



**QUICK SELECTION / Selezione veloce** input speed (n<sub>1</sub>) = 1400 min<sup>-1</sup>

Output Speed n <sub>2</sub> [min <sup>-1</sup> ]	Ratio i	Motor power P <sub>1M</sub> [kW]	Output torque M <sub>2M</sub> [Nm]	Service factor f.s.	Nominal power P <sub>1R</sub> [kW]	Nominal torque M <sub>2R</sub> [Nm]	Available B5 motor flanges				Available B14 motor flanges				Output Shaft $\varnothing$	Ratios code 
							-D	-E	-F	-G	-R	-T	-U	-V		
							80	90	100 112	132	80	90	100 112	132		
364.3	<b>3.84</b>	9	227	2.2	<b>19.47</b>	<b>490</b>									3317	01
257.5	<b>5.44</b>	9	321	1.6	<b>14.61</b>	<b>520</b>									3313	02
233.3	<b>6.00</b>	9	354	1.6	<b>14.00</b>	<b>550</b>									3312	03
187.5	<b>7.47</b>	9	440	1.4	<b>12.27</b>	<b>600</b>									3310	04
165.1	<b>8.48</b>	9	500	1.3	<b>11.43</b>	<b>635</b>									2513	05
149.6	<b>9.36</b>	9	552	1.2	<b>10.44</b>	<b>640</b>									2512	06
120.2	<b>11.65</b>	9	687	1.0	<b>8.65</b>	<b>660</b>									2510	07
97.3	<b>14.39</b>	7.5	683	1.1	<b>7.64</b>	<b>720</b>									1713	08
88.1	<b>15.88</b>	7.5	754	1.0	<b>7.21</b>	<b>750</b>									1712	09
70.8	<b>19.76</b>	7.5	938	0.9	<b>6.34</b>	<b>820</b>									1710	10
63.4	<b>22.08</b>	5.5	774	1.1	<b>5.98</b>	<b>865</b>									1213	11
57.4	<b>24.38</b>	5.5	854	1.0	<b>5.42</b>	<b>865</b>									1212	12
46.2	<b>30.33</b>	4	778	1.1	<b>4.35</b>	<b>865</b>									1210	13
41.2	<b>34.00</b>	4	872	1.0	<b>3.88</b>	<b>865</b>									912	14
36.1	<b>38.81</b>	3	749	1.1	<b>3.33</b>	<b>846</b>									812	15
33.1	<b>42.31</b>	3	817	1.1	<b>3.12</b>	<b>865</b>									910	16
29.0	<b>48.30</b>	3	932	0.9	<b>2.73</b>	<b>865</b>									810	17

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 **812C** 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 **812C** 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 **812C** 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 **812C** 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 **812C** 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.

<b>B3</b>	<b>B6</b>	<b>B7</b>	<b>B8</b>	<b>V5</b>	<b>V6</b>	<b>V8</b>
1.50 LT	2.30 LT	1.90 LT	1.70 LT	2.60 LT	2.00 LT	Ask
<b>SHELL</b> Omala S2 GX 460				<b>ENI</b> Blasias 460		

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

$F_{eq} = F_R \cdot \frac{78}{X+38}$

$F_R$  (N) ↓  
 $F_A$  (N) ←

$F_{eq}$  (N) ↓

n <sub>2</sub>	FA	FR	n <sub>2</sub>	FA	FR	n <sub>2</sub>	FA	FR
<b>300</b>	1300	6500	<b>140</b>	1780	8900	<b>70</b>	2200	11000
<b>250</b>	1420	7100	<b>120</b>	1900	9500	<b>40</b>	2360	11800
<b>200</b>	1600	8000	<b>85</b>	2040	10200	<b>15</b>	2400	12000

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

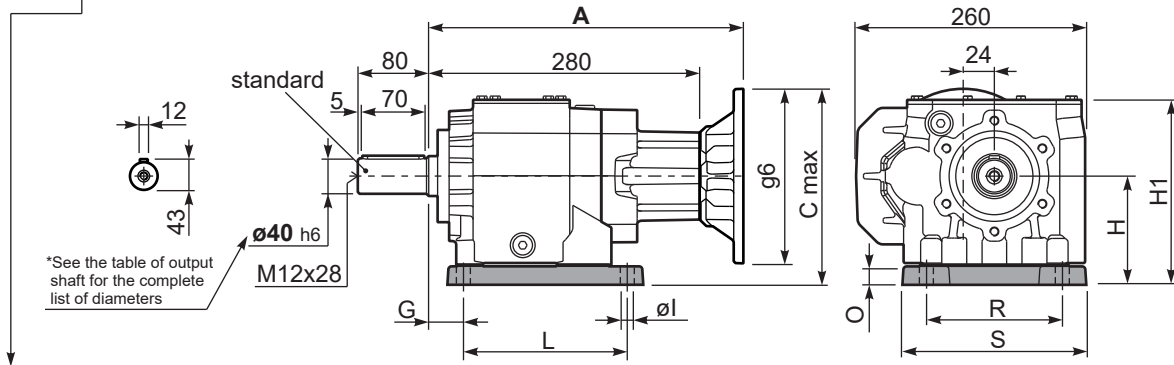
**Input shaft**  
Albero in entrata

n <sub>1</sub>	FA	FR
<b>1400</b>	450	2250
<b>900</b>	500	2500
<b>500</b>	600	3000

