



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]	B5 motor flanges				B14 motor flanges					Output Shaft $\varnothing$	Ratios code
							-F	-G	-H	-I	-	-	-	-			
							100 112	132	160	180	-	-	-	-			
236	5.94	22	806	1.0	21.0	800	B				not available				302915	standard $\varnothing 50$ On request	01
196	7.13	18.5	812	1.0	17.9	820	B								302913		02
163	8.58	18.5	977	1.0	17.3	950	B								302911		03
125	11.20	15	1033	1.0	13.9	1000	B								202915		04
104	13.43	15	1239	1.1	15.7	1350	B								202913		05
92	15.15	15	1397	1.0	14.4	1400	B								162915		06
87	16.17	15	1492	1.0	14.0	1450	B								202911		07
77	18.16	15	1675	0.9	13.3	1550	B								162913		08
71	19.70	11	1335	1.2	12.3	1550	B								132915		09
64	21.87	11	1482	1.1	11.4	1600	B								162911		10
59	23.62	11	1600	1.0	10.6	1600	B								132913		11
48.4	28.91	9	1671	1.0	8.6	1600	B								112913		12
40.2	34.81	7.5	1618	1.0	7.2	1600	B								112911		13
33.5	41.81	5.5	1436	1.1	6.0	1600	B								82913		14
27.8	50.34	5.5	1729	0.9	5.0	1600	B								82911		15

The dynamic efficiency is **0.94** 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 **X93C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
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 tipo **X93C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße **X93C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
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 de type **X93C** est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

E El reductor tamaño **X93C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético.
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					
B3	B6	B7	B8	V5	V6	V8
4.20 LT	3.60 LT	4.40 LT	5.10 LT	7.10 LT	5.00 LT	Ask
AGIP Blasias 460						

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

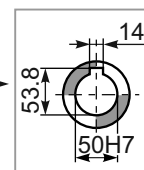
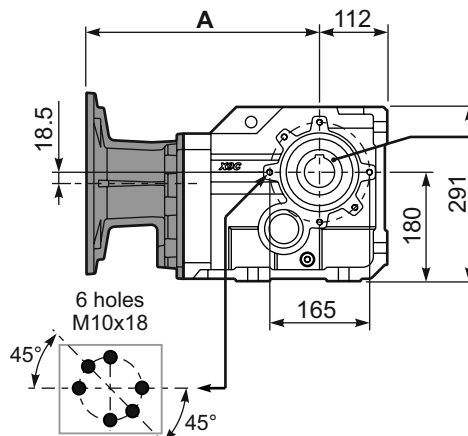
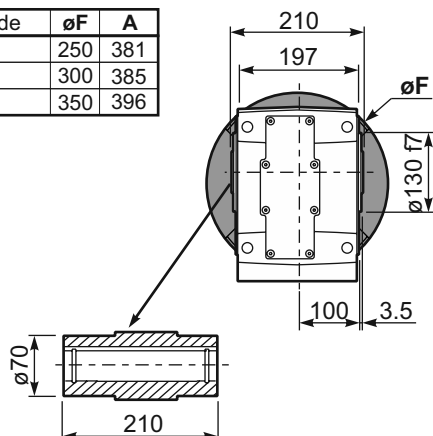
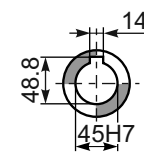
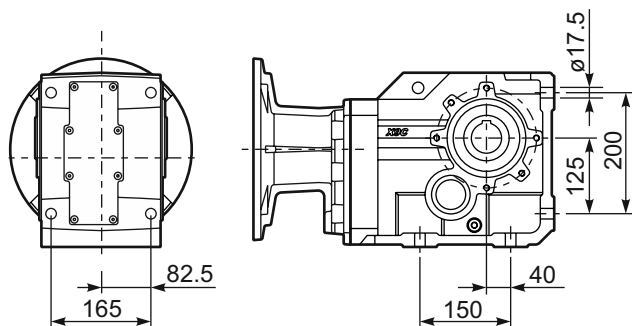
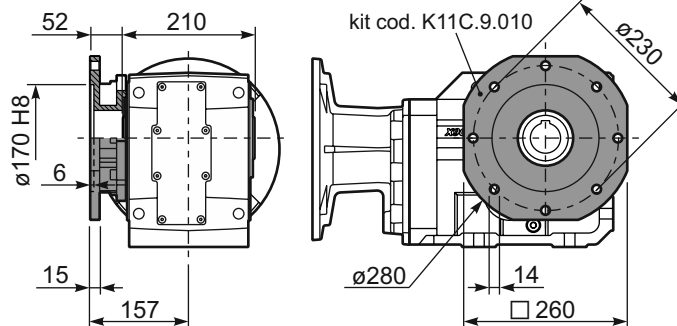
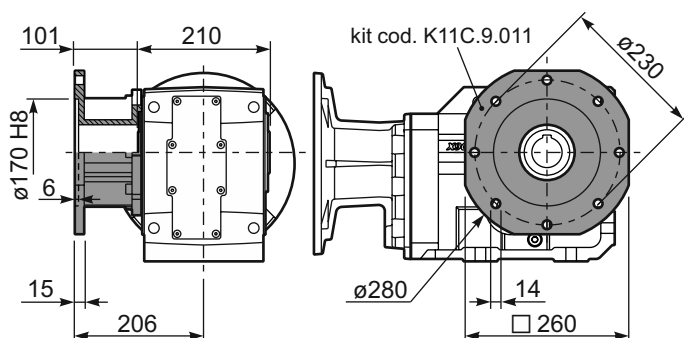
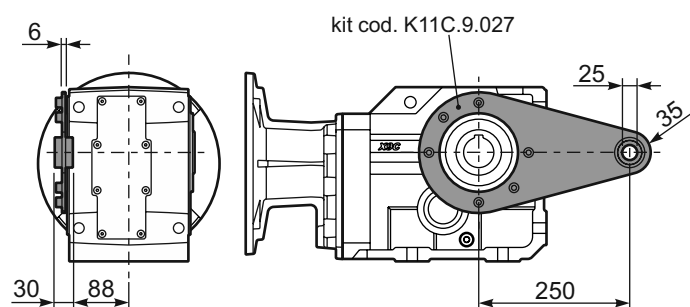
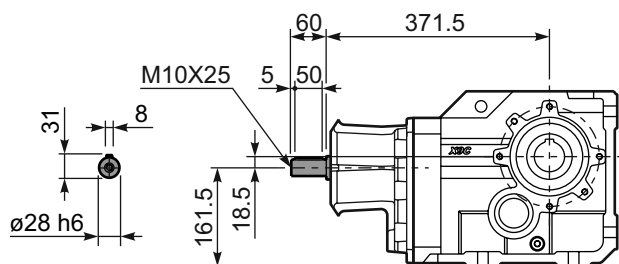
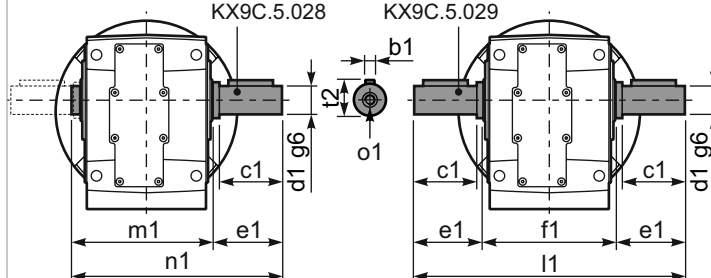
tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{218}{X+168}$					
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1800	9000	140	2700	13500	70	3020	15100
250	2400	12000	120	2800	14000	40	3200	16000
200	2600	13000	85	2900	14500	15	3500	17500
Input shaft Albero in entrata								
n_1	FA	FR						
1400	700	3500						
900	840	4200						
500	900	4500						

