



SANY

Quality Changes the World

Max Lifting Capacity: 60T

Chassis: 8x4 Driving Axle

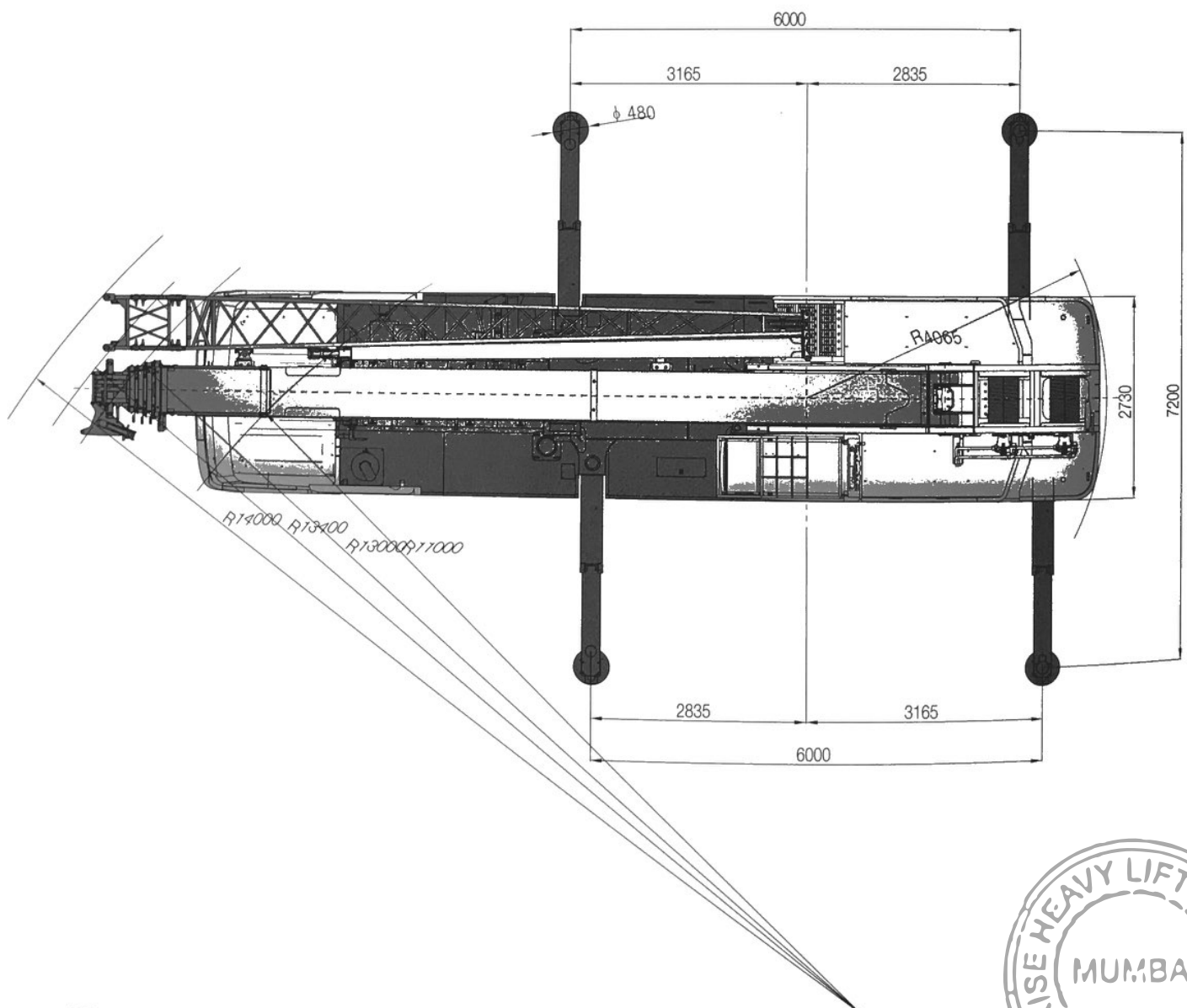
Boom Length: 11.3-43.5m

**U-SHAPE 5 SECTION BOOM
REMARKABLE CHASSIS PERFORMANCE
INNOVATIVE ELECTRO- HYDRAULIC SYSTEM**



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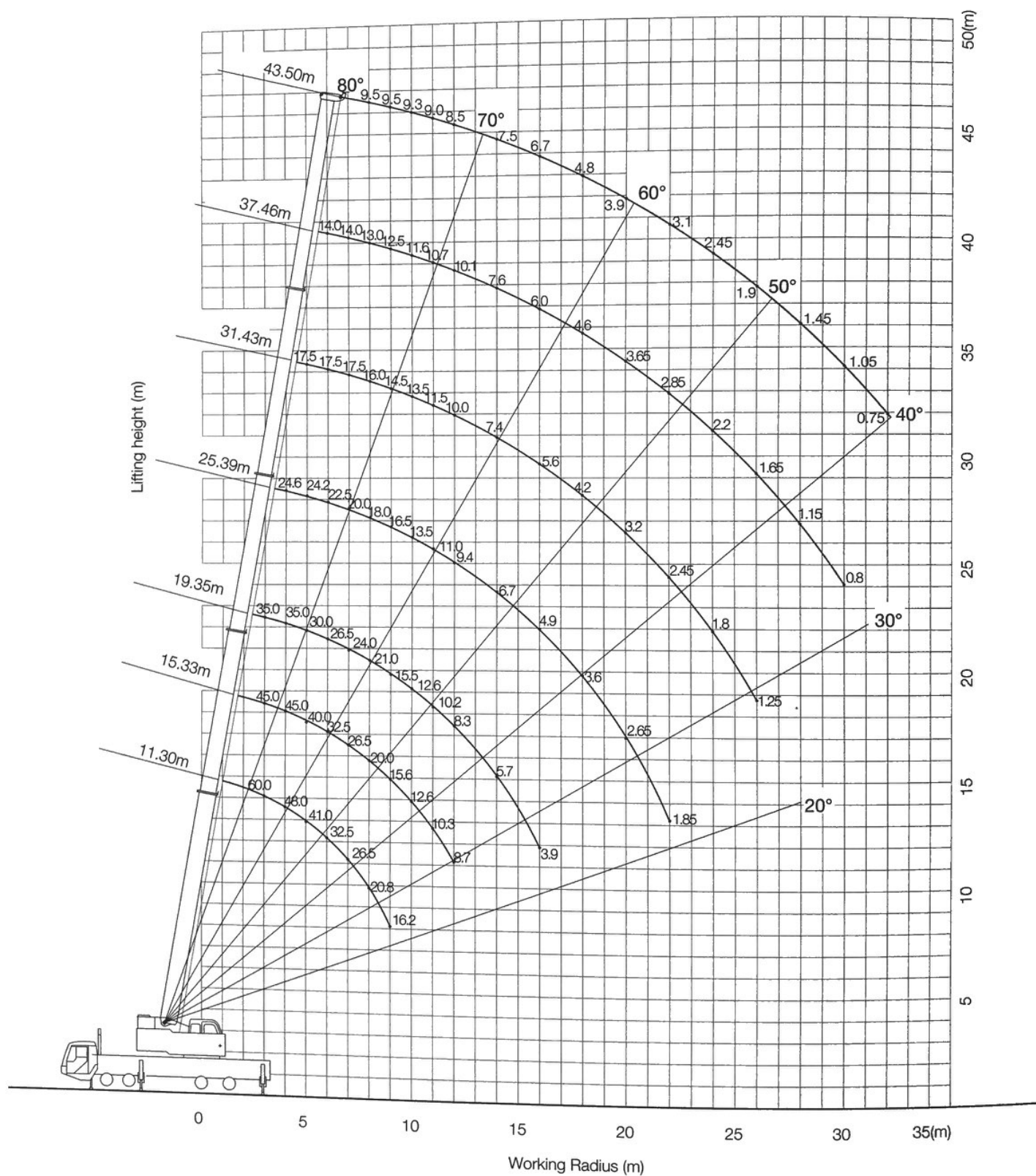




Type	Item		Parameter
Capacity	Max. lifting capacity		60 t
Dimensions	Overall length		13700 mm
	Overall width		2750 mm
	Overall height		3750 mm
	Axle distance	Axle-1,2	1450 mm
		Axle-2,3	4200 mm
		Axle-3,4	1350 mm
Weight	Overall weight		42000 kg
	Axle load	Axle load-1,2	16000 kg
		Axle load-3,4	26000 kg
	Rated power		250 kW/ 2100 rpm
	Rated torque		1425 N.m/ 1200-1500 rpm
Traveling	Max.traveling speed		50 km/h
	Turning radius	Min.turning radius	11 m
		Min.turning radius of boom head	14 m
	Wheel formula		8 × 4
	Min.ground clearance		295 mm
	approach angle		19 °
	Departure angle		14 °
	Max.gradeability		42%
Main Performance Data	Fuel consumption per 100km		• 43 L
	Temperature range		- 20 ° ~ + 40 °
	Min.rated range		3 m
	Tail slewing radius of swingtable		4.065 m
	Boom section		5
	Boom shape		U-shaped
	Max.lifting moment	Base boom	2009 kN-m
		Full-extend boom	1050.6 kN-m
		Full-extend boom+jib	521.1 kN-m
	Boom length	Base boom	11.3 m
		Full-extend boom	43.5 m
		Full-extend boom+jib	59.5 m
	Outrigger span (Longitudinal×Transversal)		6 × 7.2 m
	Jib offset		0 °, 15 °, 30 °
Working speed	Max.single rope lifting speed of main winch (no load)		125 m/min
	Max.single rope lifting speed of auxiliary winch (no load)		125 m/min
	Full extension/retraction time of boom		100 / 120 s
	Full lifting/descending time of boom		60 / 80 s
	Slewing speed		0~2.0 r/min
Aircondition	Aircondition in up cab		Cooling
	Aircondition in low cab		Heating/Cooling



