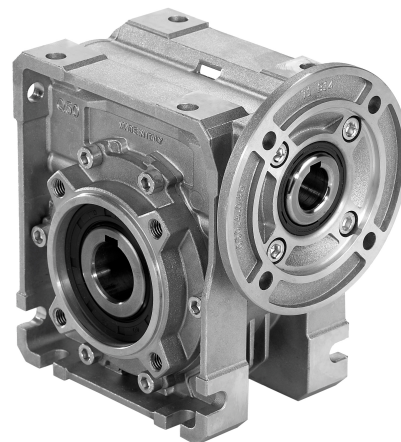


Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



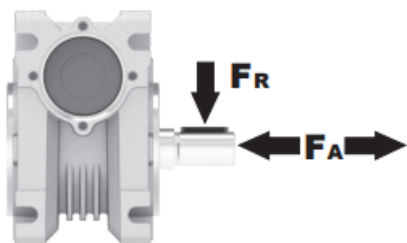
MODEL	Q85	
Ø OUTPUT SHAFT	35	mm
APPROXIMATE RATIO	40	
EXACT RATIO	38.00	
OUTPUT SPEED	37	RPM
EXACT OUTPUT SPEED	38	RPM
INPUT POWER	1.10	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B5	
OUTPUT TORQUE	202.43	N.m
NOMINAL TORQUE	336.00	N.m
NOMINAL POWER	1.8	KW
SERVICE FACTOR	1.64	
DYNAMIC EFFICIENCY	0.71	



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-1]	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
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28806 Alcala de Henares
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TEL.: 918 864 213

12.1 kg

Technical drawing of the 100mm diameter reducer, showing dimensions and mounting options.

Dimensions:

- Overall diameter: 100
- Overall width: 135
- Mounting flange diameter: $\varnothing 110h8$
- Mounting flange thickness: 3.5
- Mounting flange hole diameter: $\varnothing F$
- Mounting holes: 8 holes M10x17
- Mounting holes position: Posizione fori di montaggio
- Shaft diameter: 35H8
- Shaft length: 145.5
- Shaft key width: 10
- Shaft key height: 8
- Shaft key position: 38.3
- Shaft key position (on request): 41.3

Mounting holes position
Posizione fori di montaggio

Standard
Hollow shaft

On request
A richiesta

type S	øD	E	G	L	N	O	P	Q	kit code
F1	130 H7	5	13	117.5	50	165	200	11.5	① KS085.9.012 ② -
F2	152 ^{+0.06 +0.00}	5	15	147.5	80	180	205	12.5	① KS085.9.013 ② -
F4	130 H7	5	13	106.5	39	165	200	13	① KS085.9.015 ② -

② kit cod. K085.5.029 type B

[illegible]