tab. 2

PX93CC...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**75.0 kg**

M. flanges	Kit code	øF	A
100/112B5	-	250	381
132B5	-	300	385
160/180B5	-	350	396

**Standard**
Hollow shaft**On request**
A richiesta**Mounting holes position**
Posizione fori di montaggio**PX93C...FB..**Feet
Piedini**PX93C...-FC..**Output flange
Flangia uscita**PX93C...-FL..**Output flange
Flangia uscita**PX93C...BR..**Reaction Arm
Braccio di reazione**RX93C...**Input shaft
Albero in entrata**PX93CA...**Single shaft
Albero lento semplicekit cod.
KX9C.5.028**PX93CB...**Double shaft
Albero lento bisp.kit cod.
KX9C.5.029

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standard	14	100	50	105	210	420	218	323	53.5	M16
-	-	-	-	-	-	-	-	-	-	-



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					Available B14 motor flanges					Output Shaft 	Ratios code
							-C	-D	-E	-F	-G	-R	-T	-U	-V			
							71	80	90	100 112	132	80	90	100 112	132			
45.6	30.70	7.5	1399	1.1	8.3	1600	B									30132913	standard ø50 ø45 On request	01
37.9	36.97	7.5	1685	0.9	6.9	1600	B									30132911		02
29.0	48.26	5.5	1625	1.0	5.3	1600	B									20132915		03
24.2	57.86	4	1425	1.1	4.4	1600	B									20132913		04
21.5	65.24	4	1607	1.0	3.9	1600	B									16132915		05
20.1	69.68	4	1716	1.0	3.8	1650	B									20132911		06
17.9	78.23	3	1450	1.1	3.4	1650	B									16132913		07
16.5	84.85	3	1573	1.0	3.0	1600	B									13132915		08
14.9	94.20	3	1747	0.9	2.8	1650	B									16132911		09
13.8	101.74	3	1886	0.9	2.6	1650	B									13132913		10
11.4	122.51	2.2	1672	1.0	2.1	1650	B									13132911		11
9.3	149.95	1.5	1411	1.2	1.8	1650	B									11132911		12
7.8	180.09	1.5	1694	1.0	1.5	1650	B									8132913		13
6.8	206.81	1.1	1421	1.1	1.2	1600	B									6132915		14
6.5	216.85	1.1	1490	1.1	1.2	1650	B									8132911		15
5.6	247.99	1.1	1704	1.0	1.1	1650	B									6132913		16
4.7	298.61	0.75	1407	1.2	0.88	1650	B									6132911		17

The dynamic efficiency is **0.92** 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 **X94C** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
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 tipo **X94C** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße **X94C** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
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 de type **X94C** est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

E El reductor tamaño **X94C** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. 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					
B3	B6	B7	B8	V5	V6	V8
4.50 LT	3.80 LT	4.50 LT	5.30 LT	7.60 LT	5.30 LT	Ask

AGIP Blasias 460

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

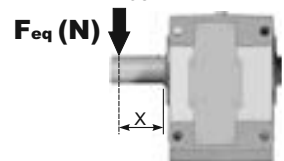
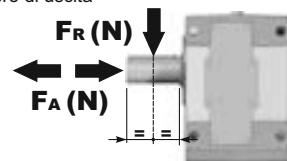
tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

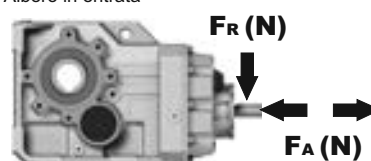
$$F_{eq} = F_R \cdot \frac{218}{X+168}$$



n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	1800	9000	140	2700	13500	70	3020	15100
250	2400	12000	120	2800	14000	40	3200	16000
200	2600	13000	85	2900	14500	15	3500	17500

