



## QUICK SELECTION / Selezione veloce

input speed ( $n_1$ ) = 1400 min<sup>-1</sup>

Output Speed $n_2$ [min <sup>-1</sup> ]	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 	Ratios code 
							-F	-G	-H	-I	-U	-V		
							100 112	132	160	180	100 112	132		
234	<b>5.98</b>	22	827	1.2	<b>25.5</b>	<b>1000</b>						3015	01	
197	<b>7.10</b>	22	982	1.2	<b>25.3</b>	<b>1175</b>						3013	02	
162	<b>8.63</b>	22	1193	1.1	<b>23.9</b>	<b>1350</b>						3011	03	
124	<b>11.27</b>	18.5	1310	1.1	<b>20.3</b>	<b>1500</b>						2015	04	
105	<b>13.38</b>	18.5	1555	1.1	<b>19.4</b>	<b>1700</b>						2013	05	
92	<b>15.24</b>	18.5	1771	1.1	<b>19.0</b>	<b>1900</b>						1615	06	
86	<b>16.26</b>	18.5	1889	1.1	<b>19.7</b>	<b>2100</b>						2011	07	
77	<b>18.09</b>	18.5	2102	1.0	<b>17.7</b>	<b>2100</b>						1613	08	
71	<b>19.82</b>	15	1865	1.1	<b>15.9</b>	<b>2060</b>						1315	09	
64	<b>21.98</b>	15	2069	1.0	<b>14.6</b>	<b>2100</b>						1611	10	
60	<b>23.53</b>	15	2214	0.9	<b>13.6</b>	<b>2100</b>						1313	11	
58	<b>24.25</b>	11	1677	1.2	<b>12.2</b>	<b>1940</b>						1115	12	
48.6	<b>28.80</b>	11	1991	1.1	<b>11.1</b>	<b>2100</b>						1113	13	
40.0	<b>34.99</b>	9	2063	1.0	<b>9.2</b>	<b>2100</b>						1111	14	
33.6	<b>41.64</b>	7.5	1976	1.0	<b>7.2</b>	<b>1960</b>						813	15	
27.7	<b>50.60</b>	5.5	1774	1.2	<b>6.3</b>	<b>2100</b>						811	16	

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 **H82C** 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 **H82C** 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 **H82C** 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 **H82C** 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 **H82C** 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.

B3	B6	B7	B8	V5	V6	V8
5.60 LT	6.80 LT	7.80 LT	5.60 LT	10.00 LT	5.50 LT	Ask
SHELL Omala S2 GX 460				ENI 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

$F_{eq} = F_R \cdot \frac{227.5}{x+177.5}$

$n_2$	FA	FR	$n_2$	FA	FR	$n_2$	FA	FR
300	920	4600	140	1120	5600	70	1400	7000
250	1000	5000	120	1140	5700	40	1800	9000
200	1060	5300	85	1300	6500	15	2400	12000

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

**Input shaft**  
Albero in entrata

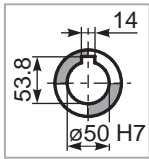
$n_1$	FA	FR
1400	700	3500
900	840	4200
500	900	4500

**tab. 2**

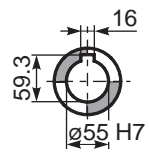
**PH82C...** Basic gearbox  
Riduttore base

