92.0	62.0	62.0

KCA../KCH../KCV../KCAF../KCHF../KCVF../KCAZ../KCHZ../KCVZ..

Tipo di riduttore Gear unit type	Quantità di riempimento in litri (L) - Fill quantity in liters (L)					
	M1	M2	M3	M4	M5	M6
KC..37	0.50	1.00	1.00	1.40	1.00	1.00
KC..47	0.80	1.30	1.60	2.10	1.60	1.60
KC..57	1.30	2.30	2.70	3.20	2.90	2.70
KC..67	1.10	2.40	2.70	3.60	2.60	2.60
KC..77	2.10	4.10	4.60	6.00	4.40	4.40
KC..87	3.70	8.20	8.80	11.1	8.00	8.00
KC..97	7.00	14.7	15.7	20.0	15.7	15.7
KC..107	10.0	20.5	24.0	32.0	24.0	24.0
KC..127	21.0	41.5	43.0	52.0	40.0	40.0
KC..157	31.0	66.0	67.0	87.0	62.0	62.0
KCH167	33.0	95.0	105	123	85.0	84.0
KCH187	53.0	152	167	200	143	143



In questa tabella vengono mostrate le diverse posizioni della morsettiera del motore. In fase d'ordine per un riduttore completo di motore è importante specificarle.

This table shows the different positions of the motor terminal box. When ordering a complete gearbox with motor, it is important to specify them.

Specifica del simbolo di prestazione - Specification of performance symbol

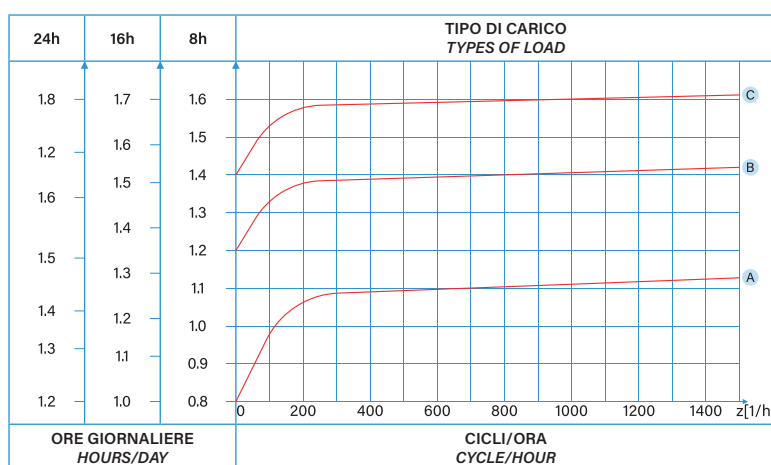
Simbolo - Symbol	Specificazione - Specification
P1 (kw)	Potenza del motore - Power of motor
n2 (1/min)	Velocità di uscita - Output speed
M2 (Nm)	Coppia in uscita - Output torque
i	Rapporto - Ratio
Fr (N)	Carico radiale ammesso lato uscita - Permissible overhung load output side
K	Fattore di servizio - Service factor

Fattore di servizio dei riduttori - Service coefficient (K) of reducer

Normalmente un riduttore viene scelto per fornire una coppia costante senza frequenti avviamenti e arresti con una temperatura ambiente normale. Però per fare una scelta corretta di un motoriduttore, si devono considerare le condizioni ambientali, le ore giornaliere di funzionamento, e gli eventuali start e stop del gruppo, che possono influenzare la durata del riduttore. Ecco perché è importante considerare il fattore di servizio K, per fare una corretta scelta del riduttore. Controllare il diagramma che raggruppa i tre diversi tipi di carico A, B e C.

Reducer is designed on constant torque, non-frequent start and stop and normal temperature. To select reducer, we must consider the practical working conditions of reducer influence factors like load types of reducer (A, B, C), daily working hours and startup frequency (time/hour) will all influence the working of reducer. We synthesize those factors into a calculation coefficient for model selection-service-coefficient (K), in order to make a correct selection of reducer.

Grafico del fattore di servizio - Service coefficient (K) selecting chart



A,B,C sono curve di carico:

- A è quella che considera un carico leggero;
- B è quella che considera un carico medio;
- C è quella che considera un carico gravoso.

A, B, C are load types:

- A is proportion load;
- B is medium impact load;
- C is heavy impact load.

La temperatura ambiente deve essere presa in considerazione nella scelta del motoriduttore. Se la temperatura d'ambiente cambia, il fattore di servizio K deve essere modificato.

- Temperatura dell'ambiente 30/40°; K*1,15-1,35;
- Temperatura dell'ambiente 40/50°; K*1,35-1,65;
- Temperatura ambiente 50/60°; K*1,65-1,80.

