

CRANE SPECIFICATIONS

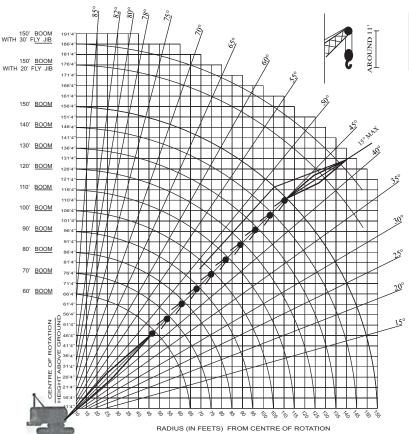
1055B-LC

TATA MODEL 1055B LC-100 TON-CRANE CLASS 15-530

HEAVY DUTY ANGULAR BOOM
RATED CRANE LOADS IN LBS.(Kg)- Main Boom

RATED CRANE LOADS IN LBS.(Kg)- Main Boom																														
		60'-0'	" BOOM		70'-0"	'BOOM		80'-0"	BOOM		90'-0"	BOOM		100'-0"	BOOM		110'-0"	BOOM		120'-0'	' BOOM		130'-0"	' BOOM		140'-0"	BOOM		150'-0"	BOOM
OPERATING	Ш		m.BOOM)	ш	(21.34		ш	(18.29r		ш	(18.29		ш	(30.48		ш	(33.53		ш	(36.58)			(39.62		ш	(42.67		ш	(45.72	
RADIUS	쁘	BOOM	1	ш	BOOM			BOOM			BOOM			BOOM			BOOM			BOOM		ا ت	BOOM			BOOM		1	BOOM	
	ANGLE	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGLE	PT.EL.	RATING	ANGL	PT.EL.	RATING	ANGL	PT.EL.	RATING
FEET	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND	⋖	FEET	POUND
(METRE)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)		(METRE)	(Kg.)
15	80	67'-2°	200000																											
(4.57)	00	[20.47]	(90720)																											
20 (6.10)	75	66'-1"	139140	77	76'-5" (23.29)	133000	79	86'-8" (26.42)	132700 (60190)	80	96'-10"	132400																		
25		[20.14]	, ,		` '	(60330)		, ,	. ,		, ,	(60060)		400101	05000		440101	05000												
(7.62)	70	64'-6" (19.66)	100800 (45720)	73	75'-0" (22.86)	100300 (45490)	75	85'-5" (26.04)	98180 (44540)	77	95'-10"	96000 (43540)	78	106'-0" (32.30)	95600 (43360)	79	116'-2" (35.41)	95200 (43180)												
30		62'-5"	78510		73'-4"	78000		83'-11"	77660		94'-5"	77160		104'-10"	74600		115'-1"	74250		125'-5"	74000									
(9.14)	65	[19.02]	(35610)	69	(22.35)	(35380)	/1	(25.58)	(35230)	73	(28.78)	(35000)	75	(31.95)	(33840)	//	(35.08)	(33680)	78	(38.23)	(33570)									
35	50	59'-9"	63940	C/	71'-2"	63430	60	82'-0"	63080	70	92'-9"	62580	70	103'-4"	62240	7/	113'-10"	60400	75	124'-2"	60000	76	134'-6"	59500	77	144'-9"	59400			
(10.67)	09	(18.21)	(39000)	64	(21.69)	[28770]	68	(24.99)	(28610)	70	(28.27)	(28380)	12	(31.50)	(28230)	74	[34.70]	[27400]	75	(37.85)	(27220)	76	(41.00)	(26990)	11	[44.12]	(26940)			
40	54	57'-5" (17.50)	53670	59	68'-5" (20.85)	53150	64	79'-10" (24.33)	52800	67	90'-10" (27.69)	52300	69	101'-7" (30.96)	51950	71	112'-3" (34.21)	51460	73	122'-9" (37.41)	50700	74	133'-3"	50200	75	143'-7" (43.76)	50000	76	153'-2"	44600
(12.19)	01		(24340)	00		(24110)	01		[23950]	01		[23720]	00	-	(23570)	- ' '		[23340]	,,,		[23000]		[40.61]	[22770]	,,,		[22680]	, ,	(46.68) 151'-9"	(20230)
45 (13.72)	47	52'-3" (15.93)	46040 (20880)	55	65'-2" (19.86)	45520 (20650)	60	77'-1" (23.49)	45170 (20490)	63	(26.97)	44660 (20260)	66	99'-6"	44310 (20100)	68	110'-5" (33.65)	43810 (19870)	70	121'-1" (36.91)	(19720)	72	131'-7" [40.11]	42980 (19490)	73	142'-1" [43.31]	42640 (19340)	74	[46.25]	40000 (18140)
50		47'-0"	40150		61-2"	39630		73'-10"	39270		85'-9"	38760		97'-1"	38420		108'-3"	37910		119'-2"	37570		129'-11"	37070		140'-6"	36730		150'-3"	34500
