



#### 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 	Ratios code
							-B	-C	-D	-E	-F	-Q	-R	-T	-U		
							63	71	80	90	100	71	80	90	100		
22.3	<b>62.76</b>	2.2	874	1.0	<b>2.15</b>	<b>865</b>	B					C	C			191213	01
20.2	<b>69.28</b>	2.2	965	0.9	<b>1.95</b>	<b>865</b>	B					C	C			191212	02
19.2	<b>72.75</b>	1.5	698	1.2	<b>1.85</b>	<b>865</b>	B					C	C			171213	03
17.4	<b>80.29</b>	1.5	771	1.1	<b>1.68</b>	<b>865</b>	B					C	C			171212	04
16.4	<b>85.39</b>	1.5	820	1.1	<b>1.58</b>	<b>865</b>	B					C	C			151213	05
14.9	<b>94.25</b>	1.5	905	1.0	<b>1.43</b>	<b>865</b>	B					C	C			151212	06
13.7	<b>101.92</b>	1.1	715	1.2	<b>1.32</b>	<b>865</b>	B					C	C			131213	07
12.4	<b>112.50</b>	1.1	789	1.1	<b>1.20</b>	<b>865</b>	B					C	C			131212	08
11.9	<b>117.29</b>	1.1	822	1.1	<b>1.15</b>	<b>865</b>	B					C	C			151210	09
10.1	<b>139.13</b>	1.1	976	0.9	<b>0.97</b>	<b>865</b>	B					C	C			101213	10
9.1	<b>153.56</b>	0.75	739	1.2	<b>0.88</b>	<b>865</b>	B					C	C			101212	11
7.7	<b>181.57</b>	0.75	873	1.0	<b>0.74</b>	<b>865</b>	B					C	C			91213	12
7.0	<b>200.42</b>	0.55	711	1.2	<b>0.67</b>	<b>865</b>	B					C	C			91212	13
5.6	<b>249.41</b>	0.55	885	1.0	<b>0.54</b>	<b>865</b>	B					C	C			91210	14
4.3	<b>329.33</b>	0.37	781	1.1	<b>0.41</b>	<b>865</b>	B					C	C			71210	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 **813C** 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 **813C** 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 **813C** 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 **813C** 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 **813C** 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.

<b>B3</b>	<b>B6</b>	<b>B7</b>	<b>B8</b>	<b>V5</b>	<b>V6</b>	<b>V8</b>
1.60 LT	2.20 LT	1.80 LT	1.70 LT	2.80 LT	1.90 LT	Ask
<b>SHELL</b> Omala S4 WE 320				<b>ENI</b> Telium VSF 320		

For all details on lubrication and plugs check our website [www.813c.com](#) **tab. 1**  
Per maggiori dettagli su lubrificazione e tappi olio vedi il nostro sito web

### RADIAL AND AXIAL LOADS

**Output shaft**  
Albero di uscita

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

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

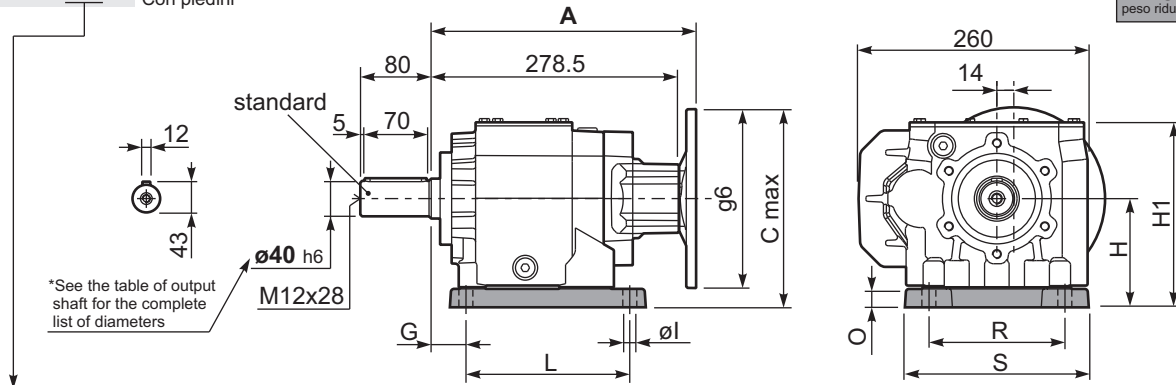
**Input shaft**  
Albero in entrata

n <sub>1</sub>	FA	FR
<b>1400</b>	400	2000
<b>900</b>	440	2200
<b>500</b>	440	2200

