

# M085FC09C0-TB3P

Price

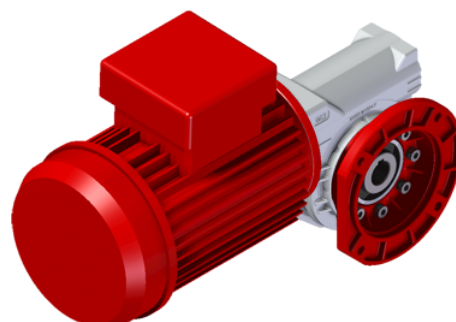
Lead time

## Configuration

Type:	<b>M</b>
Size:	<b>085</b>
Input:	<b>90 B14 ø140</b>
Output shaft/bore:	<b>Standard ø35</b>
Mounting:	<b>FC</b>
Mounting position:	<b>B3</b>
Input bore:	-
Coupling:	-
Terminal box position:	<b>B</b>

## Technical data

Input rpm ( $n_1$ ):	<b>1400 min<sup>-1</sup></b>
Output rpm ( $n_2$ ):	<b>26.92 min<sup>-1</sup></b>
Ratio (i):	<b>52.00 (09)</b>
Nominal power ( $P_{1R}$ ):	<b>1.20 kW</b>
Nominal torque ( $M_{2R}$ ):	<b>289 Nm</b>
Dynamic efficiency (RD):	<b>66%</b>



## Selection

Motor power ( $P_{1M}$ ):	<b>1.50 kW</b>
Output torque ( $M_{2M}$ ):	<b>351 Nm</b>
Service factor (f.s.):	<b>0.8</b>

## Lubrication

Oil quantity:	<b>1.20l</b>
AGIP:	<b>Telium VSF 320</b>
SHELL:	<b>Omala S4 WE 320</b>

## On our website

Features	Irreversibility
How to order	Thermal limit
Dimension	Atex certification
Accessories/options	Installation check list
Electric motors	Spare parts list
Selection guide - fs	Complete catalogue
Mounting pos. - lubricant	Selection by power (xls)
Calc. the overhung load	

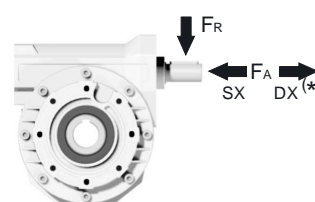
## Direction of rotation



## Note

## Axial and radial loads

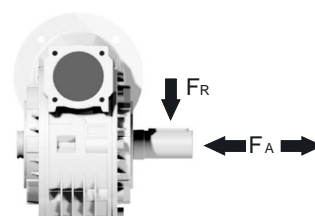
Input shaft



$n_2$ (min <sup>-1</sup> )	FA (N)	FR (N)
<b>1400</b>	130	650

\*Strong axial loads in the DX direction are not allowed

Output shaft



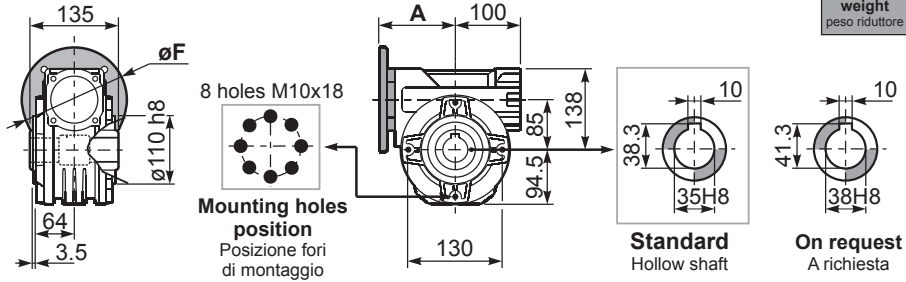
$n_2$ (min <sup>-1</sup> )	FA (N)	FR (N)
<b>200</b>	500	2500
<b>150</b>	580	2900
<b>100</b>	600	3000
<b>75</b>	700	3500
<b>50</b>	800	4000
<b>25</b>	1000	5000
<b>15</b>	1160	5800

3D dimensions on the Web

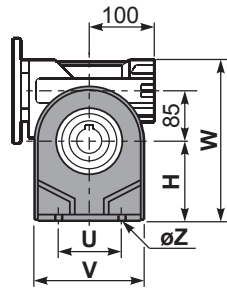
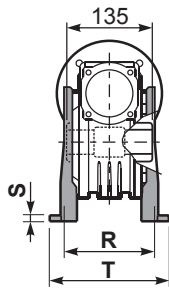
Gearbox weight **11.00 kg**  
peso riduttore