The ambient temperature should be taken into consideration properly when select reducer type. If the ambient temperature changes, the selected service coefficient (K) above should be adjusted as following:

- Ambient temperature is 30/40° C: K*1.15-1.35;
- Ambient temperature is 40/50° C: K*1.35-1.65;
- Ambient temperature is 50/60° C: K*1.65-1.80.

Tipo di carico - Load types

Classe di carico Load classification		Tipo di applicazione Application
A - Carico leggero A - Light duty	Avviamenti gradual, carichi uniformi, piccole masse da accelerare. <i>Gradual start, smooth operation, small masses to be accelerated.</i>	Ventilatori • Pompe centrifughe • Pompe rotative a ingranaggi • Trasportatori a nastro con carico uniformemente distribuito • Generatori di corrente Imbottigliatrici • Filatoi • Comandi ausiliari delle macchine utensili <i>Fans • Centrifugal pumps • Rotary gear pumps • Belt conveyors with uniformly distributed load • Power generator • Bottling machines • Spinning machines • Auxiliary controls for machine tools</i>
B - Carico medio B - Medium duty	Leggeri sovraccarichi, condizioni operative irregolari, medie masse da accelerare. <i>Starting with moderate loads, uneven operating conditions, medium size masses to be accelerated.</i>	Telai • Aspi • Trasportatori a nastro con carico vario a tapparella - a coclea - a catena • Traslazione di carri ponte per servizio leggero • Bobinatrici • Agitatori e miscelatori liquidi a densità variabile e viscosi • Macchine per l'industria alimentare • Macchine vagliatrici di pietre e sabbia • Gru e montacarichi. <i>Frames • Reels • Belt conveyors with varied load with transfer of bridge trucks for light duty • Levelling machines • Shakers and mixers for liquids with variable density and viscosity • Machines for the food industry (kneading troughs, mincing machines, slicing machines etc.) Sifting machines for sand gravel • Textile industry machines • Cranes, hoists, goodstifts.</i>
C - Carico gravoso C - Heavy duty	Forti sovraccarichi condizioni operative irregolari, grandi masse da accelerare. <i>Uneven operation, heavy loads, larger masses to be accelerated.</i>	Macchine per laterizi e lavorazioni argilla • Mescolatori • Impastatrici • Betoniere • Compressori e pompe alternative a 1 o più cilindri • Macchine utensili • Limatrici • Piallatrici • Alesatrici • Fresatrici • Laminatoi • Argani elevatori a tazze • Forni rotativi • Molini • Frantoi • Presse • Magli • Seghe alternative • Ventilatori pesanti da miniera • Trasportatori a forti scosse. <i>Machinery for bricks, tiles and clay • Kneaders • Compressors and alternate pumps with 1 or more cylinders • Milling Machines • Lifting winches with buckets • Rotating furnaces • Heavy fans for mining purposes • Conveyors with violent jerks • Mixers • Concrete mizes • Machine-tools • Planing kinds • Alternating saws.</i>

Potenza termica Pt (Kw) - Selection method of reducer

La potenza termica di un riduttore di velocità si riferisce all'energia termica generata durante il funzionamento del riduttore, principalmente a causa delle perdite di attrito e di altri fenomeni di dissipazione energetica. In pratica, quando un riduttore di velocità trasmette potenza meccanica, una parte di questa energia viene convertita in calore causa le perdite di energia dovute all'attrito tra le parti in movimento, come ingranaggi, cuscinetti e lubrificanti. Più un riduttore lavora a carico elevato o a velocità elevate, maggiore sarà la produzione di calore, e quindi la potenza termica generata. È importante considerare questo dato per garantire un corretto raffreddamento e prevenire surriscaldamenti che potrebbero compromettere le prestazioni o la durata del riduttore. Nel caso di temperature ambiente elevate, alte velocità in ingresso, alte potenze installate è opportuno considerare eventuali fattori correttivi. Consigliamo di contattare il nostro ufficio tecnico che vi potrà aiutare nella scelta del riduttore.

The thermal power of a gearbox refers to the thermal energy generated during the operation of the reducer, mainly due to friction losses and other energy dissipation phenomena. When a speed gearbox transmits mechanical power, a part of this energy is converted into heat due to energy losses due to friction between moving parts, such as gears, bearings and lubricants. More a gearbox works at high load or high speeds, more produce heat, and therefore the thermal power generated. It is important to consider this data to ensure correct cooling and prevent overheating that could compromise the performance or life of the gearbox. In the case of high ambient temperatures, high input speeds, high installed powers, it is appropriate to consider any corrective factors. We recommend contacting our technical office who can help you in choosing the gearbox.

