

MANITOWOC ENGINEERING COMPANY
Shop Order Text For Serial No

MANITOWOC 4100W BASIC SPECIFICATIONS

TYPE: LIFTCRANE X DRAGLINE CLAMSHELL
MODEL: 4100W SERIES 1
S.O. NUMBER:
SERIAL NO:
DISTRIBUTOR:
BUYER:
SHIP TO:
DATE SHIPPED:

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:	175666-2 41T	175667-2 37T
CONVERTER:	175666-2 41T	175666-2 41T
CHAIN:	3/4"P 6-STR 90P(#335083)	3/4"P 6-STR 84P(#335092)

DRUMS	LAGGING	WEDGE	ROPE SIZE
SINGLE FRONT: 180533-9	BARE	15836-2	1-1/8"
SINGLE REAR: 180533-9	48935-4 PLAIN LIFT	15836-2	1-1/8"
BOOM HOIST: 182834-9	502307-0 GR 7/8"	77698-2	7/8"
182835-9	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#
INSIDE: 190744-9 BOX 4,650# FILL 37,250# TOTAL 41,900#
CENTER: 49484-9 BOX 3,850# FILL 37,650# TOTAL 41,500#
OUTSIDE: 190745-9 BOX 3,450# FILL 35,550# TOTAL 39,000#
RIGHT SIDE:
LEFT SIDE:
CARBODY:

POWER PLANT DATA:

ENGINE: CUMMINS N14-C360 SERIAL NUMBER: 11859451
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

S.O. 4132

BOOM DATA

RIGGING ASSEMBLY #190693 BOOM TYPE #22C BOOM LENGTH: 180 FT

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

*PER DRWG 33426
**PER DRWG 50609

JIB DATA

RIGGING ASSEMBLY	JIB TYPE	JIB LENGTH	FT	
SECTION	PART #	LENGTH	PENDANT	LENGTH
BUTT:				
TOP:				
INSERT:				
STRUT:				
JIB STOP PENDANT:				
JIB STOP PENDANT:				
BACKSTAY PENDANT:				
BACKSTAY PENDANT:				
COUNTERWEIGHT HANDLING PENDANTS:		(2) 276891-0		12' - 2"
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

LIFTCRANE CAPACITIES: 6950-A
CLAMSHELL CAPACITIES:
DRAGLINE CAPACITIES:
JIB CAPACITIES:
OPERATING RANGE DIAGRAM:
RANGE DIAGRAM: 50807
LOAD LINE SPECIFICATIONS: 5345
DRUM & LAGGING CHART: 6105
BARGE LIFT CHART:
BARGE CLAM CHART:
BARGE DRAG CHART: