

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



MODEL	Q85	
Ø OUTPUT SHAFT	35	mm
APPROXIMATE RATIO	30	
EXACT RATIO	28.00	
OUTPUT SPEED	49	RPM
EXACT OUTPUT SPEED	52	RPM
INPUT POWER	1.10	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B14	
OUTPUT TORQUE	157.56	N.m
NOMINAL TORQUE	347.00	N.m
NOMINAL POWER	2.4	KW
SERVICE FACTOR	2.18	
DYNAMIC EFFICIENCY	0.75	



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
1.2	1.2	1.2	1.2	1.2	1.2

Radial and Axial Loads



$n_2$ [min-1]	FA [N]	FR [N]
200	500	2500
100	600	3000
50	800	4000
15	1160	5800

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PQ85**FB**... Basic wormbox  
Riduttore base

Gearbox weight  
peso riduttore **12.1 kg**

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



PQ85**FC**... Output flange  
Flangia uscita

PQ85**F1**... Output flange  
Flangia uscita



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

PQ85**FB**... Feet  
Piedini

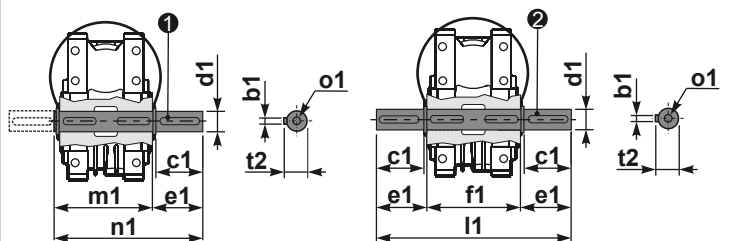
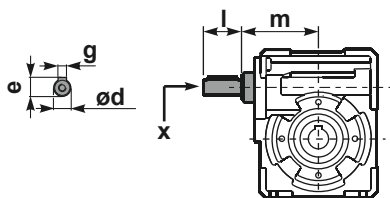
PQ85**BR**... Reaction arm  
Braccio di reazione



RQ85**FB**... Input shaft  
Albero in entrata

PQ85.....**S**... Single Shaft  
Albero lento semplice

PQ85.....**D**... Double Shaft  
Albero lento bisp.



① kit cod. K085.5.028 type B    ② kit cod. K085.5.029 type B

	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	-	-	-	-	-	-	-	-	-	-