Guida sulla selezione dei riduttori - Selection method of reducer

- Occorre tenere in considerazione i seguenti parametri:
 - Ore di funzionamento giornaliero;
 - Frequenza avviamenti e arresti ogni ora;
 - Tipo di carico;
 - Temperatura ambiente;
 - Velocità in uscita N2 e rapporto di trasmissione;
 - La coppia in uscita M2 richiesta al riduttore deve essere calcolata in funzione del carico da trasmettere.
- Scegliere l'adatto fattore di servizio K basato sulle condizioni attuali e modificandolo eventualmente in funzione della temperatura ambiente.

- Make sure of following parameter:
 - Operating hours per day;
 - Times of start and stop per hour;
 - Load types;
 - Ambient temperature;
 - Output rotate speed N2 and transmission ratio;
 - The output torque M2 req of reducer is calculated according to the load of transmission system.
- Choosing suitable service coefficient (K) based on actual condition, and amending the selected service coefficient (K) through ambient temperature.

- Eventualmente modificare il fattore di servizio K in modo che sia maggiore di 1.

Controllare il carico in uscita del motoriduttore:

- Se l'albero lento del riduttore è soggetto a carichi radiali importanti, occorre verificare i valori massimi sopportabili tramite questa formula:

$$R = \frac{2000 \cdot M \cdot K}{D}$$

Ove:

- R = carico radiale (N)
- M = momento torcente (Nm)
- D = diametro esterno della ruota per catena, puleggia, tamburo, ingranaggio ecc.
- K = è un coefficiente che dipende dal tipo di trasmissione che può essere così assunto:

1. Trasmissione con ruota per catena	K = 1
2. Trasmissione con ingranaggio	K = 1,25
3. Trasmissione con cinghia a V	K = 1,5

Il carico radiale effettivo così determinato non dovrà mai superare il carico radiale massimo ammissibile, riportato nei diagrammi o tabelle riportate nei cataloghi di ogni serie di riduttori.

Nota: tale verifica deve essere fatta sia per gli alberi di entrata che per quelli di uscita utilizzando i rispettivi valori e costanti.

Correzione per carico non in mezzzeria

I carichi radiali massimi ammissibili indicati nelle relative sezioni di ogni serie di riduttori si intendono applicati alla mezzzeria dell'albero.

Qualora il carico radiale esterno non sia applicato esattamente nella mezzzeria dell'albero di entrata o di uscita, ma in una sezione diversa, il carico radiale massimo ammissibile potrà essere ricavato applicando la seguente formula:

$$R_x = \frac{R \cdot a}{b+x}$$

Ove:

- x = distanza del punto di applicazione del carico dallo spallamento dell'albero;
 - R = carico radiale ammissibile in mezzzeria;
 - R_x = carico radiale applicato alla distanza x;
 - a, b = costanti del riduttore generalmente ricavabili dalle tabelle riportate nelle relative sezioni di ogni serie di riduttori; nel caso tali tabelle non siano disponibili, i carichi ammissibili relativi ai carichi in mezzzeria possono essere corretti, in prima approssimazione, come segue:
1. Per carico applicato a 0,3 L: moltiplicare i valori ammissibili per 1,25
 2. Per carico applicato a 0,75 L: dividere i valori ammissibili per 1,25.

- Amending the adjusted service coefficient (K) based on actual condition, and amending the selected service coefficient (K) through ambient temperature.

Checking output shaft load of reducer:

- If the output shaft of reducer need to bear radial load, it must check the output shaft endurance as following methods:

$$R = \frac{2000 \cdot M \cdot K}{D}$$

Where:

- R = radial load (N)
- M = torque (Nm)
- D = is the outside diameter of the wheel for chains, pulleys, sprockets, gears, etc...
- K = this coefficient is related to the type of transmission and can be summarized as follows:

1. Drive with chain sprocket	K = 1
2. Gear drive	K = 1.25
3. V belt drive	K = 1.5

The actual radial load calculated with this formula should never be greater than the diagrams or tables given in the catalogue for each individual line of gearboxes.

Note: This check is to be made for both the input and output shafts using the respective values and constants.

Correcting the outer radial load when not on the center-line

The maximum radial loads allowed indicated in the relative sections of each gearbox are intended applied to the shaft centre line.

If the external radial load is not applied exactly at the center-line of the input or output shaft but in a different section, the maximum allowable radial load can be calculated using the formula given below:

$$R_x = \frac{R \cdot a}{b+x}$$

Where:

- x is the distance between the point in which the load is applied and the shaft shoulder;
 - R is the allowable radial load on the center-line;
 - R_x is the radial load applied at distance x;
 - a, b are gearbox constants, usually found in the tables in the catalogues that deal with each individual line of gearboxes. If these tables are not available, the allowable loads regarding loads applied on the rough estimate, as follows:
1. For loads applied at 0.3 L: multiply the allowable loads by 1.25
 2. For loads applied at 0.75 L: divide the allowable loads by 1.25.

