

Technical Data Sheet  
 Gearbox  
 WORM GEARBOX SQUARE DESIGN



MODEL	M50	
Ø OUTPUT SHAFT	25	mm
APPROXIMATE RATIO	60	
EXACT RATIO	60.00	
OUTPUT SPEED	24	RPM
EXACT OUTPUT SPEED	24	RPM
INPUT POWER	0.18	KW
INPUT ROTATION	1400	RPM
INPUT PAM	63B14	
OUTPUT TORQUE	42.73	N.m
NOMINAL TORQUE	62.00	N.m
NOMINAL POWER	0.26	KW
SERVICE FACTOR	1.44	
DYNAMIC EFFICIENCY	0.58	



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

