

Technical Data Sheet  
Gearbox  
WORM GEARBOX SQUARE DESIGN



MODEL	Q85	
Ø OUTPUT SHAFT	35	mm
APPROXIMATE RATIO	20	
EXACT RATIO	22.00	
OUTPUT SPEED	73	RPM
EXACT OUTPUT SPEED	66	RPM
INPUT POWER	1.50	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B14	
OUTPUT TORQUE	175.57	N.m
NOMINAL TORQUE	294.00	N.m
NOMINAL POWER	2.5	KW
SERVICE FACTOR	1.67	
DYNAMIC EFFICIENCY	0.78	



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 <sup>-1</sup> ]	FA [N]	FR [N]
200	500	2500
100	600	3000
50	800	4000
15	1160	5800

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