Input shaft

Albero in entrata

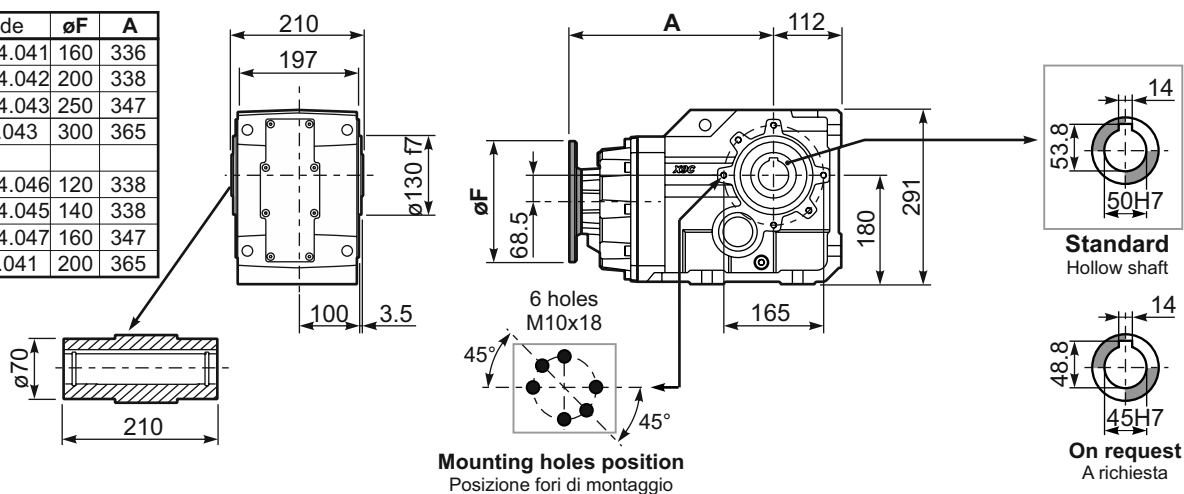
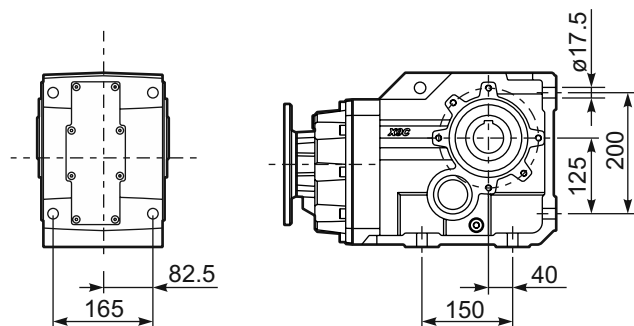
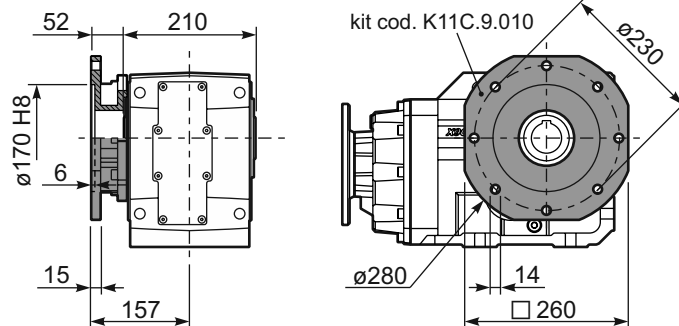
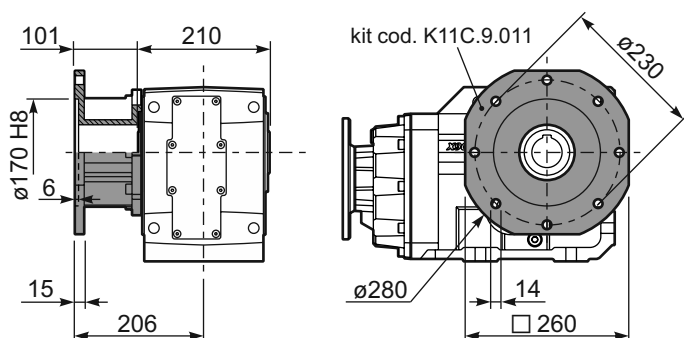
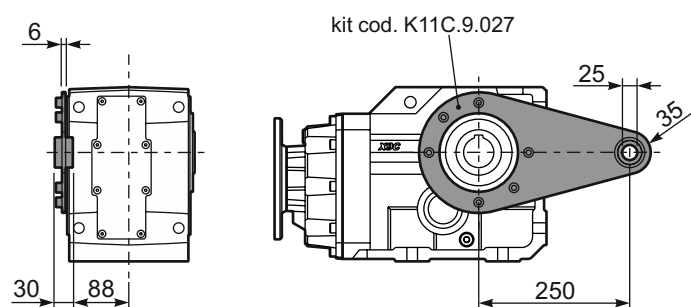
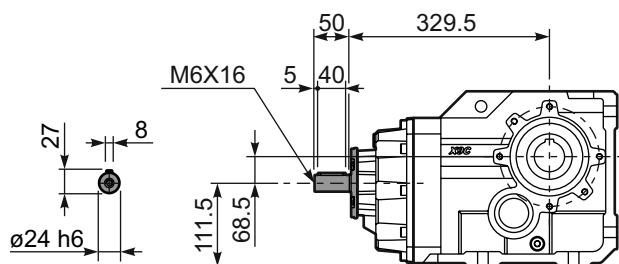
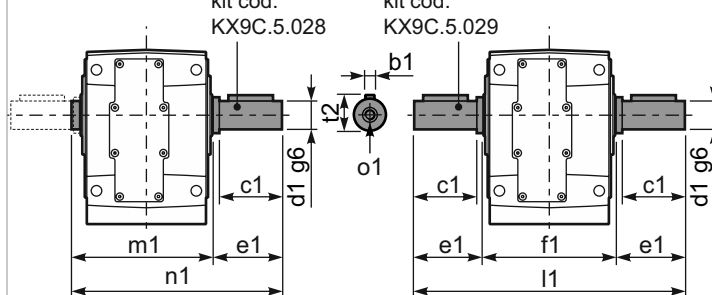


n_1	FA	FR
1400	450	2250
900	500	2500
500	600	3000

tab. 2

PX94CC...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**68.5 kg**

M. flanges	Kit code	øF	A
71B5	KC023.4.041	160	336
80/90B5	KC023.4.042	200	338
100/112B5	KC023.4.043	250	347
132B5	KC50.4.043	300	365
80B14	KC085.4.046	120	338
90B14	KC085.4.045	140	338
100/112B14	KC085.4.047	160	347
132B14	KC50.4.041	200	365

Mounting holes position
Posizione fori di montaggio**PX94C...FB..**Feet
Piedini**PX94C...-FC..**Output flange
Flangia uscita**PX94C...-FL..**Output flange
Flangia uscita**PX94C...BR..**Reaction Arm
Braccio di reazione**RX94C...**Input shaft
Albero in entrata**PX94CA...**Single shaft
Albero lento semplicekit cod.
KX9C.5.028**PX94CB...**Double shaft
Albero lento bisp.kit cod.
KX9C.5.029

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standard	14	100	50	105	210	420	218	323	53.5	M16
-	-	-	-	-	-	-	-	-	-	-



