

Technical Data Sheet  
 Gearbox  
 WORM GEARBOX SQUARE DESIGN



MODEL	Q75	
Ø OUTPUT SHAFT	30	mm
APPROXIMATE RATIO	25	
EXACT RATIO	25.00	
OUTPUT SPEED	58	RPM
EXACT OUTPUT SPEED	58	RPM
INPUT POWER	1.10	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B5	
OUTPUT TORQUE	150.06	N.m
NOMINAL TORQUE	250.00	N.m
NOMINAL POWER	1.8	KW
SERVICE FACTOR	1.64	
DYNAMIC EFFICIENCY	0.80	



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.4	0.4	0.4	0.4	0.4	0.4

Radial and Axial Loads



$n_2$ [min <sup>-1</sup> ]	FA [N]	FR [N]
200	460	2300
100	560	2800
50	720	3600
15	1000	5000

Universal Motors S.A.  
 Rua Comendador Brandão, 484  
 4495-375 Póvoa de Varzim  
[geral@universalmotors.pt](mailto:geral@universalmotors.pt)  
 TEL.: 252 299 080

Universal Motors UK, Ltd  
 Unit E2, Meltham Mills Road  
 West Yorkshire HD9 4AR  
[enquiries@universalmotors-group.co.uk](mailto:enquiries@universalmotors-group.co.uk)  
 TEL.: +44(0) 1484660222

Universal Motors SL  
 C/La Habana n.6 nave 4 PI Camporoso  
 28806 Alcalá de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
 TEL.: 918 864 213

PQ75**FB**... Basic wormbox  
Riduttore base

Gearbox weight  
peso riduttore **8.70 kg**

M. flanges	Kit code	øF	A
71B5	K023.4.041	160	114
80/90B5	K023.4.042	200	116
100/112B5	K023.4.043	250	125
80B14	K085.4.046	120	116
90B14	K085.4.045	140	116
100/112B14	K085.4.047	160	125



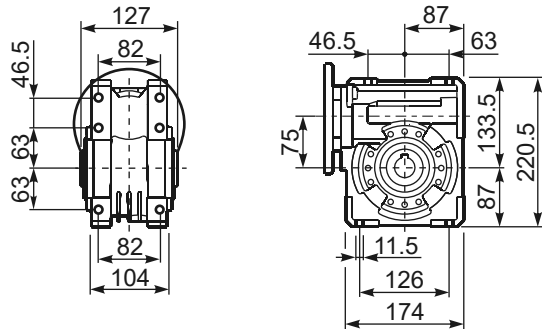
PQ75**FC**... Square flange  
Flangia quadrata



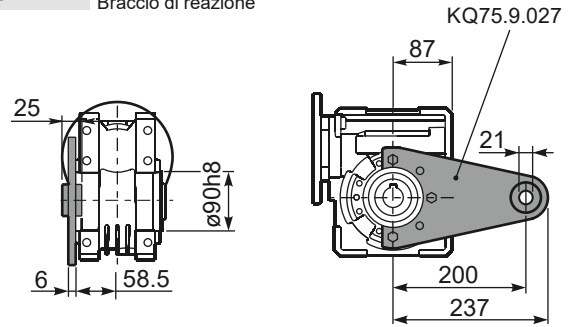
PQ75**FL**... Square flange  
Flangia quadrata



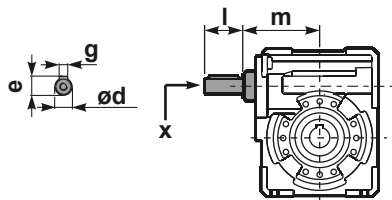
PQ75**FB**... Feet  
Piedini



PQ75**BR**... Reaction arm  
Braccio di reazione



RQ75**FB**... Input shaft  
Albero in entrata



PQ75....**S**... Single Shaft  
Albero lento semplice

PQ75....**D**... Double Shaft  
Albero lento bisp.



① kit cod. KQ75.5.028 Standard  
kit cod. KQ75.5.026 On request

② kit cod. KQ75.5.029 Standard

	ød	e	g	l	m	x	kit code
type B	25 h6	27.8	8	50	109.5	M8x20	KQ75.5.006 PAM80 K085.5.007 PAM90 K085.5.008 PAM100

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
Standard	8	60	30 <sup>-0.005</sup> <sub>-0.020</sub>	65	127	255	134	199	33	M8x20
On request	8	60	28 <sup>-0.005</sup> <sub>-0.020</sub>	65	-	-	134	199	31	M8x20