

Load Chart US Standard

IC-280-A Industrial Crane

LOAD RADIUS IS THE HORIZONTAL DISTANCE FROM THE CENTER OF ROTATION OF THE UNLOADED CRANE TO THE VERTICAL LOAD LINE WITH THE LOAD APPLIED.

LOAD HOOKS, DOWN HAUL WEIGHTS, HOOK BLOCKS, AND OTHER LOAD HANDLING DEVICES EXCEPT HOIST ROPE SHALL BE CONSIDERED PART OF THE LOAD.

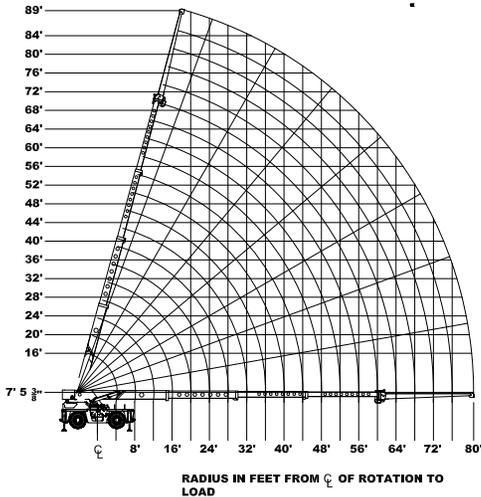
CAPACITIES ON OUTRIGGERS OUT AND DOWN ARE 85% OF TIPPING LOADS. CAPACITIES ON IN & DOWN OR MID & DOWN OUTRIGGERS ARE LESS THAN 85% OF TIPPING LOADS. CAPACITIES ON RUBBER ARE 75% OF TIPPING LOADS. CAPACITIES BELOW BOLD LINES ARE LIMITED BY TIPPING. OTHER CAPACITIES ARE LIMITED BY STRUCTURAL OR HYDRAULIC CAPACITY.

PICK AND CARRY WITH THE SHORTEST PRACTICAL BOOM, CENTERED OVER THE FRONT. OPERATE WITI-I BOOM AS LOW AS POSSIBLE, WITH THE LOAD CLOSE TO THE GROUND. PICK AND CARRY CAPACITIES ARE FOR SMOOTH, LEVEL PAVED SURFACE. SPEED MUST BE LESS THAN 3 MPH.

DECK CAPACITY 17,000 LBS. WITH EMPTY BOOM RETRACTED OVER FRONT. DECK LOADS MUST BE CENTERED BEHIND FRONT AXLE. SPEED MUST BE LESS THAN 2 MPH. MAXIMUM TRAVEL 200 FT. IN 30 MINIJTES ON SMOOTH PAVEMENT.

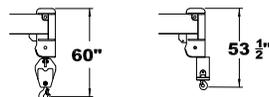
THE BOOMS ON THIS UNIT ARE ALL STEEL AND HAVE NO LINE VOLTAGE RATING - NO ELECTRICAL INSULATION VALUE.

MAXIMUM HYDRAULIC PRESSURE: 3000 PSI BOOM EXTENSION DEDUCT: 500 LBS WHEN STOWED ON BASE BOOM.



FOURTH STAGE TIP

USE FOUR PART LINE FOR LOADS TO 40,000 LBS.

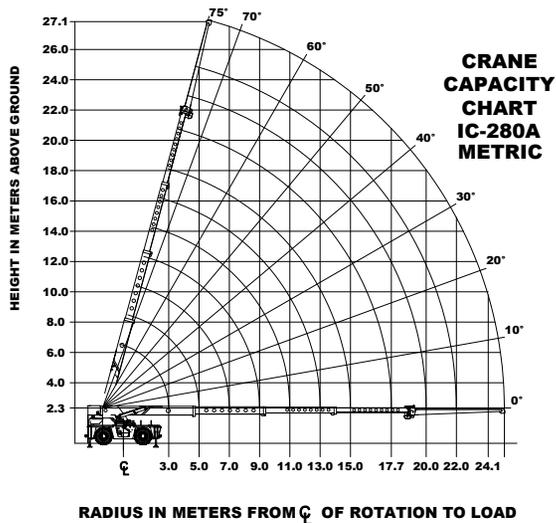


SHEAVE BLOCK & HOOK: 400 LBS.