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]	B5 motor flanges				B14 motor flanges					Output Shaft $\varnothing$	Ratios code
							-G	-H	-I	-L	-	-	-	-			
							132	160	180	200	-	-	-	-			
219	6.39	30	1180	1.1	31.7	1300										392914	01
200	7.00	30	1292	1.1	31.2	1400										392913	02
164	8.55	30	1578	1.0	27.4	1500										392911	03
140	10.01	22	1357	1.2	24.9	1600										302914	04
128	10.97	22	1486	1.1	24.2	1700										302913	05
105	13.39	22	1815	1.2	24.5	2100										302911	06
89	15.71	22	2130	1.0	21.8	2200										222914	07
81	17.21	22	2333	1.0	20.8	2300										222913	08
67	21.02	18.5	2394	1.0	17.8	2400										222911	09
59	23.73	18.5	2703	1.0	17.1	2600										162914	10
54	25.99	18.5	2960	0.9	16.8	2800										162913	11
50	27.93	15	2576	1.1	16.2	2900										142914	12
45.8	30.59	15	2822	1.0	14.8	2900										142913	13
44.1	31.74	15	2928	1.0	14.2	2900										162911	14
37.5	37.36	11	2532	1.1	12.1	2900										142911	15
33.8	41.37	11	2804	1.0	10.9	2900										102914	16
30.9	45.31	9	2618	1.1	10.0	2900										102913	17
25.3	55.33	7.5	2573	1.2	8.5	3000										102911	18

The dynamic efficiency is **0.94** 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 **X103** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
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 tipo **X103** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße **X103** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
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 de type **X103** est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

E El reductor tamaño **X103** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. 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					
B3	B6	B7	B8	V5	V6	V8
11.50 LT	5.50 LT	10.50 LT	7.50 LT	13.50 LT	9.50 LT	Ask

AGIP Blasias 460

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

tab. 1

RADIAL AND AXIAL LOADS

Output shaft

Albero di uscita

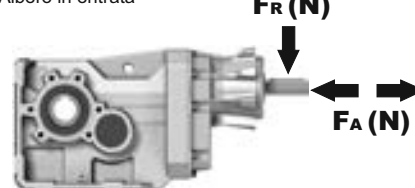


$$F_{eq} = FR \cdot \frac{253}{X+193}$$

n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	2000	10000	140	2800	14000	70	3500	17500
250	2500	12500	120	3000	15000	40	4200	21000
200	2700	13500	85	3200	16000	15	5400	27000

Input shaft

Albero in entrata

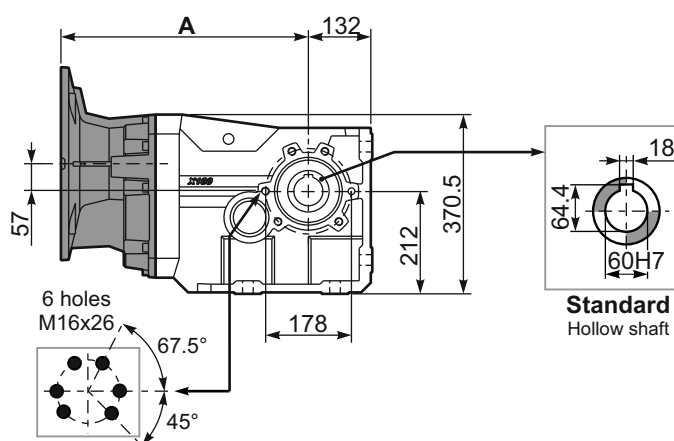
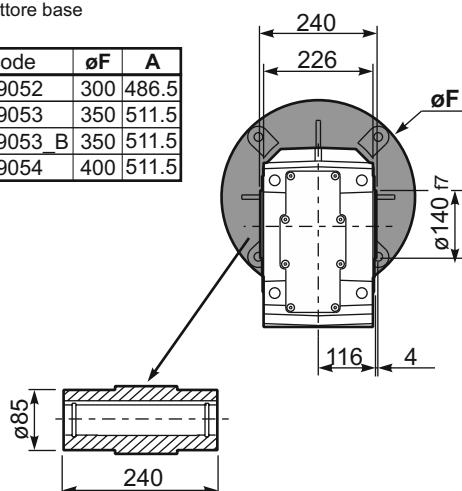
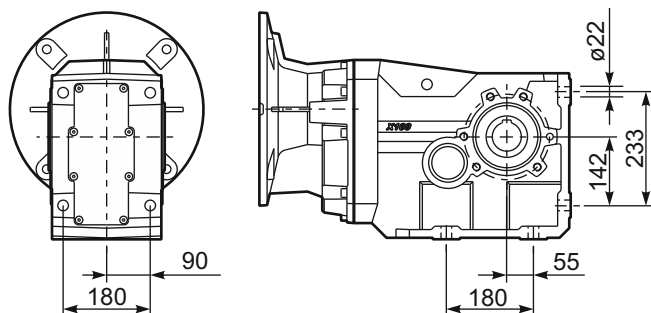
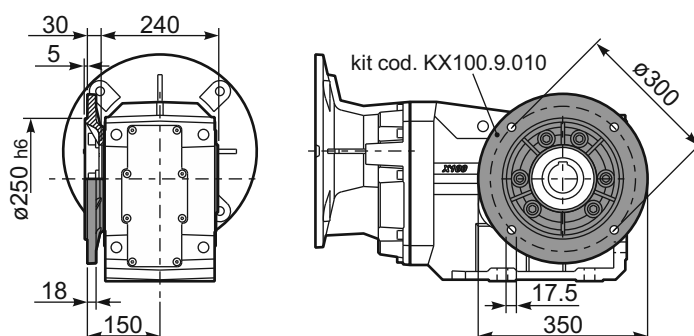
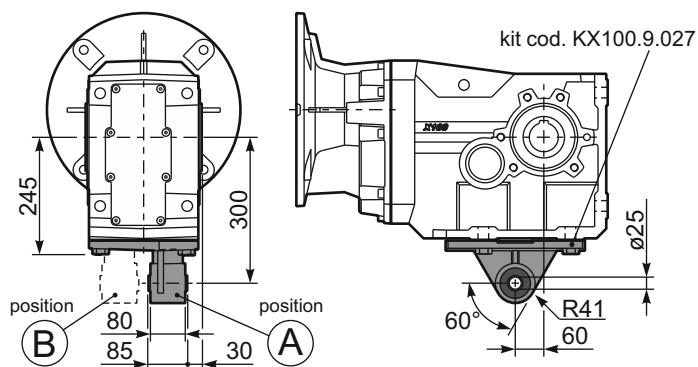
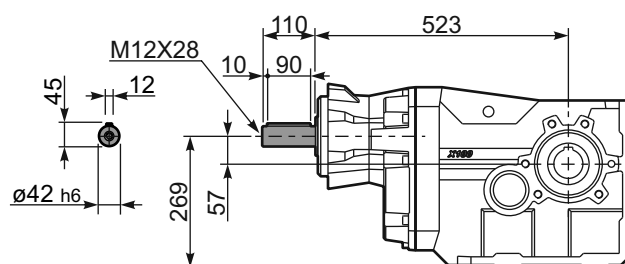
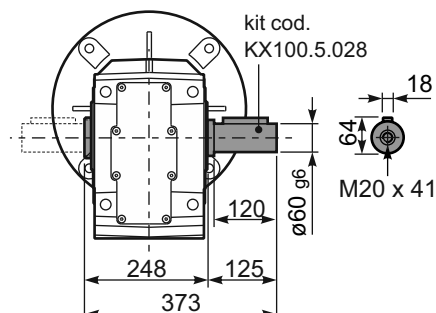
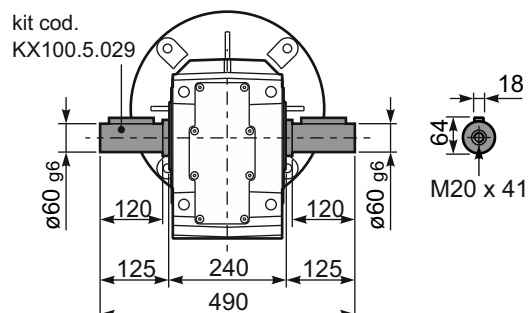


n_1	FA	FR
1400	1120	5600
900	1220	6100
500	1300	6500

tab. 2

PX103C...Basic Gearbox
Riduttore baseGearbox
weight
peso riduttore**125 kg**

M. flanges	Kit code	øF	A
132B5	KC1109052	300	486.5
160B5	KC1109053	350	511.5
180B5	KC1109053_B	350	511.5
200B5	KC1109054	400	511.5

Mounting holes position
Posizione fori di montaggio**Standard**
Hollow shaft**PX103...FB..**Feet
Piedini**PX103...-F6..**Output flange
Flangia uscita**PX103...BR..**Reaction Arm
Braccio di reazione**RX103...**Input shaft
Albero in entrata**PX103A...**Single shaft
Albero lento semplice**PX103B...**Double shaft
Albero lento bisp.



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		B14 motor flanges				Output Shaft 	Ratios code
							-F	-G	-	-	-			
28.8	48.57	9	2750	1.1	9.5	2900	B		not available			30142911	standard ø60	01
20.5	68.43	7.5	3118	1.0	7.0	3000	B					20142914		02
18.7	74.95	5.5	2523	1.2	6.4	3000	B					20142913		03
15.1	92.53	5.5	3115	1.0	5.2	3000	B					16142914		04
13.8	101.33	4	2496	1.2	4.7	3000	B					16142913		05
11.6	120.33	4	2963	1.0	4.0	3000	B					13142914		06
11.3	123.75	4	3048	1.0	3.9	3000	B					16142911		07
10.6	131.78	4	3245	0.9	3.6	3000	B					13142913		08
9.5	147.28	3	2731	1.1	3.2	3000	B					11142914		09
8.7	161.30	3	2990	1.0	3.0	3000	B					11142913		10
7.1	196.98	2.2	2689	1.1	2.4	3000	B					11142911		11
6.6	212.99	2.2	2907	1.0	2.2	3000	B					8142914		12
6.0	233.26	2.2	3184	0.9	2.0	3000	B					8142913		13
4.9	284.86	2.2	3889	0.8	1.7	3000	B					8142911		14

The dynamic efficiency is **0.92** 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 **X104** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
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 tipo **X104** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße **X104** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
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 de type **X104** est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

E El reductor tamaño **X104** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético.
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					
B3	B6	B7	B8	V5	V6	V8
12.00 LT	6.00 LT	11.50 LT	8.00 LT	14.50 LT	11.00 LT	Ask

AGIP Blasias 460

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

tab. 1

RADIAL AND AXIAL LOADS									
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{253}{X+193}$						
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR	
300	2000	10000	140	2800	14000	70	3500	17500	
250	2500	12500	120	3000	15000	40	4200	21000	
200	2700	13500	85	3200	16000	15	5400	27000	
Input shaft Albero in entrata									
n_1	FA	FR							
1400	700	3500							
900	840	4200							
500	900	4500							

tab. 2

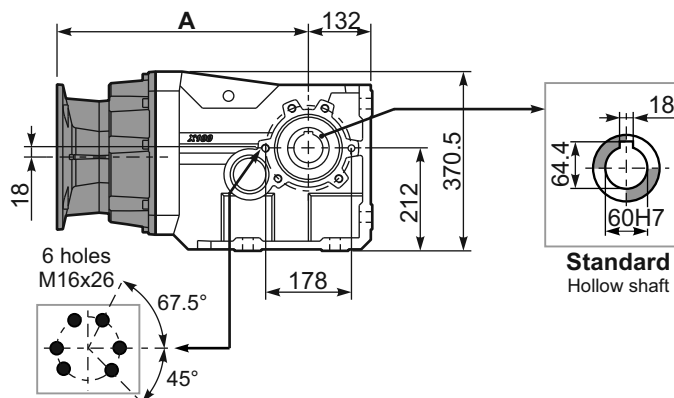
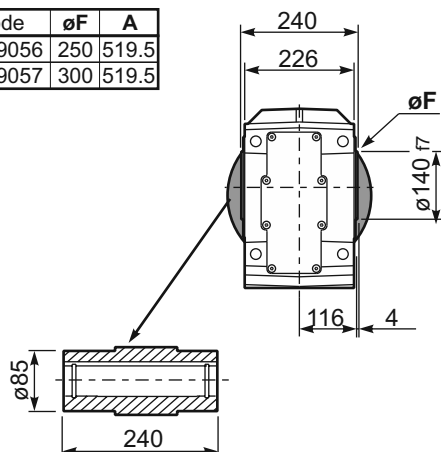
PX104C...