(15.24)	41	[14.32]	(18210)	49	[18.64]	(17970)	55	(22.50)	[17810]	60	(26.14)	[17580]	63	(29.60)	[17430]	66	(32.99)	[17200]	68	(36.32)	[17040]	69	(39.60)	(16810)	71	[42.82]	(16660)	72	[45.80]	(15650)
55	00	40'-3"	35460	4.4	56'-5"	34940	F 4	70'-1"	34580		82'-7"	34070	00	94'-8"	33720	00	105'-9"	33220	0.5	117'-1"	32380	0.7	127'-11"	32370	00	138'-9"	32030	70	148'-9"	30400
(16.76)	33	[12.27]	(16080)	44	[17.19]	(15850)	51	(21.36)	[15690]	56	(25.17)	[15450]	60	(28.85)	[15300]	63	[32.23]	[15070]	65	(35.69)	[14910]	67	(38.99)	[14680]	69	[42.29]	[14530]	70	[45.34]	(13790)
60	22	30'-3"	31640	37	50'-6"	31120	46	65'-7"	30760	52	77'-11"	30250	56	91'-3"	29900	60	103'-1"	29400	62	114'-6"	29050	65	125'-8"	28550	67	136'-8"	28210	68	146'-9"	27000
(18.29)	~~	(9.22)	(14350)	01	[15.39]	[14120]	40	(19.99)	(13950)	52	(23.75)	[13720]	30	(27.81)	(13560)	00	[31.42]	[13330]	02	(34.90)	(13180)	00	(38.30)	(12950)	01	(41.66)	(12790)	00	[44.73]	(12250)
65 (19.81)				30	43'-0" [13.11]	27950 (12680)	41	60'-3" (18.36)	27590 (12570)	48	74'-7° (22.73)	27080 (12280)	53	87'-9" (26.75)	26730 (12120)	57	99'-11" (30.45)	26220 (11890)	60	111'-9"	25880 (11740)	62	123'-2" [37.54]	25370 (11510)	64	134'-4" [40.94]	25030 (11350)	66	144'-8" (44.09)	24000 (10890)
70					· /	, ,		53'-9"	24920		69'-7"	, ,		83'-6"	24060		96'-5"			· /	, ,			, ,	-		, ,		142'-7"	21700
(21.34)				20	(9.83)	25280 (11470)	35	(16.38)	(11300)	43	(21.20)	24410 (11070)	49	(25.45)	(10910)	53	[29.39]	23550	57	108'-7"	23200 (10520)	60	120'-4" (36.69)	22700 (10290)	62	131'-10" (40.18)	22350 (10140)	64	[43.46]	(9840)
80					,	,		33'-11"	20660		56'-10"	20140		73'-5"	19790	47	88'-0"	19280		101'-5"	18930		113'-10"	18430		125'-11"	18080	00	137'-8"	17580
(24.38)							19	[10.34]	(9370)	33	[17.32]	(9140)	41	(22.38)	8980	47	(26.82)	(8750)	51	(30.91)	8590	54	[34.70]	(8360)	57	(38.38)	(8200)	60	[41.96]	(7970)
90										18	35'-7"	16890	31	59'-7"	16540	39	77'-1"	16030	45	92'-3"	15680	49	105'-11"	15170	52	112'-6"	14830	55	130'-9"	14320
(27.43)										10	(10.85)	[7660]	J1	(18.16)	(7500)	UÜ	(23.50)	[7270]	40	[28.12]	[7110]	40	(32.28)	(6880)	JZ	[34.29]	(6730)	JJ	[39.85]	(6500)
100 (30,48)													17	37'-0"	13900	30	62'-4" (19.00)	13470	37	80'-7"	13130 (5950)	43	96'-1" (29.29)	12620	47	105'-0" (32.00)	12270 (5570)	51	124'-4" (37.90)	11760 (5340)
110													-	(11.28)	(6340)		, ,	(6110)		(24.56)	, ,		, ,	(5720)		, ,	` '		, ,	` '
(33.53)																16	38'-6" (11.73)	11410 (5180)	28	64'-10" [19.76]	11060 (5020)	36	83'-10" (25.55)	10550 (4790)	41	99'-10" (30.43)	10200 (4630)	45	113'-9" [34.37]	9700 (4400)
120																	(, 0)	(2.00)		39'-10"	9360		67'-3"	8850		86'-11"	8500		140'-4"	7990
(36.58)																			16	[12.14]	(4240)	27	(20.50)	(4010)	34	(76.49)	(3860)	40	(31.80)	(3620)
130																						15	41'-1"	7420	26	69'-8"	7070	22	89'-4"	6360
(39.62)																						15	(12.52)	(3370)	26	[21.23]	(3210)	33	[27.23]	(2890)
140																									14	42'-6*	5860	26	73'-2*	4600
(42.67)																										[12.95]	(2660)		[22.30]	(2090)