STC600S Working Ranges of Boom



Unik:kg

STC600S Boom load Chart

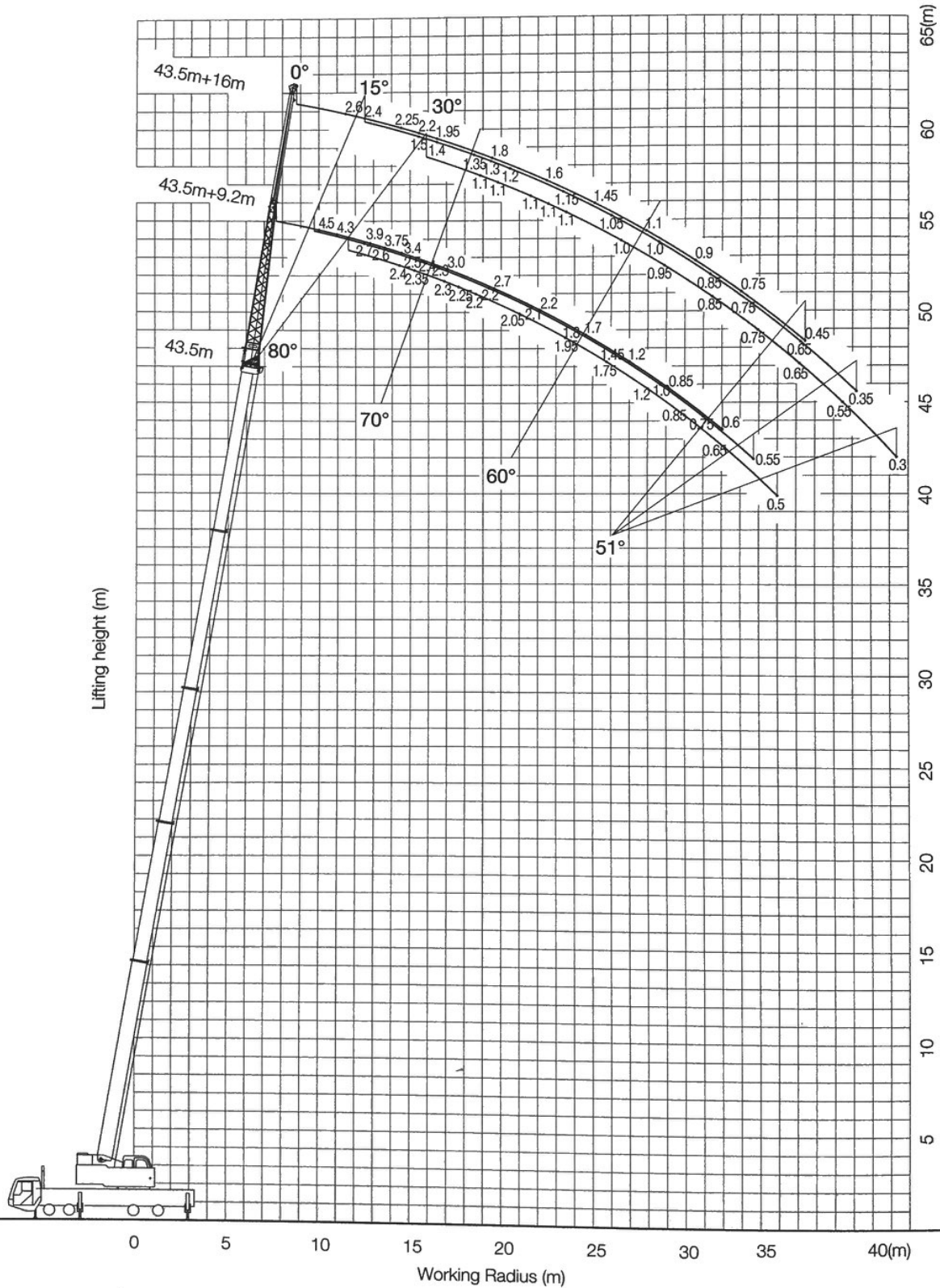
radius (m)	Outrigger extended, over side and rear (4.6T fixed counterweight)										radius (m)	
	11.3	15.33	17.34	19.35	23.38	25.39	29.41	31.43	35.45	37.46		43.5
3.0	60000	45000	24600	35000								3.0
3.5	55000	45000	24600	35000	17500							3.5
4.0	48000	45000	24200	35000	17500	24600						4.0
4.5	45000	43000	24000	33000	17500	24600	14000					4.5
5.0	41000	40000	22500	30000	17500	24200	14000	17500				5.0
5.5	36000	36000	21000	28000	17500	24000	14000	17500	9500			5.5
6.0	32500	32500	20000	26500	16500	22500	13500	17500	9500	14000		6.0
6.5	29500	29500	19000	25000	16000	21000	12900	17500	9500	14000		6.5
7.0	26500	26500	18000	24000	15500	20000	12400	17500	9500	14000		7.0
7.5	23200	23500	17000	22000	15000	19000	11800	16700	9500	13500		7.5
8.0	20800	20000	16500	21000	14000	18000	11300	16000	9300	13000	9500	8.0
9.0	16200	15600	16000	15500	13000	16500	10500	14500	9000	12500	9500	9.0
10.0		12600	14600	12600	12500	13500	9600	13500	8500	11600	9300	10.0
11.0		10300	12100	10200	12000	11000	8900	11500	7800	10700	9000	11.0
12.0		8700	10200	8300	10600	9400	8300	10000	7300	10100	8500	12.0
14.0			7500	5700	8100	6700	7300	7400	6300	7600	7500	14.0
16.0				3900	6300	4900	6400	5600	5500	6000	6700	16.0
18.0					5000	3600	5300	4200	4700	4600	4800	18.0
20.0					4000	2650	4300	3200	4100	3650	3900	20.0
22.0						1850	3500	2450	3600	2850	3100	22.0
24.0							2800	1800	3050	2200	2450	24.0
26.0							2300	1250	2450	1650	1900	26.0
28.0									2050	1150	1450	28.0
30.0									1650	800	1050	30.0
32.0									1400		750	32.0
Telescoping Condition(%)												
Modes	••	•	•	•	•	•	•	•	•	•	••	Modes
2 section boom	0	50	0	100	0	100	0	100	0	100	100	2 section boom
3 section boom	0	0	25	0	50	25	75	50	100	75	100	3 section boom
4 section boom	0	0	25	0	50	25	75	50	100	75	100	4 section boom
5 section boom	0	0	25	0	50	25	75	50	100	75	100	5 section boom
Number of lines	12	10	6	8	4	6	4	4	3	4	3	Number of lines