Basic Gearbox
Riduttore base

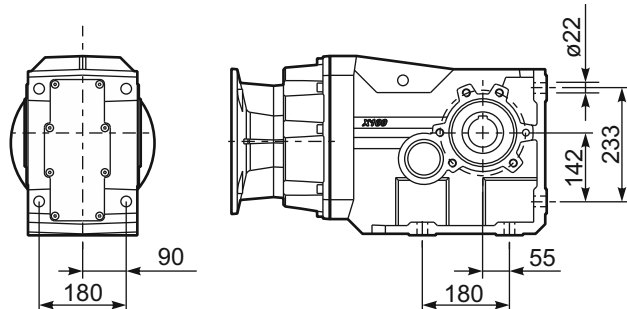
Gearbox weight
peso riduttore

118 kg

M. flanges	Kit code	øF	A
100/112B5	KC1109056	250	519.5
132B5	KC1109057	300	519.5

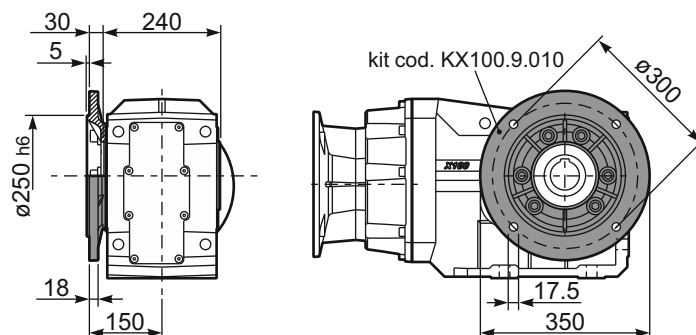


Mounting holes position
Posizione fori di montaggio

PX104...**FB**..Feet
Piedini

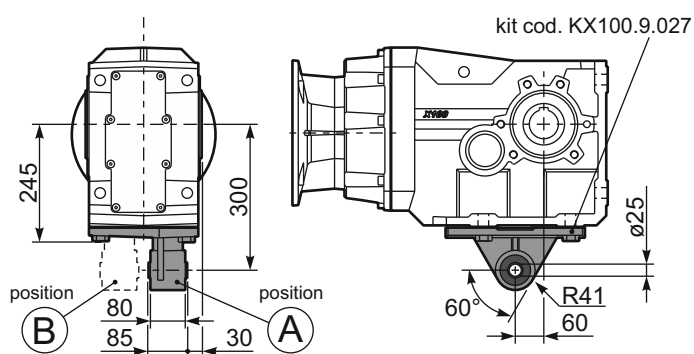
PX104...-F6..

Output flange
Flangia uscita



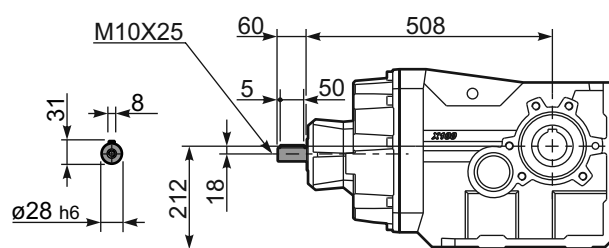
PX104...**BR..**

Reaction Arm
Braccio di reazione

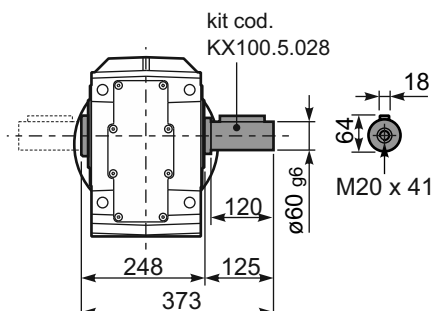


Rx104...

Input shaft
Albero in entrata

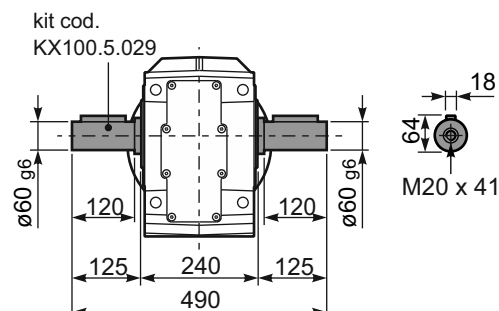
PX104**A**...

Single shaft
Albero lento semplice



PX104B...

Double shaft
Albero lento bisp.





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]	B5 motor flanges					B14 motor flanges			Output Shaft  $\varnothing$	Ratios code 
							-G	-H	-I	-L	CA	-	-	-		
							132	160	180	200	225	-	-	-		
219	6.39	45	1757	1.4	61.0	2500									392914	01
200	7.00	45	1925	1.4	59.0	2650									392913	02
164	8.55	45	2350	1.2	51.1	2800									392911	03
140	10.01	45	2752	1.2	49.8	3200									302914	04
128	10.97	45	3014	1.1	45.5	3200									302913	05
105	13.39	37	3025	1.1	39.6	3400									302911	06
89	15.71	37	3550	1.0	34.7	3500									222914	07
81	17.21	37	3888	1.0	33.5	3700									222913	08
67	21.02	30	3877	1.0	29.7	4000									222911	09
59	23.73	30	4378	0.9	26.9	4100									162914	10
54	25.99	22	3523	1.2	25.8	4300									162913	11
50	27.93	22	3786	1.1	24.0	4300									142914	12
45.8	30.59	22	4146	1.1	22.9	4500									142913	13
44.1	31.74	22	4302	1.0	22.1	4500									162911	14
37.5	37.36	18.5	4255	1.1	18.8	4500									142911	15
33.8	41.37	18.5	4712	1.0	17.0	4500									102914	16
30.9	45.31	15	4179	1.1	15.5	4500									102913	17
25.3	55.33	11	3750	1.2	12.7	4500									102911	18

The dynamic efficiency is **0.94** 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 **X113** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
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 tipo **X113** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße **X113** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
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 de type **X113** est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

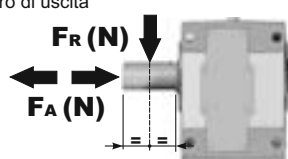
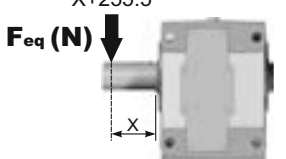
E El reductor tamaño **X113** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético. Ver tabla 1, para cantidades y aceites recomendados. En la tabla 2, se encuentran las cargas radiales y axiales admitidas por el reductor.