**P085FB...** Basic wormbox  
Riduttore base

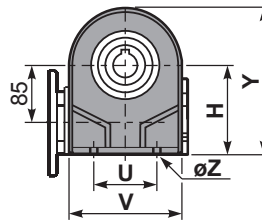
M. flanges	Kit code	øF	A
<b>71B5</b>	K023.4.041	160	116.5
<b>80/90B5</b>	K023.4.042	200	118.5
<b>100/112B5</b>	K023.4.043	250	127.5
<b>80B14</b>	K085.4.046	120	118.5
<b>90B14</b>	K085.4.045	140	118.5
<b>100/112B14</b>	K085.4.047	160	127.5



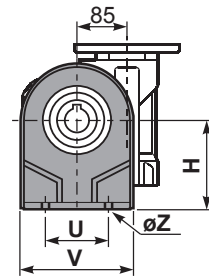
**P085PA...** Feet  
Piedini



**P085PB...** Feet  
Piedini

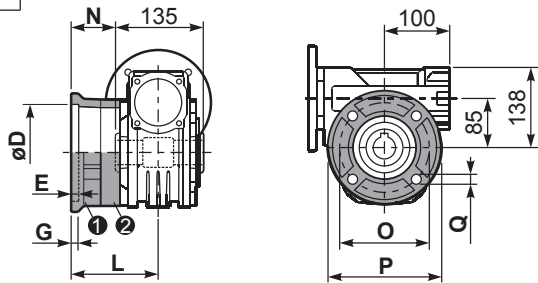


**P085PV...** Feet  
Piedini



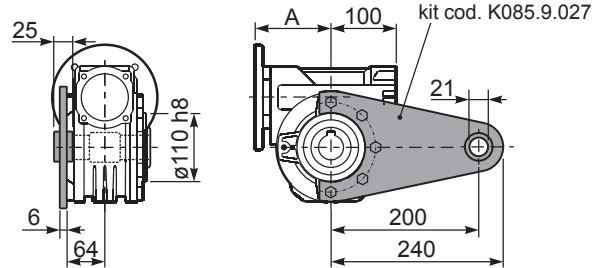
	H	R	S	T	U	V	Y	W	øZ	kit code
type B	142	145	5	182	140	180	236.5	280	ø10.5	K085.9.022
type S	-	-	-	-	-	-	-	-	-	-

**P085FC...** Output flange  
Flangia uscita



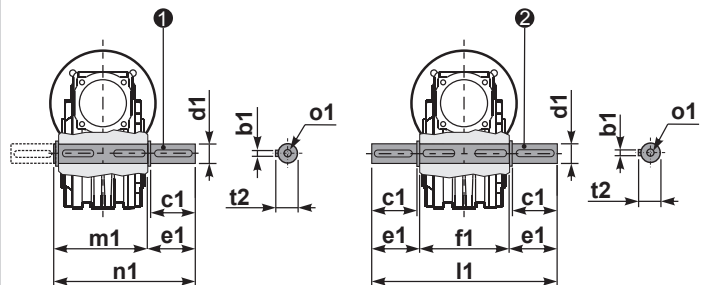
type B	øD	E	G	L	N	O	P	Q	kit code
<b>FC</b>	152 <sup>+0.06</sup> <sub>+0.00</sub>	5	16	108	40.5	176	205	13	① K085.9.010 ② -
<b>FL</b>	152 <sup>+0.06</sup> <sub>+0.00</sub>	5	16	148.5	81	176	205	13	① K085.9.010 ② K085.0.201
type S	øD	E	G	L	N	O	P	Q	kit code
<b>F1</b>	130 H7	5	13	117.5	50	165	200	11.5	① KS085.9.012 ② -
<b>F2</b>	152 <sup>+0.06</sup> <sub>+0.00</sub>	5	15	147.5	80	180	205	12.5	① KS085.9.013 ② -
<b>F4</b>	130 H7	5	13	106.5	39	165	200	13	① KS085.9.015 ② -

**P085BR...** Reaction arm  
Braccio di reazione



**P085.....S...** Single Shaft  
Albero lento semplice

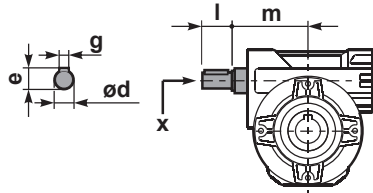
**P085.....D...** Double Shaft  
Albero lento bisp.



① kit cod. K085.5.028 type B

② kit cod. K085.5.029 type B

**R085FB...** Input shaft  
Albero in entrata



	ød	e	g	l	m	x	kit code
type B	25 h6	28	8	50	112	M8x20	① K085.5.007 PAM90 ② K085.5.008 PAM100
type S	24 h6	27	8	50	112	M8x20	① KS085.5.009 PAM90 ② KS085.5.011 PAM100

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
type B	10	60	35 <sup>-0.005</sup> <sub>-0.020</sub>	73.5	135	282	141	214.5	38	M10x23
type S	-	-	-	-	-	-	-	-	-	-