**tab. 2**

P812C**S7**... With feet  
Con piedini

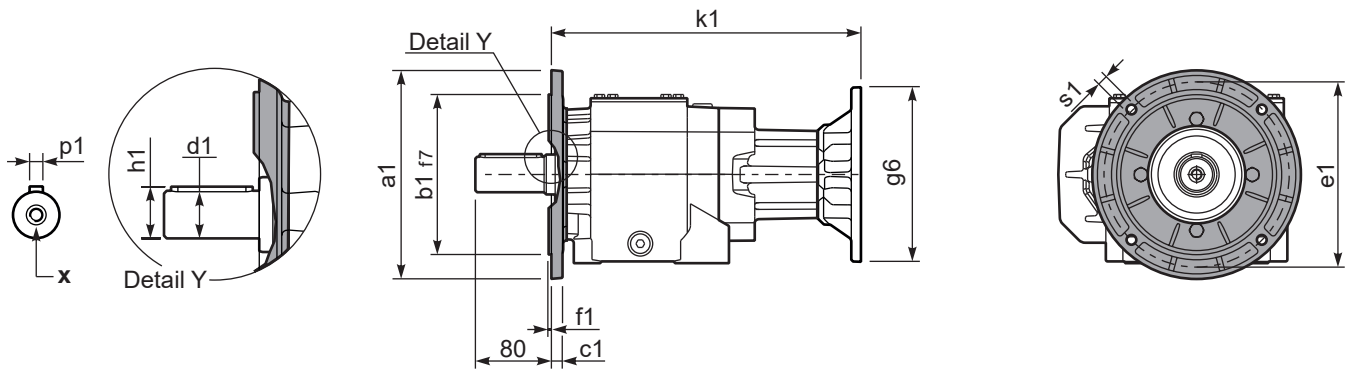
Gearbox weight With flange **33.7 kg**  
peso riduttore With feet **39.2 kg**



**Feet / piedini**

Feet Code	Market reference	G	H	R	L	S	H1	O	øl	B5 max. Flange	kit code
B5	512/3	25	155	225	156	270	245.5	30	18	-	KC81.9.022
S7	77	35	140	170	205	230	230.5	30	17.5	-	KC81.9.024

P812C-**F**... Output flanges  
flange di uscita



**\*Available output shaft / Alberi di uscita**

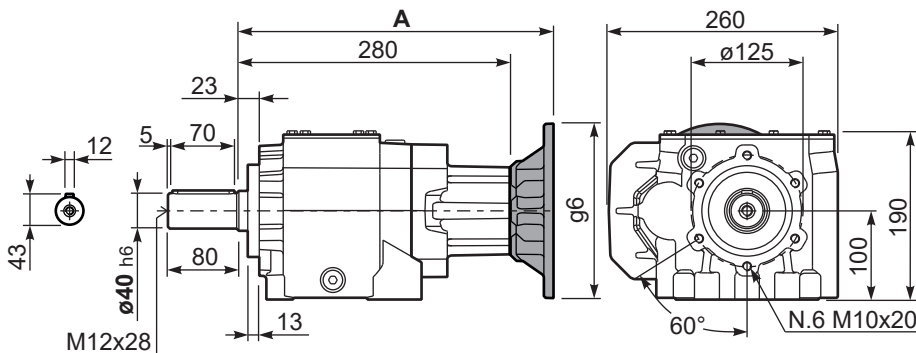
	Shaft - d1	p1	h1	x
Standard	ø 40x80	12	43	M12x28
On request A richiesta	ø 45x90	14	48.5	M14x34

**Available output flanges / flange di uscita**

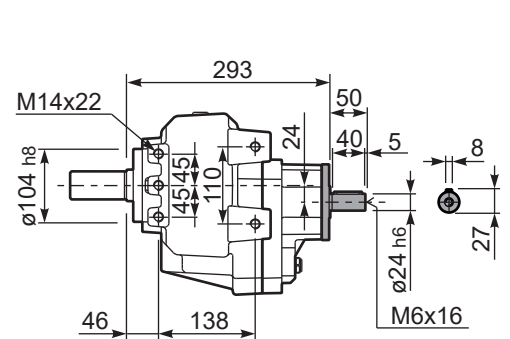
a1 ø	b1	c1	e1	f1	s1	kit code
250	180	13	215	4	14	KC81.9.013
300	230	16	265	4	14	KC81.9.014
-	-	-	-	-	-	-

With flange and feet only on request. Ask for compatibility

P812C-**N**... Basic gearbox  
Riduttore base



R812C-**N**... Input Shaft  
Albero in entrata



B5 Motor Flanges	A	C <sub>max</sub>	g6	k1	kit code
80/90 B5	300.5	255	200	300.5	K023.4.042
100/112 B5	309.5	280	250	309.5	K023.4.043
132 B5	331	305	300	331	KC51.4.043C

B14 Motor Flanges	A	C <sub>max</sub>	g6	k1	kit code
80 B14	300.5	215	120	300.5	K085.4.046
90 B14	300.5	225	140	300.5	K085.4.045
100/112 B14	309.5	235	160	309.5	K085.4.047
132 B14	331	255	200	331	KC51.4.041C