


| $\because$ <br> Lこうこ <br> I： | $\begin{gathered} \text { Fund } \\ \mathrm{H}-2 y \text { ari } \\ 30 \% \\ =- \end{gathered}$ |  <br>  |  |  |
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|  |  |  | にE サロロ 23 <br>  |  |
| 1らい | 88 | 4－235 | 40.03 | $\bar{z}^{*}$ |
|  |  | 54.505 | 5\％\％ | \％ |
|  |  | －6， | 25.723 | 3 |
|  |  | $\square 50$ | 14，1\％： | s |
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|  |  | 1．76 | － | $\because$ |

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1. CAPACITIES LISTED EXCEPT WHERE NOTED BY "*", ARE BASED ON $75 \%$ OF STATIC LOAD WITH BOOM ACROSS
CRAWLERS AND MACHINE ON FIRM, LEVEL GROUND. CAPACITIES LISTED BY "*" ARE LIMITED BY STRUCTURAL
COMPETENCE.
2. GANTRY MUST BE UP FOR ALL LIFTING OPERATIONS.
3. MAXIMUM BOOM LENGTH $104^{\prime}$ ', MINIMUM 40'.
4. WEIGHT OF LOAD BLOCK, WEIGHT BALL. SLINGS, ETC. IS CONSIDERED PART OF THE LOAD.
5. MACHINE IS EQUIPPED WITH $20,-4^{\prime \prime}$ CRAWLERS, 48" TREADS.
6. TOTAL COUNTERWEIGHT OF 74,000 LB.

CAPACITY 100 -TON 3900 DRIVER


NOTES

1. Determine weight of core and shell (or follower and pile) plus drill, auger, drill qides, jet, pile lifting brackets, etc. Allowance has already been made for boom, leaders, spotter, hammer, extensions and capblocks.
2. Consult column for hamner to be used and select weight nearest to that figured above. Read to right to determine safe operating radius from kingpin to center .f leader colums.

## DRAGLINE CAPACITIES

## BOOM NO. 8 WITH OPEN THROAT TOP <br> hinged falrlead

58,500 LB. COUNTERWEIGHT

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed $75 \%$ of a static tipping load. Capacities are based on tipping. structural competence, operating speeds and other factors. Capacities based on structural competence are denoted by shaded areas.
Capacities are shown in pounds. Weight of bucket is considered part of the load. Deduct 500 lb . from capacities based on tipping ( marked with an asterisk) if lower boom point sheaves are not removed. Where no capacity is shown, operation is not intended or approved.
OPERATING CONDITIONS: Machine to operate in a level position on a firm surface with gantry in working position and be rigged in accordance with and under conditions referred to in rigging drawing No. 42925, No. 43258, No. 48029 , No. 48237 or No. 49990 , wire rope specification chart No. 6663-A

Crane operator judgment must be used to allow for adverse operating conditions and physical machine depreciation.
OPERATING RADIUS: Operating radius is the horizontal distance from the axis of rotation to the center of gravity of the freely suspended load. Boom angle is the angle above true horizontal of a line drawn through the boom hinge pin centerline and the upper boom point shaft centerline.
MACHINE EQUIPMENT: Machine equipped with 20'4" crawlers, $38^{\prime \prime}$ or $48^{\prime \prime}$ treads, $15^{\prime}$ retractable gantry, 10 or 12 part boom hoist reeving, two $11 / 2^{\prime \prime}$ boom pendants or $15 / 8^{\prime \prime}$ boom pendants, 1 st ctwt. $=32.000 \mathrm{lbs} ., 2 \mathrm{nd} \mathrm{ctwt} .=26,500 \mathrm{lbs}$.

CAUTION: FAIRLEAD EXTENSION LIMITS ALL LIFT CAPACITIES AT SHORTER RADII TO 20,000 LBS.


## DRUM AND LAGGING CHART 3900A <br> 3900B-3900vicon

## SPLIT DRUM SHAFT-3900A

| APPLICATION | DRUM | PART NUMBER | DIA. | WIDT | TYPE OF DRUM OR LAGGING | WIRE ROPE SIZE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LIFTCRANE |  |  |  | - |  |  |
| Hoist | Right | 31910 | 17-1/2' | 14.3/8 ${ }^{\prime \prime}$ | Bore Drum | $1 "$ |
| Whip | Left | 31082 | 21" | 14-3/8' | Plain | 1' |
| Auxiliory | Reor | 48211 | 17'' | 34-15/16 ${ }^{\prime \prime}$ | Ploin | 7/8' |
| Whip (OPIIONAL) | Left | 31668 |  | 14-3/8 | Plain | $1 "$ |
| CLAMSHELL |  |  |  |  |  |  |
| Closing | Right | 31085 | 25" | 14.3/8' | Grooved | 1-1/8' |
| Holding | Left | - 31878 |  | $14.3 / 8^{\prime \prime}$ | Grooved | $1{ }^{\prime \prime}$ |
| DRAGLINE |  |  |  |  |  |  |
| Drag | Right | 31083 | 22' | 14-3/8' | Grooved | 1.1/8' |
| Hoist |  | 31086 | 27" | $14-3 / 8^{\prime \prime}$ | Grooved | 7/8' |

*Drum Width - 10-1/4" When Equipped With Power Lowering
"*Drum Width - 32-9/16" When Equipped With Ratchet Ring

## SPLIT DRUM SHAFT - EQUAL WIDTH DRUMS - 3900B-3900 VICON


"Drum Width - 32-9/16" When Equipped With Ratchet Ring

## DRUM AND LAGGING CHART

 3900B-3900vicon
## SPLIT DRUM SHAFT - UNEQUAL WIDTH DRUMS


"Drum Width - 32-9/16" When Equipped With Ratchet Ring

## SPLIT DRUM SHAFT EQUIPPED WITH POWER LOWERING

| APPLICATION | DRUM | PART NUMBER | DIA. | WIDTH | TVPE OF DRUM OR LAGGING | WIRE ROPE SIZE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LIFTCRANE |  |  |  |  |  |  |
| Hoist | Right | 32262 | 19" | 16.8' | Bare Drum | 1" |
| $\cdots$ Whip | Left | 31082 | 21" | 14.3/8' | Plain | 1" |
| Auxiliary | Rear Aux. | 48211 | 17" | 34.15/16" ${ }^{\text {* }}$ | Ploin | 1 " |
| CLAMSHELL NON-VICON |  |  |  |  |  |  |
| Closing | Right | 32637 | 26" | 16.8" | Grooved | '" |
| Holding | Left | 31878 | 27" | 14.3/8' | Grooved | 1" |
| DRAGUNE REVOLVING |  |  |  |  |  |  |
| FAIRLEAD |  |  |  |  |  |  |
| Drag | Right | 32636 | $24^{\prime \prime}$ | 16.8' | Grooved | 1.1/4" |
| Hoist | Left | 31878 | 27" | 14.3/8" | Grooved | 1" |

*Drum Width - 32.9/16" When Equipped With Katchet King

