

CAUTION ON RATED LIFTING CAPACITY TABLE

RATED LIFTING CAPACITY TABLES (1)/(2) WITH OUTRIGGERS

Rated lifting capacities are the maximum loads guaranteed on firm level ground including the weight of hook block and other lifting equipments. Portions used by bold lines are determined by the mechanical strength of the crane, and other portions by its stability.

Hook Weight (kg)	For 30 tons	For 3 tons
	300	60

Working radii as given in the table are the actual values including the deflection of the boom. Therefore, operate the crane based on the working radius.

Working radius for jib operation should be the one for operation with the fully extended boom (28.4 m). Only boom angle has an effect on operation with the jib when the boom is not fully extended.

Capacity for lifting over the side differs between the full extension and intermediary extension of outriggers. So exactly read the value given in the rated lifting capacity table for each extension. Lifting over the front or rear must meet the rated lifting capacity table for operation with the outriggers fully extended.

Rated lifting capacities of the rooster sheave are determined by subtracting the weight of 30-ton hook (300 kg) from the capacities of the main boom, and maximum rated lifting capacity is 3,000 kg.

When the boom length exceeds the specified value, the rated lifting capacities for boom lengths adjacent to the present boom length should be referred to, and the crane should be operated with the smaller lifting capacity.

When using the boom with the jib mounted, 1,200 kg should be subtracted from the rated lifting capacities besides the weight of the lifting equipment, etc. In this case, use the rooster sheave.

Minimum rope reeving with the hook is determined so that weight per rope line does not exceed 3,125 kg. The standard rope reeving with the hook in terms of the boom length is as shown below.

Boom length	8.9 m	8.9 ~ 15.4 m	15.4 ~ 28.4 m	With jib or rooster sheave
Rope parts	10	8	4	1

Pay attention to the critical angle. Below this angle, the crane may tip over even when no load is hoisted.

10. As a rule, free fall is employed for lowering the hook only. If it is necessary to lower a load by free fall mode, its weight should not exceed 20 percent of the rated lifting capacity. In this case, definitely avoid abrupt brake operation.

11. The crane will tip over or be damaged if operated with a load greater than specified in the rated lifting capacity table or if not conforming to correct handling. In this case, the crane will not be guaranteed.

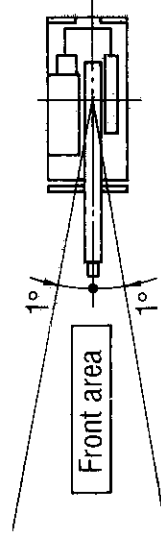
RATED LIFTING CAPACITY TABLE (3) WITHOUT OUTRIGGERS

Caution

1. The rated lifting capacities are the maximum loads guaranteed on firm level ground when tire air pressure is at the specified level and the suspension lock cylinder is retracted completely, and these values include the weight of hook block and other lifting equipments.

(Specified tire air pressure: 7.75 kg/cm²)

2. Rated lifting capacities differ between front lifting and full 360° lifting. Attention should be paid when slewing from the front to side area since an overload might occur.



3. Neither jib operation nor free-fall operation is allowed when the outriggers are unused.

4. The parking brake must be applied for stationary load lifting on rubber.

5. For pick and carry operation, the high/low selector switch must be set at the low range.

6. In the pick and carry mode, a load must be held near the ground so as not to be swung, and the machine must be driven at slower than 2 km/h. Particular attention should be paid in order to avoid sharp cornering, sudden start and abrupt braking.

7. Never try crane operation during traveling.

8. For other than the above items, refer to "Caution 1, 2, 5, 8, 9 and 11" in "RATED LIFTING CAPACITY TABLES (1)/(2) WITH OUTRIGGERS".