| | | CAPACITIES APPLY TO OPERATION ON FIRM LEVEL SURFACE | | | | | | |
|------------------------|------------------------|-----------------------------------------------------|-----------------------|-----------------------|----------------------|------------|---------------|------|
| | | MAIN BOOM OR EXTENSION CAPACITIES IN POUNDS | | | | | | |
| LOAD RADIUS FEET | BOOM EXT. OFFSET ANGLE | 360° ROTATION | | | | OVER FRONT | | |
| | | ON RUBBER | OUTRIGGERS OUT & DOWN | OUTRIGGERS MID & DOWN | OUTRIGGERS IN & DOWN | ON RUBBER | ON OUTRIGGERS | |
| 6 | | 16000 | 40000 | 40000 | 40000 | 16000 | 40000 | |
| 8 | | 16000 | 34000 | 34000 | 34000 | 16000 | 34000 | |
| 10 | | 10300 | 30000 | 30000 | 21200 | 16000 | 30000 | |
| 12 | | 6800 | 28000 | 28000 | 16600 | 16000 | 28000 | |
| 14 | | 6200 | 24000 | 20000 | 12000 | 15300 | 24000 | |
| 16 | | 4500 | 21000 | 15700 | 9400 | 11800 | 21000 | |
| 18 | | 3500 | 18900 | 14700 | 7700 | 9300 | 18900 | |
| 20 | | 3100 | 17000 | 11300 | 6400 | 7800 | 17000 | |
| 22 | | 2300 | 15100 | 9900 | 5400 | 6800 | 14900 | |
| 24 | | 1800 | 13100 | 8000 | 4600 | 5900 | 13100 | |
| 26 | | 1500 | 11800 | 7300 | 4000 | 5200 | 11900 | |
| 28 | | 1000 | 10400 | 6500 | 3300 | 4600 | 10300 | |
| 30 | | --- | 9400 | 5700 | 2900 | 4000 | 9400 | |
| 32 | | --- | 8500 | 5100 | 2500 | 3600 | 8400 | |
| 34 | | --- | 7700 | 4500 | 2200 | 3200 | 7400 | |
| 36 | | --- | 6900 | 4000 | 1900 | 2800 | 6900 | |
| 38 | | --- | 6300 | 3700 | 1700 | 2500 | 6300 | |
| 40 | | --- | 5700 | 3200 | 1400 | 2200 | 5700 | |
| 42 | | --- | 5200 | 3000 | 1100 | 2000 | 5200 | |
| 44 | | --- | 4800 | 2700 | 900 | 1800 | 4800 | |
| 46 | | --- | 4400 | 2400 | --- | 1600 | 4400 | |
| 48 | | --- | 4000 | 2200 | --- | 1400 | 4100 | |
| 50 | | --- | 3700 | 2000 | --- | 1200 | 3700 | |
| 52 | | --- | 3400 | 1800 | --- | 1100 | 3500 | |
| 54 | | --- | 3200 | 1500 | --- | 900 | 3200 | |
| 56 | | --- | 2900 | 1400 | --- | --- | 3000 | |
| 58 | | --- | 2700 | 1200 | --- | --- | 2700 | |
| 60 | | --- | 2500 | 1100 | --- | --- | 2150 | |
| 64 | | --- | 2100 | --- | --- | --- | 1800 | |
| 68 | | --- | 1800 | --- | --- | --- | 1500 | |
| 72 | | --- | 1400 | --- | --- | --- | 1300 | |
| 76 | | --- | 1100 | --- | --- | --- | 1200 | |
| 79 | | --- | 900 | --- | --- | --- | 1100 | |
| BOOM EXT. OFFSET ANGLE | | 20-FOOT BOOM EXTENSION CAPACITIES | | | | | | |
| | | MAIN BOOM ANGLE | | | | | | |
| | | 0° | 15° | 30° | 40° | 50° | 60° | 75° |
| 0° | 2600 | 2750 | 3000 | 3400 | 4100 | 5100 | 6200 | 7000 |
| 15° | --- | 2500 | 2600 | 2700 | 2900 | 3300 | 4300 | 4800 |
| 30° | --- | --- | 2300 | 2400 | 2500 | 2700 | 3200 | 3400 |

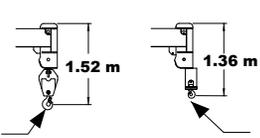
Load Chart Metric

IC-280-A Industrial Crane



USE FOUR PART LINE FOR LOADS UP TO 18,100 kg

WT 100 kg



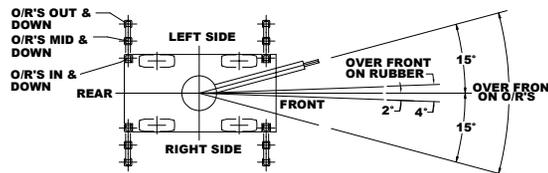
USE SINGLE PART LINE FOR LOADS UP TO 4,500 kg

