



MANITOWOC 4100W BASIC SPECIFICATIONS
TO BE USED WITH TOWER ATTACHMENT S/N
1ST OPERATION - LIFTCRANE

TYPE: LIFTCRANE X DRAGLINE CLAMSHELL
MODEL: 4100W SERIES 1
S.O. NUMBER: 4119
SERIAL NO: 419057
DISTRIBUTOR: MANITOWOC FORSYTHE
BUYER: LAQUILA INDUSTRIES INC -BROOKLYN NY
SHIP TO: LAQUILA INDUSTRIES - BROOKLYN NY
DATE ISSUED: 2-17-94 DATE SHIPPED: 4-4-94
PAINTING: LETTERING:
DOMESTIC
ROUTE:

MACHINE DATA

	HOIST	SWING
ENGINE DRIVE SPROCKET:	92124-2 29T	92053-2 21T
DRIVEN SPROCKET:	33040-2 145T	92052-2 74T
TRANSMISSION CHAIN:	1"P 4-STR 198P(#335216)	1"P 3-STR 160P(#335215)
TRANSMISSION RATIO:		
ENGINE SHAFT:	24446-2 41T	24447-2 37T
CONVERTER:	24446-2 41T	24446-2 41T
CHAIN:	3/4"P 6-STR 90P(#335083)	3/4"P 6-STR 84P(#335092)

DRUMS	LAGGING	WEDGE	ROPE SIZE
SINGLE FRONT: 180533-2	48935-4	15836-2	1-1/8"
SINGLE REAR: 180533-2	48935-4 PLAIN LIFT	15836-2	1-1/8"
BOOM HOIST: 182834-4	502307-0 GR 7/8"	77698-2	7/8"
182835-4	502307-0 GR 7/8"	77698-2	7/8"

CRAWLER: LENGTH-26 FT 6 IN (#48384) TREAD-48" (#40246)

DRIVE CHAIN: 5-1/2"P 1-STR 62P (#335217)

COUNTERWEIGHT: 49487	TOTAL WEIGHT: 122,400#		
	BOX	FILL	TOTAL
INSIDE: 190744-2	4,650#	37,250#	41,900#
CENTER: 49484-2	3,850#	37,650#	41,500#
OUTSIDE: 190745-2	3,450#	35,550#	39,000#
RIGHT SIDE:			
LEFT SIDE:			
CARBODY:			

POWER PLANT DATA:

ENGINE: CUMMINS NTA 855-360	SERIAL NUMBER: 11719810
TORQUE CONVERTER YES X NO	
ELECTRIC STARTING YES X NO	
GOVERNOR CONTROL YES X NO	
GOVERNED SPEED RPM-LOW IDLE	HIGH IDLE O.S. GOV SPEED STALL
FAN SUCTION X BLOWER X	



BOOM DATA

RIGGING ASSEMBLY #190693

BOOM TYPE #22C

BOOM LENGTH: 240. FT

SECTION	PART #	LENGTH	PENDANT	LENGTH
BUTT:	48705-4	30 FT		
TOP:	65773-2	40 FT	(4) 276963	40' - 9 3/4" BASIC
INSERT:	(1) 33407-3	10 FT	(4) 276861	10' INSERT
INSERT:	(1) 33426-3	20 FT	(8) 276862	20' INSERT
INSERT:	(1) 623580-0	20 FT		
INSERT:	(1) 623526-0	40 FT	(12) 276863	40' INSERT
INSERT:	(1) 623545-0	40 FT		
INSERT:	(1) 623535-0	40 FT		

JIB DATA

RIGGING ASSEMBLY

JIB TYPE

JIB LENGTH

SECTION	PART #	LENGTH	PENDANT	LENGTH
BUTT:				
TOP:				
INSERT:				
STRUT:				
JIB STOP PENDANT:				
JIB STOP PENDANT:				
BACKSTAY PENDANT:				
BACKSTAY PENDANT:				

GANTRY: 190273-2 17 FT

WIRE ROPE PER CUSTOMER SPECIFICATIONS

LIFT LOAD LINE:
LIFT WHIP LINE:
CLAM CLOSING:
CLAM HOLDING:
DRAG LINE:
DRAG HOLDING:
AUXILIARY DRUM:
BOOM HOIST: 760' - 7/8" - 6X26 ALT LAY WS EEIPS IWRC - #719283

CAPACITY CHARTS

LIFT CRANE CAPACITIES: 6950-A
CLAMSHELL CAPACITIES:
DRAGLINE CAPACITIES:
JIB CAPACITIES:
OPERATING RANGE DIAGRAM:
RANGE DIAGRAM:
LOAD LINE SPECIFICATIONS: 5345
DRUM & LAGGING CHART: 6105
BARGE LIFT CHART:
BARGE CLAM CHART:
BARGE DRAG CHART: