

Gearbox Type:

LIW

Speed Range: 1.1 – 75 r.p.m.

In Line Double Reduction Worm Gear Units

1 or 3 Phase Induction Motors – Constant Speed

Enclosures: Standard – Ventilated Internal Fan Cooled (IP 20)

Alternative – Totally Enclosed (IP 50) with Terminal Box or T.E.F.C. (IP 54)



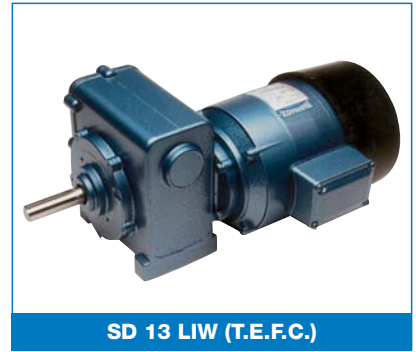
SD 28 LIW



SD 8 LIW with brake



SD 13 LIW



SD 13 LIW (T.E.F.C.)

■ Voltage, Construction, Connections, Motor Performance

Specifications and Optional Extras see pages 6, 8 and 10 for full details.

Minimum speed of 0.74 r.p.m. obtainable using 900 r.p.m. motor (SD 13).

(1 Nm = 8.85 lbs. ins.) (1 Nm = 10.2 cmkp)

Gearbox Specification Motor Speed 1400 r.p.m.		SD 8 LIW – SD 38 LIW 1 or 3 Phase		SD 28 LIW – SD 29 LIW 1 or 3 Phase		SD 13 LIW – SD 18 LIW 1 Phase		SD 13 LIW – SD 18 LIW 3 Phase		
		Motor Rating 35 watts		Motor Rating 55 watts		Motor Rating 100 watts		Motor Rating 125 watts		
FINAL R.P.M.	GEAR RATIO		OUTPUT TORQUE (Nm)							
	INT	FINAL	COMPOSITE	BRONZE	COMPOSITE	BRONZE	COMPOSITE	BRONZE	COMPOSITE	BRONZE
1.1	60:1	20 1/2:1	28	45	28	45	28	45	28	45
1.5	44:1	20 1/2:1	28	45	28	45	28	45	28	45
1.9	36:1	20 1/2:1	28	43	28	45	28	45	28	45
2.5	27:1	20 1/2:1	28	36	28	45	28	45	28	45
3.4	20 1/2:1	20 1/2:1	28	30	28	45	28	45	28	45
4	16 1/2:1	20 1/2:1	25	–	28	42	28	45	28	45
5.5	12 1/3:1	20 1/2:1	21	–	28	34	28	45	28	45
8	8 1/3:1	20 1/2:1	16	–	25	–	28	45	28	45
9.4	7 1/4:1	20 1/2:1	14	–	23	–	28	41	28	45
13	5 1/8:1	20 1/2:1	11	–	17	–	28	31	28	38
16	9 1/3:1	9:1	10	–	15	–	27	–	28	34
19	8 1/3:1	9:1	9	–	14	–	25	–	28	31
21	7 1/4:1	9:1	7	–	12	–	21	–	26	–
30	5 1/8:1	9:1	6	–	9	–	17	–	21	–
38	4 1/8:1	9:1	5	–	7.5	–	14	–	17	–

Gearbox Specification Motor Speed 2800 r.p.m.		SD 8 LIW – SD 38 LIW 1 or 3 Phase		SD 28 LIW – SD 29 LIW 1 Phase		SD 28 LIW – SD 29 LIW 3 Phase		SD 13 LIW – SD 18 LIW 1 Phase		SD 13 LIW – SD 18 LIW 3 Phase		
		Motor Rating 60 watts		Motor Rating 100 watts		Motor Rating 120 watts		Motor Rating 150 watts		Motor Rating 190 watts		
FINAL R.P.M.	GEAR RATIO		OUTPUT TORQUE (Nm)									
	INT	FINAL	COMPOSITE	BRONZE	COMPOSITE	BRONZE	COMPOSITE	BRONZE	COMPOSITE	BRONZE	COMPOSITE	BRONZE
2.2	60:1	20 1/2:1	28	45	28	45	28	45	28	45	28	45
3	44:1	20 1/2:1	28	43	28	45	28	45	28	45	28	45
3.8	36:1	20 1/2:1	28	38	28	45	28	45	28	45	28	45
5	27:1	20 1/2:1	28	31	28	45	28	45	28	45	28	45
7	20 1/2:1	20 1/2:1	26	30	28	43	28	45	28	45	28	45
8	16 1/2:1	20 1/2:1	22	–	28	37	28	42	28	45	28	45
11	12 1/3:1	20 1/2:1	18	–	28	30	28	34	28	45	28	45
16	8 1/3:1	20 1/2:1	14	–	23	–	28	–	28	35	28	44
19	7 1/4:1	20 1/2:1	12	–	20	–	24	–	28	30	28	38
26	5 1/8:1	20 1/2:1	9	–	15	–	18	–	23	–	28	–
32	9 1/3:1	9:1	8	–	13	–	16	–	20	–	28	–
38	8 1/3:1	9:1	7.5	–	12.5	–	15	–	19	–	24	–
42	7 1/4:1	9:1	7	–	11.6	–	14	–	17	–	22	–
60	5 1/8:1	9:1	5	–	8.3	–	10	–	12	–	16	–
75	4 1/8:1	9:1	4.3	–	7.2	–	8.6	–	11	–	13	–

