



SUDARSHAN GEARS

The Power Behind Power Transmission



**GEAR BOX FOR
HOIST APPLICATION**

**H SERIES
HELICAL
GEARBOX**





SUDARSHAN GEARS

H-Series Selection Chart

LOAD	SPEED (MPM)	DRUM $\varnothing$ (mm)		FALL	Motor Power (kW) , 4 Pole	Model
		MIN	MAX			
1T	4	110	230	2/1	0.75	H22
	7	110	220		1.5	H22
3T	4	110	160	4/1	2.2	H22
	7	160	310	4/1	4	H27
5T	4	170	190	4/1	4	H27
		170	270	4/1		H30
	7	170	200	4/1	7.5	H27
		170	280	4/1		H30
7.5T	4	230	400	4/1	5.5	H35
	7	230	430	4/1	11	H35
10T	4	270	380	4/1	7.5	H35
	7	270	380	4/1	15	H35
15T	4	280	360	4/1	11	H42
	7	280	350	4/1	22	H42
20T	4	270	400	6/1	15	H42
	7	270	400	6/1	30	H42
25T	4	280	310	6/1	18.5	H42
		280	460	6/1	18.5	H50
30T	4	280	400	6/1	22	H50
40T	3	300	400	8/1	22	H50
		300	450	8/1	22	H62
50T	3	320	400	8/1	30	H62

Note:- Above selection is considering 1.05 Service factor
and For any other Combination of Different Drum
diameter, Load , Speed, etc Please Contact us.





SUDARSHAN GEARS

H - SERIES RATING CHART

DESIGN CAPACITY(KW) FOR FOLLOWING RATIOS (1440 RPM & M5 DUTY)

SR NO.	MODEL	25.68	31.77	36.31	41.76	46.04	50.98	56.74	61.33	64.65	72.17	76.45	81.13	86.28	91.97	94.19	99.95	106.3	113.3	121.1	129.8
1	H27	8.0	6.6	5.6	5.0	4.4	3.9	3.6	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.1	2.0	1.8	1.7	1.6	1.5
2	H30	11.5	9.5	8.1	7.2	6.4	5.6	5.3	4.7	4.4	4.1	3.9	3.6	3.4	3.1	3.1	2.9	2.7	2.5	2.4	2.2
3	H35	25.7	21.1	18.1	16.1	14.3	12.6	11.8	10.5	9.8	9.2	8.7	8.1	7.5	7.0	6.8	6.4	6.0	5.7	5.3	4.9
4	H42	45.3	37.3	31.9	28.6	25.4	-	-	18.6	17.5	16.5	15.4	14.4	-	-	12.2	11.5	10.8	10.1	9.5	8.9
5	H50	68.4	56.5	48.4	43.3	38.5	34.0	31.8	28.2	26.6	25.0	23.5	22.0	20.5	19.0	18.6	17.5	16.5	15.5	14.5	13.5
6	H62	123.5	101.3	86.4	77.1	68.3	60.0	56.1	49.6	46.7	43.8	41.0	38.3	35.6	33.1	32.3	30.4	28.5	26.7	24.9	23.2

DESIGN CAPACITY(KW) FOR FOLLOWING RATIOS (960 RPM & M5 DUTY)

SR NO.	MODEL	25.68	31.77	36.31	41.76	46.04	50.98	56.74	61.33	64.65	72.17	76.45	81.13	86.28	91.97	94.19	99.95	106.3	113.3	121.1	129.8
1	H27	5.3	4.4	3.7	3.3	3.0	2.6	2.4	2.1	2.0	1.9	1.8	1.7	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0
2	H30	7.7	6.3	5.4	4.8	4.3	3.8	3.5	3.1	2.9	2.8	2.6	2.4	2.2	2.1	2.0	1.9	1.8	1.7	1.6	1.5
3	H35	17.1	14.1	12.0	10.8	9.6	8.4	7.9	7.0	6.6	6.2	5.8	5.4	5.0	4.7	4.6	4.3	4.0	3.8	3.5	3.3
4	H42	30.2	24.9	21.3	19.1	16.9	-	-	12.4	11.7	11.0	10.3	9.6	-	-	8.2	7.7	7.2	6.8	6.3	5.9
5	H50	45.6	37.6	32.2	28.9	25.7	22.7	21.2	18.8	17.7	16.7	15.7	14.6	13.7	12.7	12.4	11.7	11.0	10.3	9.6	9.0
6	H62	82.3	67.5	57.6	51.4	45.6	40.0	37.4	33.1	31.1	29.2	27.3	25.5	23.8	22.0	21.5	20.2	19.0	17.8	16.6	15.5

DESIGN CAPACITY(KW) FOR FOLLOWING RATIOS (750RPM & M5 DUTY)

SR NO.	MODEL	25.68	31.77	36.31	41.76	46.04	50.98	56.74	61.33	64.65	72.17	76.45	81.13	86.28	91.97	94.19	99.95	106.3	113.3	121.1	129.8
1	H27	4.2	3.4	2.9	2.6	2.3	2.0	1.9	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.8	0.8
2	H30	6.0	4.9	4.2	3.8	3.3	2.9	2.7	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.6	1.5	1.4	1.3	1.2	1.2
3	H35	13.4	11.0	9.4	8.4	7.5	6.6	6.1	5.4	5.1	4.8	4.5	4.2	3.9	3.7	3.6	3.4	3.2	3.0	2.8	2.6
4	H42	23.6	19.4	16.6	14.9	13.2	-	-	9.7	9.1	8.6	8.0	7.5	-	-	6.4	6.0	5.6	5.3	4.9	4.6
5	H50	35.6	29.4	25.2	22.6	20.1	17.7	16.6	14.7	13.9	13.0	12.2	11.4	10.7	9.9	9.7	9.1	8.6	8.1	7.5	7.0
6	H62	64.3	52.8	45.0	40.2	35.6	31.3	29.2	25.8	24.3	22.8	21.4	19.9	18.6	17.2	16.8	15.8	14.8	13.9	13.0	12.1

Note:- For any other Doubt please feel free to contact us.

