

600 KILOWATT SYSTEM (Makani)

Lifter kite angle - Deg. = 45

Ground tether angle - Deg. = 30

ALTITUDE - KM	1	2	5	10
WIND SPEED - MET/SEC	9.13	11.82	19.87	33.30
AIR DENSITY - KG/SQ.M	1.11	1.01	0.74	0.41
1/2 TETHER WEIGHT - KG	1000	2000	5000	10000
TURBINE DIAMETER - M	47.89	34.17	18.36	11.35
TURBINE THRUST - KG	65717	50781	30193	18018
KITE LIFTING FORCE - KG	109947	84958	50514	30145
LIFTER KITE AREA - SQ. M	48671	22456	4720	1003

600 KILOWATT SYSTEM (Makani)

Lifter kite angle - Deg. = 45

Ground tether angle - Deg. = 10

ALTITUDE - KM	1	2	5	10
WIND SPEED - MET/SEC	9.13	11.82	19.87	33.30
AIR DENSITY - KG/SQ.M	1.11	1.01	0.74	0.41
1/2 TETHER WEIGHT - KG	2879	5759	14397	28794
TURBINE DIAMETER - M	47.89	34.17	18.36	11.35
TURBINE THRUST - KG	65717	50781	30193	18018
KITE LIFTING FORCE - KG	56386	43570	25906	15460
LIFTER KITE AREA - SQ. M	24961	11516	2421	514