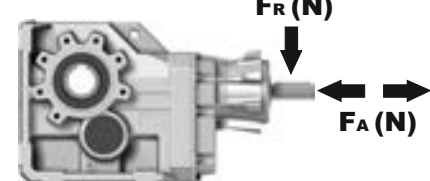
Standard supplied	For these mounting position specify in the order or add oil Per queste posizioni specificare in fase d'ordine o aggiungere olio					
						
B3	B6	B7	B8	V5	V6	V8
13.50 LT	8.00 LT	15.50 LT	14.50 LT	22.00 LT	13.00 LT	Ask

AGIP Blasias 460

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

tab. 1

RADIAL AND AXIAL LOADS								
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{325.5}{X+255.5}$					
								
n_2	FA	FR	n_2	FA	FR	n_2	FA	FR
300	2100	10500	140	3100	15500	70	4200	21000
250	2600	13000	120	3240	16200	40	5600	28000
200	3000	15000	85	3600	18000	15	8000	40000

Input shaft Albero in entrata								
n_1	FA	FR	n_1	FA	FR	n_1	FA	FR
1400	1120	5600	900	1220	6100	500	1300	6500

tab. 2

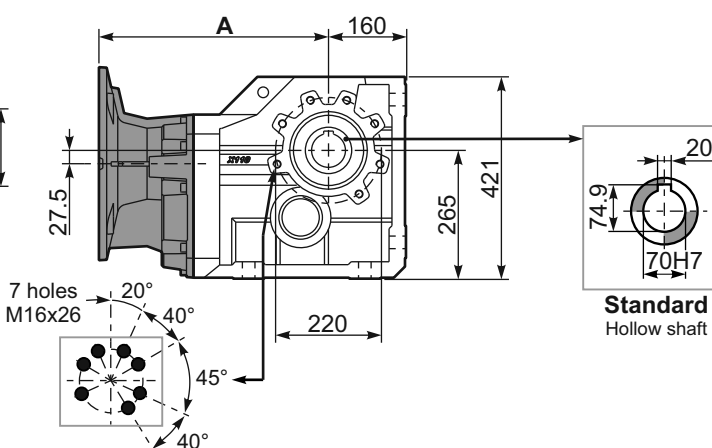
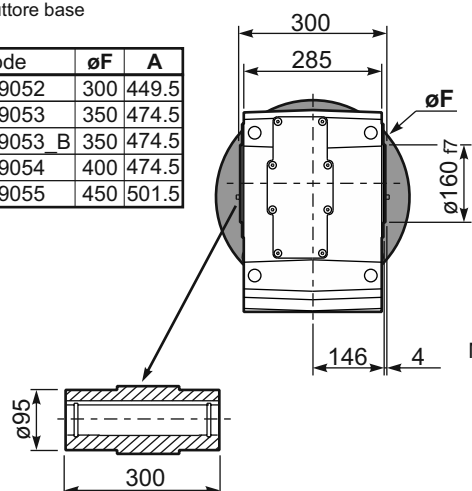
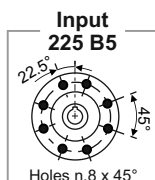
PX113C...

Basic Gearbox
Riduttore base

Gearbox weight
peso riduttore

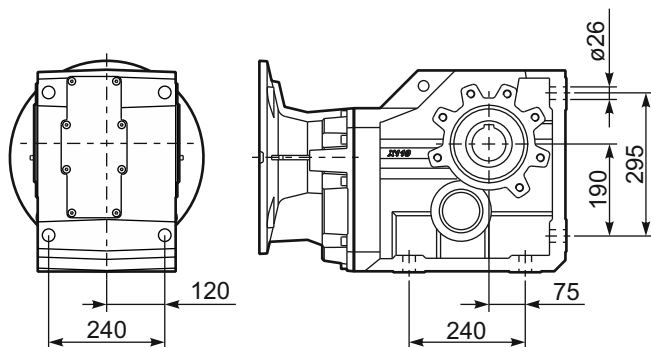
170 kg

M. flanges	Kit code	øF	A
132B5	KC1109052	300	449.5
160B5	KC1109053	350	474.5
180B5	KC1109053_B	350	474.5
200B5	KC1109054	400	474.5
225B5	KC1109055	450	501.5



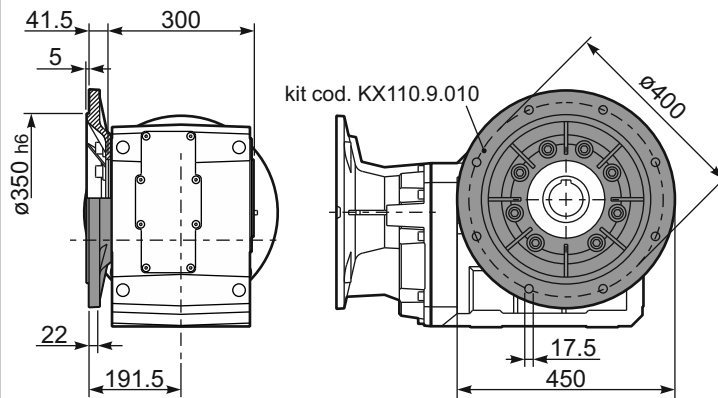
Standard

Mounting holes position
Posizione fori di montaggio

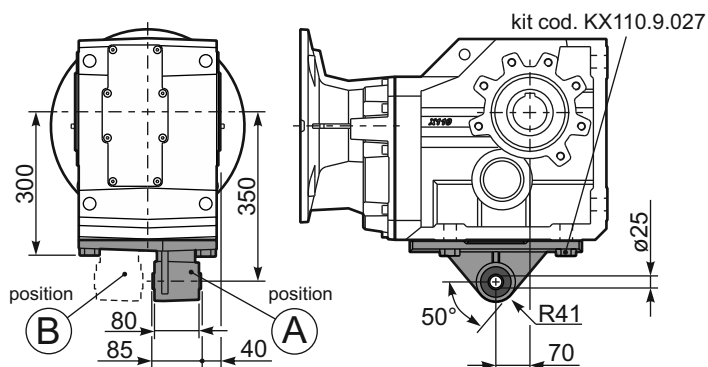
PX113...**FB..**Feet
Piedini

PX113...-F7...

