

Technical Data Sheet
Gearbox
WORM GEARBOX SQUARE DESIGN



MODEL	Q85	
Ø OUTPUT SHAFT	35	mm
APPROXIMATE RATIO	15	
EXACT RATIO	14.00	
OUTPUT SPEED	97	RPM
EXACT OUTPUT SPEED	104	RPM
INPUT POWER	1.50	KW
INPUT ROTATION	1400	RPM
INPUT PAM	90B5	
OUTPUT TORQUE	111.73	N.m
NOMINAL TORQUE	305.00	N.m
NOMINAL POWER	4.1	KW
SERVICE FACTOR	2.73	
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-1]	F_A [N]	F_R [N]
200	500	2500
100	600	3000
50	800	4000
15	1160	5800

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12.1 kg

[illegible]

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 -

Technical drawings of two types of ball joints, labeled 1 and 2. Each drawing includes a front view and a side view.

Front View Dimensions:

- Joint 1:** Total width n_1 , distance between mounting points m_1 , distance from mounting point to center e_1 , distance from center to ball joint c_1 , and total height d_1 .
- Joint 2:** Total width l_1 , distance between mounting points f_1 , distance from mounting point to center e_1 , distance from center to ball joint c_1 , and total height d_1 .

Side View Dimensions:

- Joint 1:** Distance from mounting point to ball joint b_1 , and distance from ball joint to center t_2 . The ball joint is labeled o_1 .
- Joint 2:** Distance from mounting point to ball joint b_1 , and distance from ball joint to center t_2 . The ball joint is labeled o_1 .

② kit cod. K085.5.029 type B

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