▪ QUICK SELECTION / Selezione veloce

input speed (n_1) = 1400 min^{-1}

Output Speed n_2 [min^{-1}]	Ratio i	Motor power P_{1M} [kW]	Output torque M_{2M} [Nm]	Service factor f.s.	Nominal power P_{1R} [kW]	Nominal torque M_{2R} [Nm]	Available B5 motor flanges -B 63	-C 71	-D 80	-E 90	-F 100 112	Available B14 motor flanges -Q 71	-R 80	-T 90	-U 100 112	⊘	Output Shaft ø	Ratios code
231	6.06	2.2	86	0.9	2.02	80	B					C	C			2821		01
150	9.31	1.5	91	1.0	1.48	90	B					C	C			2813		02
128	10.96	1.5	107	1.0	1.53	110	B					C	C			1921		03
110	12.71	1.5	124	1.0	1.50	125	B					C	C			1721		04
94	14.91	1.5	146	1.0	1.45	142	B					C	C			1521		05
83	16.83	1.5	165	0.9	1.36	150	B					C	C			1913		06
79	17.80	1.1	127	1.2	1.29	150	B					C	C			1321		07
72	19.51	1.1	140	1.1	1.17	150	B					C	C			1713		08
61	22.90	1.1	164	0.9	1.00	150	B					C	C			1513		09
58	24.30	1.1	174	0.9	0.94	150	B					C	C			1021		10
54	26.15	0.75	128	1.2	0.88	150	B					C	C			1910	standard ø25	11
51	27.34	0.75	134	1.1	0.84	150	B					C	C			1313		12
46.2	30.31	0.75	149	1.0	0.76	150	B					C	C			1710		13
44.1	31.71	0.75	156	1.0	0.72	150	B					C	C			921		14
39.4	35.57	0.75	175	0.9	0.64	150	B					C	C			1510		15
37.5	37.32	0.55	135	1.1	0.61	150	B					C	C			1013		16
33.0	42.46	0.55	154	1.0	0.54	150	B					C	C			1310		17
28.7	48.70	0.55	176	0.9	0.47	150	B					C	C			913		18
24.2	57.96	0.37	140	1.1	0.40	150	B					C	C			1010		19
21.8	64.31	0.37	156	1.0	0.36	150	B					C	C			713		20
18.5	75.64	0.25	124	1.2	0.30	150	B					C	C			910		21
14.0	99.89	0.25	163	0.9	0.23	150	B					C	C			710		22

The dynamic efficiency is **0.96** for all ratios

Motor Flanges Available / Flange Motore Disponibili
B) **Supplied with Reduction Bushing** / Fornito con Bussola di Riduzione
B) **Available on Request without reduction bushing** / Disponibile a Richiesta senza Bussola di Riduzione
C) **Motor Flange Holes Position** / Posizione Fori Flangia Motore

EN Unit **FA32** is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary.
See table 1 for lubrication and recommended quantity.
In table 2 please see possible radial loads and axial loads on the gearbox.

I Il riduttore **FA32** viene fornito completo di olio sintetico per la lubrificazione permanente e non necessita di alcuna manutenzione.
Vedi tab.1 per oli e quantità consigliati.
In tab.2 sono presenti i carichi radiali e assiali applicabili al riduttore.

D Das Getriebe **FA32** ist mit synthetischem Öl gefüllt und ist lebensdauergeschmiert.
In Tabelle 1 ist die Schmiermenge und das empfohlene Schmiermittel angegeben.
In Tabelle 2 sind die zulässigen Radial - und Axialbelastungen des Getriebes aufgeführt.

F Le réducteur **FA32** est fourni complet avec de l'huile synthétique pour la lubrification permanente et ne nécessite aucun entretien.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Les charges radiales et axiales applicables au réducteur sont précisées dans le tableau 2.

E El reductor tamaño **FA32** se suministra, lubricado de por vida con aceite sintético y no requieren mantenimiento alguna.
Ver tabla 1, para cantidades y aceites recomendados.
En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

Standard supplied	For these mounting position specify in the order or add oil / Per queste posizioni specificare in fase d'ordine o aggiungere olio				
H1	H4	H3	H2	H5	H6
0.65 LT	0.50 LT	0.50 LT	0.60 LT	0.80 LT	0.65 LT
SHELL Omala S4 WE 320			**ENI** Telium VSF 320		

For all details on lubrication and plugs check our website — **tab. 1**
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

RADIAL AND AXIAL LOADS

Output shaft / Albero di uscita

$F_{eq} = F_R \cdot \dfrac{106}{X+80}$

F_R (N)
F_A (N)
F_{eq} (N)

n_2 [min^{-1}]	FA	FR	n_2 [min^{-1}]	FA	FR	n_2 [min^{-1}]	FA	FR
300	250	1250	140	360	1800	70	470	2350
250	270	1350	120	380	1900	40	550	2750
200	320	1600	85	440	2200	15	560	2800

On request reinforced bearings to increase loads.
A richiesta cuscinetti rinforzati per aumentare i carichi.