Gearbox weight  
peso riduttore **86.0 kg**

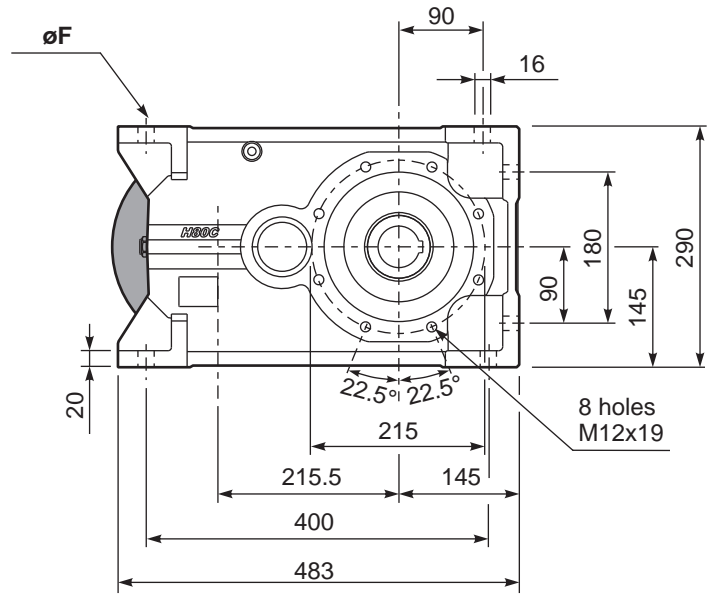
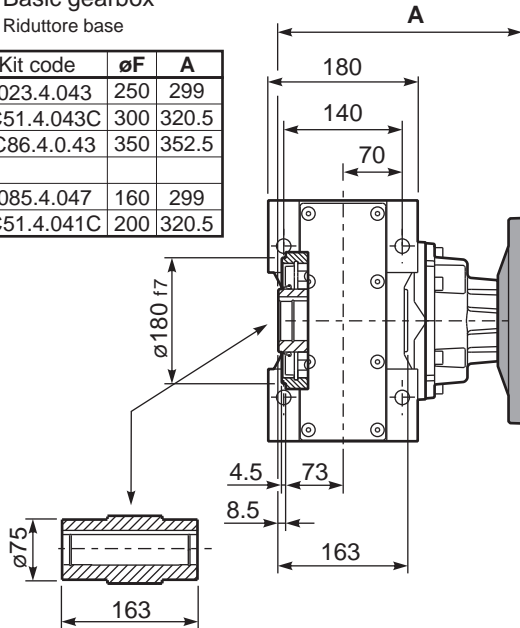
M. flanges	Kit code	øF	A
<b>100/112B5</b>	K023.4.043	250	299
<b>132B5</b>	KC51.4.043C	300	320.5
<b>160/180B5</b>	KC86.4.0.43	350	352.5
<b>100/112B14</b>	K085.4.047	160	299
<b>132B14</b>	KC51.4.041C	200	320.5



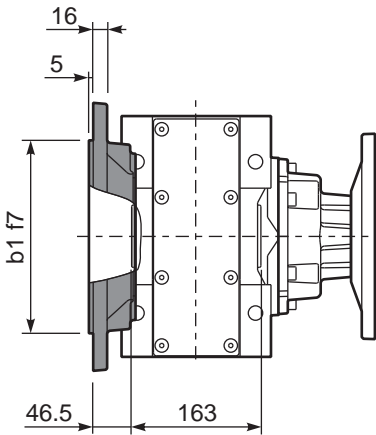
**Standard**  
Hollow shaft



**On request**  
A richiesta

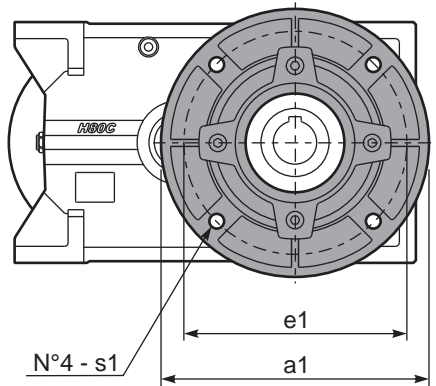


**PH82C...-F** Output flange  
Flangia uscita

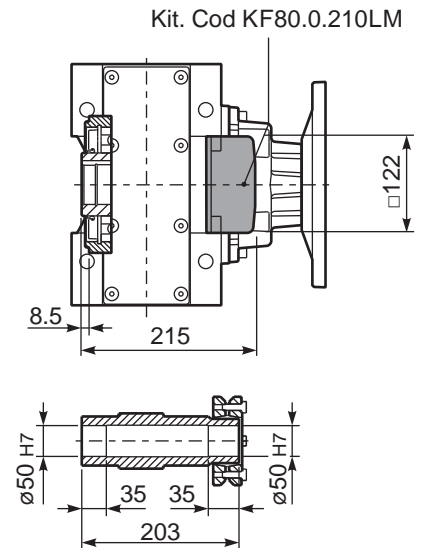


**Available output flanges**  
Flange di uscita

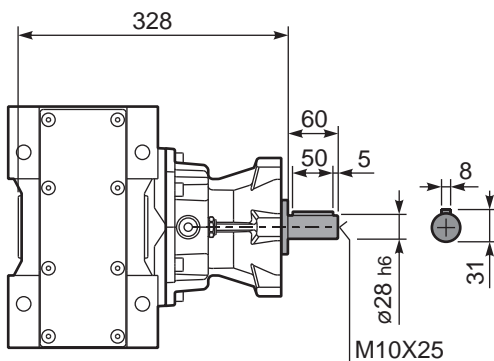
a1 ø	b1	e1	s1	Kit code
300	230	265	14	KF80.9.011
350	250	300	18	KF80.9.012



**PH82C D...** Shrink disk  
Calettatore



**RH82C...** Input Shaft  
Albero in entrata



**PH82C A...** Single output shaft  
Albero uscita semplice