NOTE: OPERATING RADIUS IS HORIZONTAL DISTANCE FROM THE CENTRE LINE OF ROTATION TO A VERTICAL LINE THROUGH THE GRAVITY CENTRE OF THE LOAD CAPACITIES SHOWN ARE NOT MORE THAN 75% OF THE TIPPING LOADS WITH MACHINE STANDING ON A FIRM, LEVEL, UNIFORMLY SUPPORTING SURFACE. THE CRANE RATINGS INCLUDE WEIGHT OF HOOK, BLOCKS, SLINGS & OTHER LOAD HANDLING ACCESSORIES. MACHINES EQUIPPED WITH FOLDING GANTRY MUST NOT BE USED FOR LIFTING OPERATIONS WITH GANTRY IN LOWERED POSITION ANACHINE WITH BASIC LENGTH BOOM MAY BE TRANSPORTED OR CRAWLED WITH GANTRY IN LOWERED POSITION. STANDARD BOOM HOIST REEVING FOR CRANE AND CLAMSHELL: 8 PARTS OF THE LINE FOR BOOM LENGTHS UP THRU 70 FT. (21.34m), 10 PARTS OF THE LINE FOR BOOM LENGTHS 80 FT. (24.38m) & OVER. STANDARD BOOM HOIST REEVING FOR DRAGLINE: 8 PARTS OF THE LINE FOR ALL BOOM LENGTHS CENTRE HITCH REQUIRED FOR BOOM LENGTHS 80 FT. (24.38m) & OVER.



HOIST REEVING										
NO OF PARTS OF LINE	1	2	4	6	8					
			100000 Lbs 45360 Kg.		200000 Lbs 90720 Kg.					

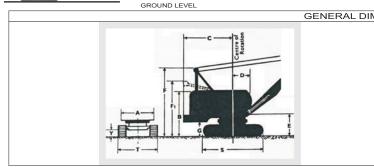
JIB CRANE RATING AT ANY RADIUS FROM THE CENTRE OF ROTATION IS SAME AS CRANE RATING SHOWN IN TABLE FOR MAIN BOOM WHEN OPERATED AT THAT RADIUS BUT NOT TO EXCEED MAXIMUM JIB RATINGS SHOWN. FOR BUCKET RATINGS ON JIB DEDUCT 20% FROM JIB RATINGS. MAXIMUM JIB OPERATINGS RADIUS NOT TO EXCEED LENGTH OF MAIN

WEIGHT OF LOAD HANDLING	ACCESSORIES
SINGLE SHEAVE HOOK BLOCK	575 Lbs 260 Kg.
FOUR SHEAVE HOOK BLOCK	2875 Lbs 1305 Kg.
SLINGS	200 Lbs Approx (80 Kg. Approx.)
CLAMSHELL/DRAGLINE BUCKET	DEPENDS ON SIZE & MAKE

EXCEED LENGTH OF MAIN BOOM IS EQUIPPED WITH JIB MAIN HOOK RATINGS SHOULD BE REDUCED BY 1500 Lbs. (680Kgs.). FOR 20 FT. JIB (6.10m) JIB, 2000Lbs. (905Kg.) FOR 30 FT. (9.14m) JIB.

	MAXIMUM JIB RATINGS						
OFFSET ANGLE JIB TO BOOM UNDER FULL LOAD	20 FT. JIB (6.10m JIB) POUND (Kg.)	30 FT. JIB (9.14m JIB) POUND (Kg.)					
5°	16000 (7255)	15000 (6805)					
10°	15500 (7030)	14500 (6575)					
15°	15000 (6805)	14000 (6350)					

BACK STOPS RECOMMENDED FOR ALL BOOM LENGTHS. AT RADII OR BOOM LENGTHS WHERE NO RATINGS ARE SHOWN ON CHART, OPERATION IS NOT TENDERED OR APPROVED. RATINGS ARE BASED UPON FRELLY SUSPENDED LOADS & MACHINE STANDING ON FIRM, LEVEL UNIFORMLY SUPPORTED SURFACE. SAFE LOADS DEPEND UPON GROUND CONDITIONS, BOOM LENGTHS, RADIUS OF OPERATION AND PROPER HANDLING, ALL OF WHICH MUST BE TAKEN IN TO ACCOUNT BY THE USER. RATINGS ARE CONTINGENT UPON MACHINE BEING EQUIPPED WITH PROPER BOOM.



MENSIONS	
A - Width of Cab	10'10"
B - Height of top of Cab. C - Radius of rear end	13'00"
C - Radius of rear end	16'07"
D - Centre of rotation to boom to foot pin	04'07"
E - Height from ground to boom foot pin	07'00"
F - Clearance Height over fixed or folding	
Gantries (working position)	21'06"
F ₁ -Clearance height over high gantry -folded	
G - Counterweight ground clearance	04'00"
S - Overall length of crawlers	21'00"
Centre to centre of sprockets	18'00"
T - Overall width of crawlers with 42"Shoes	15'02"
Y - Ground clearance of carbody (lowest point)	14'00"

NOTE: OPERATION OF THIS EQUIPMENT IN EXCESS OF RATED LOADS AND DISREGARD OF INSTRUCTIONS VOIDS WARRANTY.

Data published herein is statistical and for information only. Performance may vary with the conditions encountered Manufactured and sold in conformance with US Department of Commercial Standard CS-90-58 TELCO reserves the right to make changes in specifications without any advance notice

