

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



MODEL	M50	
Ø OUTPUT SHAFT	25	mm
APPROXIMATE RATIO	100	
EXACT RATIO	100.00	
OUTPUT SPEED	15	RPM
EXACT OUTPUT SPEED	15	RPM
INPUT POWER	0.18	KW
INPUT ROTATION	1400	RPM
INPUT PAM	63B5	
OUTPUT TORQUE	61.39	N.m
NOMINAL TORQUE	51.00	N.m
NOMINAL POWER	0.15	KW
SERVICE FACTOR	0.83	
DYNAMIC EFFICIENCY	0.50	



Oil Quantity (L)

B3/H1	B6/H4	B7/H3	B8/H2	V5/H5	V6/H6
0.14	0.14	0.14	0.14	0.14	0.14

Radial and Axial Loads



$n_2$ [min-1]	FA [N]	FR [N]
200	240	1200
100	300	1500
50	380	1900
15	560	2800

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