Ove:

L = sporgenza dell'albero dallo spallamento.

Tutti i carichi radiali massimi ammissibili riportati nelle tabelle sono riferiti alla posizione angolare del carico esterno più sfavorevole; inoltre, essi sono relativi alla situazione nella quale al riduttore viene applicata la coppia massima ammissibile.

Correzione per carichi variabili

Se i carichi radiali esterni sono variabili, occorre calcolare il carico radiale equivalente R_{eq} utilizzando la formula:

$$R_{eq} = \left(\frac{R_1^3 \cdot n_1 \cdot h_1}{n \cdot h} + \frac{R_2^3 \cdot n_2 \cdot h_2}{n \cdot h} + \dots \right)^{0.33}$$

Ove:

- $n \cdot h$ velocità di rotazione durata di progetto in ore
- $n_1 \cdot h_1$ velocità di rotazione durata al carico R_1 in ore
- $n_2 \cdot h_2$ velocità di rotazione durata al carico R_2 in ore
- ecc.

Il valore R_{eq} viene quindi confrontato con i valori massimi ammissibili.

Where:

L = length of shaft from shoulder.

All the maximum allowable radial loads given in the tables refer to the worst external load angle. In addition, they refer to the condition when the maximum allowable torque is applied on the gearbox.

How to correct variable loads

If the outer radial load varies, the equivalent radial load R has to be calculated as follows:

$$R_{eq} = \left(\frac{R_1^3 \cdot n_1 \cdot h_1}{n \cdot h} + \frac{R_2^3 \cdot n_2 \cdot h_2}{n \cdot h} + \dots \right)^{0.33}$$

Where:

- $n \cdot h$ is rotational speed running hours
- $n_1 \cdot h_1$ is rotational speed number of running hours with load R_1
- $n_2 \cdot h_2$ is rotational speed number of running hours with load R_2
- ecc.

Value R_{eq} is then compared to the maximum allowable values.

Carichi assiali esterni - Outer axial loads

I carichi assiali esterni ammissibili, agenti in combinazione a carichi radiali, sono pari al 20% del corrispondente carico radiale massimo.

The axial load that can be withstood, when combined with external radial loads, is 20% of the corresponding maximum external radial load.

Tabella di conversione del carico radiale dell'albero di uscita - Conversion table for output shaft radial load

Tipo di riduttore Gear unit type	a (mm)	b (mm)	c (Nmm)	f (mm)	d (mm)	i (mm)
RC07	72.0	52.0	4.67 • 104	11	20	40
RC17	88.5	68.5	6.527 • 104	17	20	40
RC27	106.5	81.5	1.56 • 105	11.8	25	50
RC37	118.0	93.0	1.24 • 105	0	25	50
RC47	137.0	107.0	2.44 • 105	15	30	60
RC57	147.5	112.5	3.77 • 105	18	35	70
RC67	168.5	133.5	2.51 • 105	0	35	70
RC77	173.7	133.7	3.97 • 105	0	40	80
RC87	216.7	166.7	8.47 • 105	0	50	100
RC97	255.5	195.5	1.19 • 106	0	60	120
RC107	285.5	215.5	2.06 • 106	0	70	140
RC137	343.5	285.5	6.14 • 106	30	90	170
RC147	402.0	297.0	8.65 • 106	30	110	210
RC167	450.0	345.0	1.26 • 107	0	120	210
FC27	109.5					
FC37	123.5					
FC47	153.5	98.5	6.0 • 104	0	20	40
FC57	170.7	105	1.33 • 105	0	25	50
FC67	181.3	120	2.14 • 105	0	30	60
FC77	215.8	149	3.04 • 105	0	35	70
FC87	263	179	5.26 • 105	0	45	90
FC97	350	221.5	1.68 • 106	0	60	120
FC107	373.5	256.3	2.54 • 106	0	70	140
FC127	442.5					
FC157	512					
KC37	123.5	98.5	1.41 • 105	0	25	50
KC47	153.5	123.5	1.78 • 105	0	30	60
KC57	169.7	134.7	6.8 • 105	31	35	70
KC67	181.3	141.3	4.12 • 105	0	40	80
KC77	215.8	165.8	7.69 • 105	0	50	100
KC87	252	192	1.64 • 106	0	60	120
KC97	319	249	2.8 • 106	0	70	140
KC107	373.5	288.5	5.53 • 106	0	90	170
KC127	443.5	338.5	8.31 • 106	0	110	210
KC157	509	404	1.18 • 107	0	120	210
KC167	621.5	496.5	1.88 • 107	0	160	250
KC187	720.5	560.5	3.04 • 107	0	190	320

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