Input shaft / Albero in entrata

F_R (N)
F_A (N)

n_1	FA	FR
1400	240	1200
900	280	1400
500	340	1700

tab. 2

7

PFA32C... Basic gearbox
Riduttore base

| Gearbox weight peso riduttore | **7.0 kg** |

M. flanges	Kit code	øF	A
63B5	K063.4.041	140	176.5
71B5	K063.4.042	160	174.5
80/90B5	K063.4.043	200	176.5
100/112B5	KC40.4.043	250	191.5
71B14	K063.4.047	105	174.5
80B14	K063.4.046	120	176.5
90B14	K063.4.041	140	176.5
100/112B14	KC40.4.041	160	191.5

Standard
Hollow shaft

4 holes M8x12

3 holes M6x11
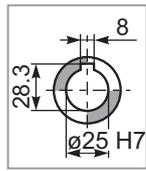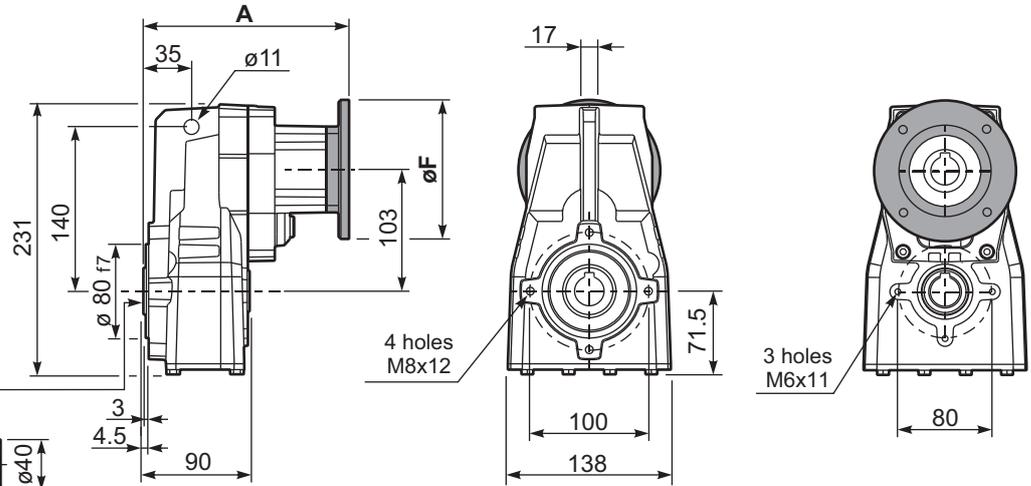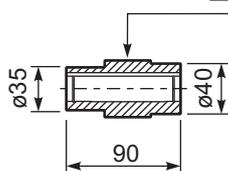
PFA32...**-F**... Output flange
Flangia uscita

Motor Flange	k1
63B5	208
71B5	206
80/90B5	208
100/112B5	223
71B14	206
80B14	208
90B14	208
100/112B14	223
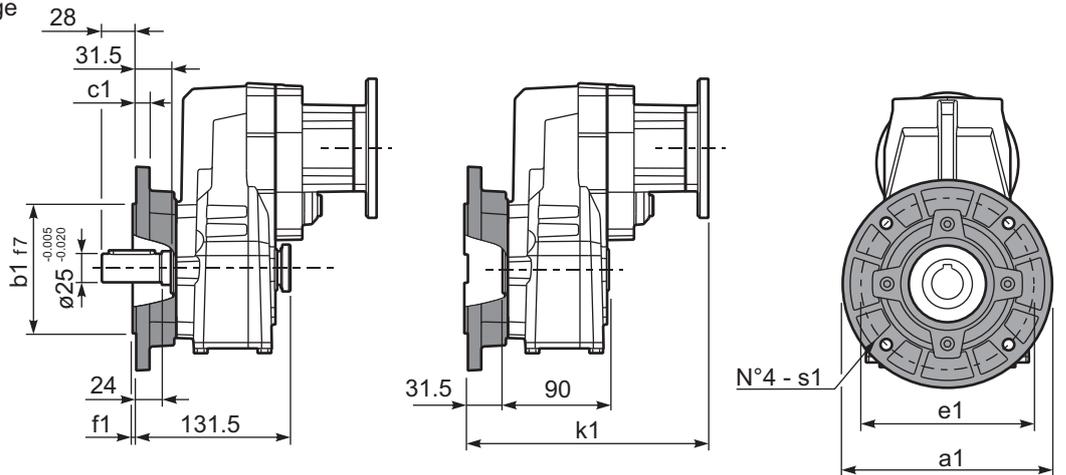
Available output flanges
Flange di uscita

a1 ø	b1	c1	e1	f1	s1	Kit code
160	110	10	130	3	9	KX4A.9.010
200	130	11	165	3.5	11	KX4A.9.011
-	-	-	-	-	-	-

N°4 - s1

RFA32C... Input Shaft
Albero in entrata

M6x16
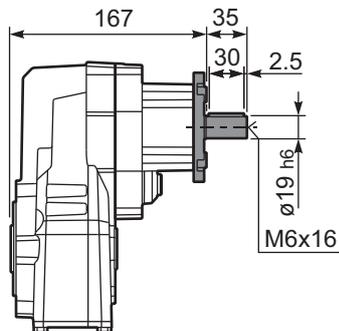
PFA32 **A**... Single output shaft
Albero uscita semplice

Kit. Cod KF30.5.028

M8x20

7