Notes:

1. Values listed in the table refer to rated lifting capacity measured at flat and solid ground under the level state of the crane;
2. Value above heavy line shall be determined by strength of the crane and under this line shall be determined by stability of the crane;
3. Working radius listed in the load chart is the actual radius with load;
4. Rated load values determined by stability shall comply with ISO 4305;
5. Rated lifting capacity listed in the table included weights of lifting hooks (610kg of main hook and 90kg of auxiliary hook) and hangers;
6. With the 5th outrigger extended, the value listed in the table shall be applicable for 360° operation;
7. Rated lifting capacity with pulley at boom tip shall not exceed 4000kg. If jib is applied, the rated lifting capacity of the boom shall be deducted by 2300kg.
8. If actual boom length and range are between two values specified in the table, larger value will determine the lifting capacity.



STC600S Working Ranges of Jib



Unit:kg

Full-extend outriggers, over side and rear, with max.
span up to 6m×7.2m, counterweight of 4.6t, 360° rotation

Main boom angle(°)	43.5+16m jib		
	0°	15°	30°
78°	2600	1500	1100
77°	2400	1400	1100
75°	2250	1350	1100
74°	2200	1300	1100
73°	1950	1200	1100
70°	1800	1150	1000
67°	1600	1050	950
64°	1450	1000	850
61°	1100	850	750
58°	900	750	650
55°	750	650	550
51°	450	350	300
Min.elevation angle		51°	

Unit:kg

Full-extend outriggers, over side and rear, with max.
span up to 6m×7.2m, counterweight of 4.6t, 360° rotation

Main boom angle(°)	43+9.2m jib		
	0°	15°	30°
78°	4500	2700	2400
77°	4300	2600	2350
75°	3900	2500	2300
74°	3750	2400	2250
73°	3400	2300	2200
70°	3000	2200	2050
67°	2700	2100	1950
64°	2200	1800	1750
61°	1700	1450	1200
58°	1200	1000	850
55°	850	750	650
51°	600	550	500
Min.elevation angle		51°	