Output flange
Flangia uscita

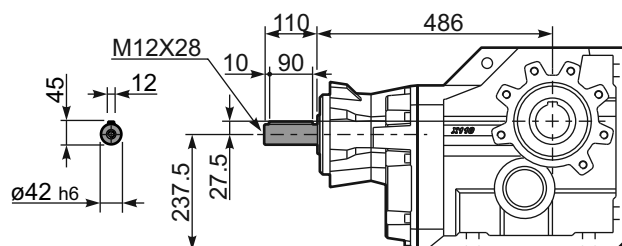
PX113...**BR..**

Reaction Arm
Braccio di reazione

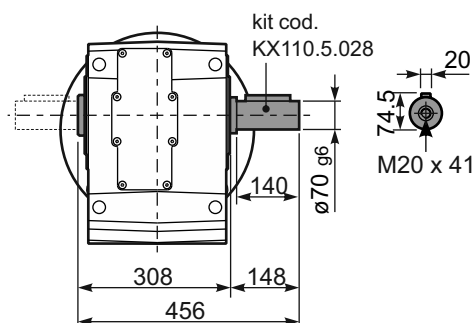


Rx113...

Input shaft
Albero in entrata

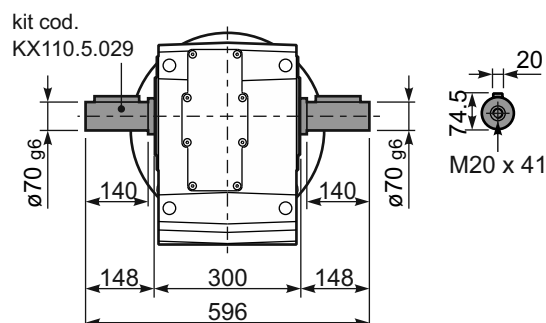
PX113**A**...

Single shaft
Albero lento semplice



PX113B...

Double shaft
Albero lento bisp.





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]	B5 motor flanges			B14 motor flanges				Output Shaft 	
							-F	-G	-H	-	-	-			
							100 112	132	160	-	-	-			
28.8	48.57	15	4390	1.0	14.8	4500	B			not available			30142911	standard ø70	01
20.5	68.43	11	4545	1.0	10.7	4600	B						20142914		02
18.7	74.95	11	4977	0.9	9.8	4600	B						20142913		03
15.1	92.53	7.5	4216	1.1	7.9	4600	B						16142914		04
13.8	101.33	7.5	4617	1.0	7.2	4600	B						16142913		05
11.6	120.33	5.5	4051	1.1	6.1	4600	B						13142914		06
11.3	123.75	5.5	4166	1.1	5.8	4500	B						16142911		07
10.6	131.78	5.5	4436	1.0	5.6	4600	B						13142913		08
9.5	147.28	5.5	4958	0.9	5.0	4600	B						11142914		09
8.7	161.30	4	3972	1.2	4.5	4600	B						11142913		10
7.1	196.98	3	3652	1.2	3.6	4500	B						11142911		11
6.6	212.99	3	3949	1.2	3.4	4600	B						8142914		12
6.0	233.26	3	4324	1.1	3.1	4600	B						8142913		13
4.9	284.86	2.2	3889	1.2	2.5	4500	B						8142911		14

The dynamic efficiency is **0.92** 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 **X114** is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug.
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 tipo **X114** è fornito privo di lubrificazione con tappi di sfiato, livello e scarico olio. L'utente può immettere olio minerale mantenendo i tappi esistenti. Se immetterà olio sintetico, dovrà sostituire i tappi esistenti con altri tipo chiuso.
Tab.1 per oli e quantità consigliati.
Tab.2 carichi radiali e assiali applicabili al riduttore.

D Das Getriebe der Baugröße **X114** wird ohne Schmiermittel geliefert. Es ist jedoch mit Einfüllschraube, Überdruckventil und Ablassschraube ausgerüstet. Das benötigte mineralische Öl kann über die Einfüllschraube eingefüllt werden. Sollte synthetisches Öl bevorzugt werden, so ist sind das eingebaute Überdruckventil durch eine geschlossenen Schraube zu ersetzen.
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 de type **X114** est fourni sans lubrification et avec un bouchon de remplissage, de niveau et d'évacuation de l'huile. L'utilisateur peut y verser de l'huile minérale en conservant les bouchons existants. S'il y versera de l'huile synthétique, il devra substituer les bouchons existants avec d'autres bouchons de type fermé.
Voir tableau 1 concernant les huiles et les quantités conseillées.
Voir tableau 2 concernant les charges radiales et axiales applicables au réducteur

E El reductor tamaño **X114** se suministra sin lubricante, provisto de tapones de respiración, nivel y descarga de aceite. El usuario puede utilizar aceite mineral, manteniendo los tapones existentes. Si prefiere utilizar aceite sintético deberá sustituir los tapones existentes por tapones ciegos. La prerreducción se suministra con tapones ciegos, lubricado de por vida con aceite sintético.
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					
B3	B6	B7	B8	V5	V6	V8
14.50 LT	8.50 LT	16.50 LT	16.00 LT	23.00 LT	14.50 LT	Ask

AGIP Blasias 460

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tab. 1

RADIAL AND AXIAL LOADS									
Output shaft Albero di uscita			$F_{eq} = F_R \cdot \frac{325.5}{X+255.5}$						
n_2	F_A	F_R	n_2	F_A	F_R	n_2	F_A	F_R	
300	2100	10500	140	3100	15500	70	4200	21000	
250	2600	13000	120	3240	16200	40	5600	28000	
200	3000	15000	85	3600	18000	15	8000	40000	
Input shaft Albero in entrata									
n_1	F_A	F_R							
1400	700	3500							
900	840	4200							
500	900	4500							

tab. 2

161 kg