**tab. 2**

P813C**S7**... With feet  
Con piedini

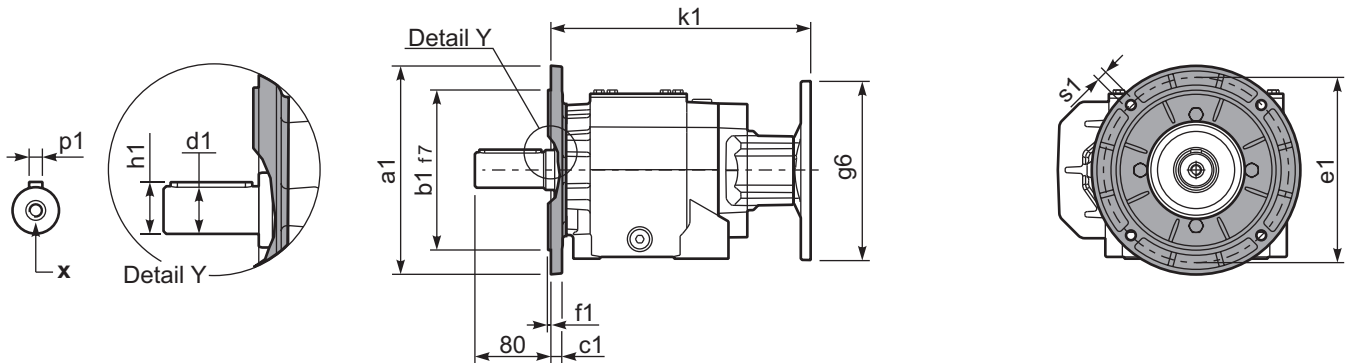
Gearbox weight With flange **34.8 kg**  
peso riduttore With feet **40.3 kg**



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

P813C-**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

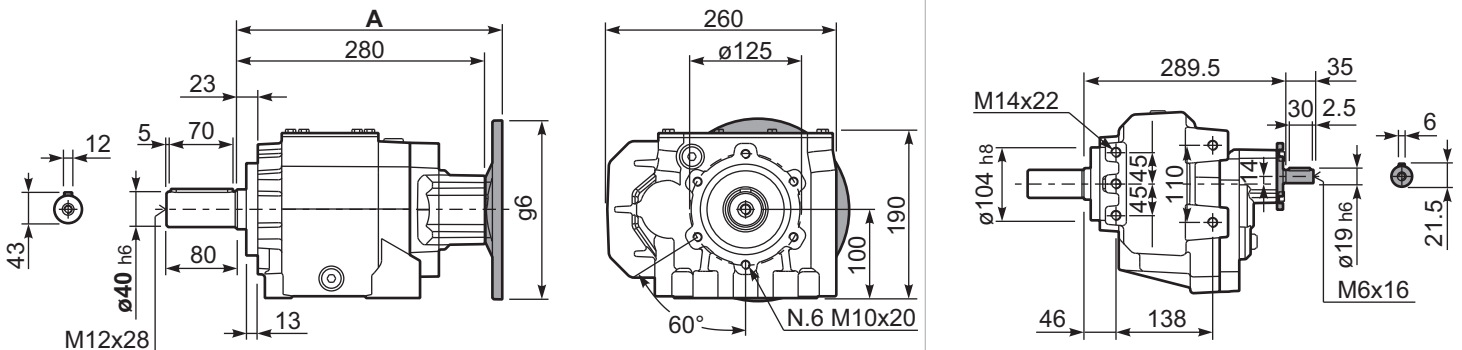
Available output flanges / flange di uscita

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

P813C-**N**... Basic gearbox  
Riduttore base

R813C-**N**... Input Shaft  
Albero in entrata



B5 Motor Flanges	A	C <sub>max</sub>	g6	k1	kit code
63 B5	299	225	140	299	K063.4.041
71 B5	297	235	160	297	K063.4.042
80/90 B5	299	255	200	299	K063.4.043
100/112 B5	314	280	250	314	KC40.4.043

B14 Motor Flanges	A	C <sub>max</sub>	g6	k1	kit code
71 B14	297	207.5	105	297	K063.4.047
80 B14	299	215	120	299	K063.4.046
90 B14	299	225	140	299	K063.4.041
100/112 B14	314	235	160	314	KC40.4.041