

Technical Data Sheet  
 Gearbox  
 WORM GEARBOX SQUARE DESIGN



MODEL	M30	
Ø OUTPUT SHAFT	14	mm
APPROXIMATE RATIO	15	
EXACT RATIO	15.00	
OUTPUT SPEED	97	RPM
EXACT OUTPUT SPEED	97	RPM
INPUT POWER	0.18	KW
INPUT ROTATION	1400	RPM
INPUT PAM	63B5	
OUTPUT TORQUE	13.44	N.m
NOMINAL TORQUE	19.00	N.m
NOMINAL POWER	0.25	KW
SERVICE FACTOR	1.39	
DYNAMIC EFFICIENCY	0.73	



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.03	0.03	0.03	0.03	0.03	0.03

Radial and Axial Loads



$n_2$ [min <sup>-1</sup> ]	FA [N]	FR [N]
200	120	600
100	160	800
50	200	1000
15	280	1400

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 Alcala de Henares  
[info@universalmotors-group.es](mailto:info@universalmotors-group.es)  
 TEL.: 918 864 213

PM30**FB**... Basic wormbox  
Riduttore base

Gearbox weight  
peso riduttore **1.15 kg**

M. flanges	Kit code	øF	A
56B5	K030.4.041	120	61.5
63B5	K030.4.042	140	62.5
56B14	K030.4.046	80	61.5
63B14	K030.4.045	90	62.5



PM30**FC**... Square flange  
Flangia quadrata



PM30**FB**... Feet  
Piedini



PM30**BR**... Reaction arm  
Braccio di reazione



**RM30FB**... Input shaft  
Albero in entrata



PM30...**S**... Single Shaft  
Albero lento semplice

PM30...**D**... Double Shaft  
Albero lento bisp.



① kit cod. K030.5.028 type B

② kit cod. K030.5.029 type B

	ød	e	g	l	m	x	kit code
type B	9 h6	10.2	3	20	58	-	K030.5.006 PAM63
type S	-	-	-	-	-	-	-

	b1	c1	d1	e1	f1	l1	m1	n1	t2	o1
type B	5	25	14 <sup>-0.005</sup> <sub>-0.020</sub>	35.5	55	126	59	94.5	16	M5x14
type S	-	-	-	-	-	-	-	-	-	-