WT 80 kg

CAPACITIES APPLY TO OPERATION ON FIRM LEVEL SURFACE
MAIN BOOM OR EXTENSION CAPACITIES IN KILOGRAMS

| LOAD RADIUS METERS | 360° ROTATION | | | | OVER FRONT | |
|--------------------|---------------|-----------------------|-----------------------|----------------------|------------|---------------|
| | ON RUBBER | OUTRIGGERS OUT & DOWN | OUTRIGGERS MID & DOWN | OUTRIGGERS IN & DOWN | ON RUBBER | ON OUTRIGGERS |
| 1.8 | 6700 | 18100 | 18100 | 18100 | 6700 | 18100 |
| 2.0 | 6700 | 17200 | 17200 | 17200 | 6700 | 17200 |
| 2.5 | 6600 | 15200 | 15200 | 15000 | 6700 | 15200 |
| 3.0 | 4800 | 13700 | 13700 | 9800 | 6700 | 13700 |
| 3.5 | 3400 | 13000 | 13000 | 8000 | 6700 | 13000 |
| 4.0 | 2900 | 11600 | 10600 | 6300 | 6700 | 11600 |
| 4.5 | 2500 | 10300 | 8200 | 4900 | 6500 | 10300 |
| 5.0 | 1900 | 9300 | 7000 | 4100 | 5000 | 9300 |
| 6.0 | 1400 | 7800 | 5200 | 3000 | 3600 | 7800 |
| 7.0 | 900 | 6400 | 4000 | 2200 | 2900 | 6300 |
| 8.0 | 600 | 5300 | 3200 | 1800 | 2300 | 5300 |
| 9.0 | --- | 4300 | 2700 | 1300 | 1900 | 4300 |
| 10.0 | --- | 3700 | 2200 | 1100 | 1500 | 3600 |
| 11.0 | --- | 3100 | 1800 | 800 | 1200 | 3100 |
| 12.0 | --- | 2700 | 1500 | 700 | 1000 | 2600 |
| 13.0 | --- | 2300 | 1300 | 400 | 900 | 2300 |
| 14.0 | --- | 2000 | 1100 | --- | 700 | 2000 |
| 15.0 | --- | 1700 | 900 | --- | 600 | 1700 |
| 16.0 | --- | 1500 | 800 | --- | 500 | 1500 |
| 17.0 | --- | 1300 | 600 | --- | --- | 1400 |
| 17.7 | --- | 1200 | 500 | --- | --- | 1200 |
| 18.0 | --- | 1200 | 500 | --- | --- | 1100 |
| 19.0 | --- | 1000 | --- | --- | --- | 900 |
| 20.0 | --- | 900 | --- | --- | --- | 700 |
| 21.0 | --- | 800 | --- | --- | --- | 600 |
| 22.0 | --- | 600 | --- | --- | --- | 600 |
| 23.0 | --- | 500 | --- | --- | --- | 500 |
| 24.1 | --- | 400 | --- | --- | --- | 500 |

| BOOM EXT. OFFSET ANGLE | 6.1 METER BOOM EXTENSION CAPACITIES | | | | | | |
|------------------------|-------------------------------------|------|------|------|------|------|------|
| | MAIN BOOM ANGLE | | | | | | |
| 0° | 1200 | 1200 | 1300 | 1500 | 1800 | 2300 | 3100 |
| 15° | --- | 1100 | 1200 | 1200 | 1300 | 1500 | 2200 |
| 30° | --- | --- | 1000 | 1100 | 1100 | 1200 | 1500 |



THE LOAD HOIST LINE ON THIS UNIT MUST BE 14 mm DIA. 114 m LONG 6 X 36 EEPIS WIRE ROPE (OR EQUIVALENT) WITH A MINIMUM BREAKING STRENGTH OF 160 kN.

APPROVED TIRES: 385 / 65 D22.5 16 PLY OTR - 825 kPa

TORQUE WHEEL NUTS TO 680 Nm (THESE CONDITIONS MUST BE MAINTAINED TO HANDLE RATED LOADS ON THIS CRANE.)

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LOAD HOOKS, DOWN HAUL WEIGHTS, HOOK BLOCKS, AND OTHER LOAD HANDLING DEVICES EXCEPT HOIST ROPE SHALL BE CONSIDERED PART OF THE LOAD.

CAPACITIES ON OUTRIGGERS OUT AND DOWN ARE 85% OF TIPPING LOADS. CAPACITIES ON IN & DOWN OR MID & DOWN OUTRIGGERS ARE LESS THAN 85% OF TIPPING LOADS. CAPACITIES ON RUBBER ARE 75% OF TIPPING LOADS. CAPACITIES BELOW BOLD LINES ARE LIMITED BY TIPPING. OTHER CAPACITIES ARE LIMITED BY STRUCTURAL OR HYDRAULIC CAPACITY.

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DECK CAPACITY 6700 KG WITH EMPTY BOOM RETRACTED OVER FRONT. DECK LOADS MUST BE CENTERED BEHIND FRONT AXLE. SPEED MUST BE LESS THAN 3.2 KPH. MAXIMUM TRAVEL 60 N IN 30 MINUTES ON SMOOTH PAVEMENT.

THE BOOMS ON THIS UNIT ARE ALL STEEL AND HAVE NO LINE VOLTAGE RATING - NO ELECTRICAL INSULATION VALUE.

MAXIMUM HYDRAULIC PRESSURE: 207 BAR
PSI BOOM EXTENSION DEDUCT: 220 KG
WHEN STOWED ON BASE BOOM.

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