

MANITOWOC ENGINEERING CO.

Division of The Manitowoc Company, Inc. Manitowoc, Wisconsin 54220



WIRE ROPE SPECIFICATIONS 6000 SERIES 2

LIFT CRANE - BOOM NO. 66-64A OR NO. 66T-64AT
WITH TOP INLINE OR OFFSET 4-1/2 DEGREES

BOOM OR BOOM AND JIB LENGTH		WHIP LINE REAR DRUM								HOIST LINE FRONT DRUM		MAXIMUM REQUIRED PARTS OF LINE	
		1 PART		2 PART		3 PART		4 PART					
FT.	METERS	FT.	METERS	FT.	METERS	FT.	METERS	FT.	METERS	FT.	METERS	IN LINE	OFF SET
100	30.5	360	110							1950	594	16	
125	38.1	410	125							2350	716	16	13
150	45.7	460	140							2500	762	14	12
175	53.3	510	155							2650	808	13	12
190	57.9	540	165	740	226	940	287	1140	347	----	----	--	--
200	61.0	560	171	----	----	----	----	----	----	2800	853	12	11
210	64.0	580	177	800	244	1020	311	1240	378	----	----	--	--
215	65.5	590	180	815	248	1040	317	1265	386	----	----	--	--
225	68.6	610	186	----	----	----	----	----	----	2900	884	11	10
230	70.1	620	189	860	262	1100	335	----	----	----	----	--	--
235	71.6	630	192	875	267	1120	341	1365	416	----	----	--	--
240	73.2	640	195	890	271	1140	347	1390	424	----	----	--	--
250	76.2	660	201	920	280	1180	360	----	----	2950	899	10	9
255	77.7	670	204	935	285	1200	366	----	----	----	----	--	--
260	79.2	680	207	950	290	1220	372	1490	454	----	----	--	--
265	80.8	690	210	965	294	1240	378	1515	462	----	----	--	--
275	83.8	710	216	995	303	1280	390	----	----	2950	899	9	8
280	85.3	720	219	1010	308	1300	396	----	----	----	----	--	--
285	86.9	730	223	1025	312	1320	402	1615	492	----	----	--	--
290	88.4	740	226	1040	317	1340	408	1640	500	----	----	--	--
300	91.4	760	232	1070	326	1380	421	----	----	2950	899	8	8
305	93.0	770	235	1085	331	1400	427	----	----	----	----	--	--
310	94.5	780	238	1100	335	1420	433	1740	530	----	----	--	--
315	96.0	790	241	1115	340	1440	439	1765	538	----	----	--	--
325	99.1	810	247	1145	349	1480	451	----	----	2950	899	7	7
330	100.6	820	250	1160	354	1500	457	----	----	----	----	--	--
335	102.1	830	253	1175	358	1520	463	1865	568	----	----	--	--
340	103.6	840	256	1190	363	1540	469	1890	576	----	----	--	--
350	106.7	860	262	1220	372	1580	482	----	----	2950	899	6	6
355	108.2	870	265	1235	376	1600	488	----	----	----	----	--	--
360	109.7	880	268	1250	381	1620	494	1990	607	----	----	--	--
365	111.3	890	271	1265	386	1640	500	2015	614	----	----	--	--
375	114.3	910	277	1295	395	1680	512	----	----	2950	899	6	5
380	115.8	920	280	1310	399	1700	518	----	----	----	----	--	--
385	117.3	930	283	1325	404	1720	524	2115	645	----	----	--	--
390	118.9	940	287	1340	408	1740	530	2140	652	----	----	--	--
400	121.9	960	293	1370	418	1780	543	----	----	----	----	--	--
405	123.4	970	296	1385	422	1800	549	----	----	----	----	--	--
410	125.0	980	299	1400	427	1820	555	2240	683	----	----	--	--
425	129.5	1010	308	1445	440	1880	573	----	----	----	----	--	--

HOIST REEVING FOR MAIN LOAD BLOCK								
NO. PARTS OF LINE	1	2	3	4	5	6	7	8
MAXIMUM LOAD-LBS.	48,000	96,000	144,000	192,000	240,000	288,000	336,000	384,000
MAXIMUM LOAD-KG	21,770	43,540	65,310	87,080	108,860	130,630	152,400	174,170
NO. PARTS OF LINE	9	10	11	12	13	14	15	16
MAXIMUM LOAD-LBS.	432,000	480,000	528,000	576,000	624,000	672,000	720,000	800,000
MAXIMUM LOAD-KG	195,950	217,720	239,490	261,260	283,040	304,810	326,580	362,870

HOIST LINE: 1-3/8" (34.9MM) - 6 X 43 FILLER WIRE SEALE, EXTRA IMPROVED PLOW STEEL, REGULAR LAY, IWRC.
MINIMUM BREAKING STRENGTH 192,000 LBS. (87,080KG).
APPROX. WEIGHT = 3.50 LBS. PER FT. (5.21KG PER M).

WHIP LINE: 1-3/8" (34.9MM) - 6 X 43 FILLER WIRE SEALE, EXTRA IMPROVED PLOW STEEL, REGULAR LAY, IWRC.
MINIMUM BREAKING STRENGTH 192,000 LBS. (87,080KG).
MAXIMUM LOAD = 48,000 LBS. (21,770KG) PER LINE.
APPROX. WEIGHT = 3.50 LBS. PER FT. (5.21KG PER M).

NOTE: HOIST LINE AND WHIP LINE LENGTHS GIVEN IN TABLE WILL ALLOW BLOCK TRAVEL DOWN TO LEVEL OF ROLLER PATH. WHEN BLOCK TRAVEL BELOW ROLLER PATH IS REQUIRED, ADD ADDITIONAL ROPE EQUAL TO PARTS OF LINE TIMES ADDED TRAVEL DISTANCE. HOISTING DISTANCE OR LINE PULL MAY BE LIMITED WHEN BLOCK TRAVEL BELOW ROLLER PATH IS REQUIRED.

REFER TO DRUM AND LAGGING CHART NO. 6112-A.

CHART NO. 7435-A, 8-27-86/GA