

Operating:	9.14 m boom*		12.19 m boom		15.24 m boom		18.29 m boom		21.34 m boom		24,38 m boom		27.43 m boom	
radius m.	Over side	Over	Over side	Ower	Over side	Over	Over	Over	Over side	Over end	Over side	Over	Over side	Over
3.05	18145	18145		2	2222	7222	92.2	Valla:	2	100000	Name of the last	Secretary 1		1177
3.66	13925	18145	13880	18010			Tamer				Terror			******
4.57	9935	13425	9690	13335	9800	13290	*****			19000	120001	(married)	- distant	
6.1	6670	8665	6575	8575	6530	8525	6440	8435	6395	8390	6305	8355	Delite:	×1110
7.62	4945	6305	4855	6215	4810	6170	4715	6125	4670	6035	4580	5985	4535	567
9.14	4015	4945	3945	4855	3900	4810	3810	4715	3765	4670	3675	4580	3630	453
10.67	2000	1000	3200	4060	3150	4015	3060	3945	3015	3880	2950	3810	2880	374
12.19			2695	3380	2610	3335	2540	3245	2470	3200	2405	3130	2335	306
13.72	30000	Sereno	Cremen	leres.	2225	2835	2130	2745	2085	2700	1995	2610	1950	245
15.24				1905	2425	1835	2360	1770	2290	1700	2225	1635	199	
18.29	When boom is equipped with jib, main hook rating must be reduced by 445 kgs. to compensate for jib attachment weight.		And the second		1385	1790	1315	1745	1245	1655	1180	152		
21.34			07071	1000	grees		1000	1360	930	1270	860	122		
24.36					See	Nove .		i and	2000	200	705	1000	635	93

## Notes:

Backstops recommended for all boom lengths. At radii and boom lengths where no ratings are shown on plate, operation is not intended or approved. Ratings are based upon freely suspended loads and machine standing on firm, level, uniformly supporting surface. Safe loads depend upon ground conditions, boom length, radius of operation, and proper handling, all of which must be taken into account by the user.

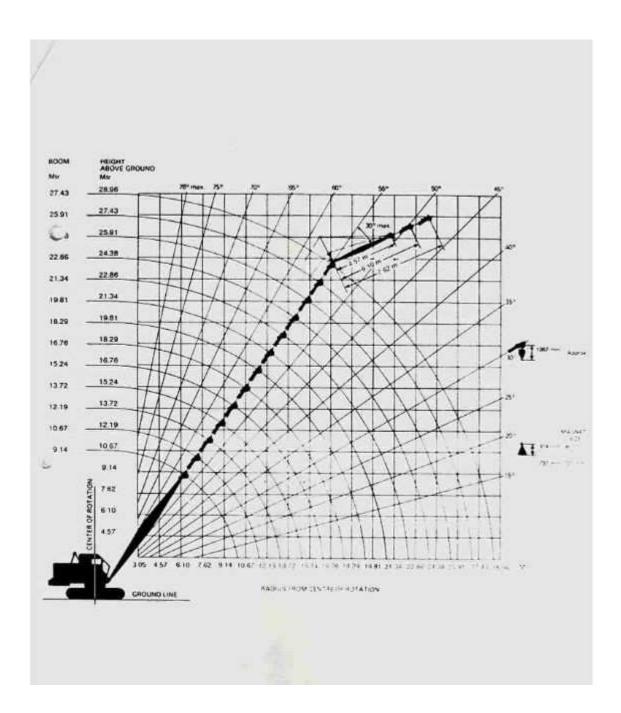
Operating radius is horizontal distance from the centreline of rotation to a vertical line through the gravity centre of the load. Capacities shown are with 5445 kgs. counterweight and do not exceed 75% of tipping loads. The crane ratings include weight of hook block, slings and all other load handling accessories. Deduct 454 kgs. from main hook rating when boom is equipped with jib. Locate jib backstay anchor to bottom of boom base section for all boom lengths.

Many superior features of TATA 320 make it an automatic choice of many customers in India and Abroad.

The features also include

- Pranetary load lowering
  - Hydraulic controls
- Simultaneous swing and propel
  4 speed transmission
- Pawl and ratchet mechanism

Heavy duty boom is available for basic (9:14 m) length for special applications like ship breaking and granite handling.
 The capacity remains the same as the standard boom.





.....18145 kg at 3.05 m operating radius .....9.14 m Basic Boom Length .....

(in two sections)

Boom Upper .... 4.57 m Boom Lower .... 4.57 m

Operating Weight... ....21775 kg

(Equipped with 18145 kg capacity hook and 5445 kg counter weight)

1.5 m Optional 3.0 m Optional 6.0 m Optional Boom Inserts .....

Boom: Angle lattice alloy steel construction.

Basic length (open throat and bolt connected in two equal

2 offset boom point sheaves on bronze sleeve bearings a cottom diameter 406 mm, 8 part boom hoist reeving (standard)

Hook block: .... 18145 kgs. 2 sheave with swivel hook for 4 part hoist line (standard)

Power controlled load lowering: Planetary device for lowering load under power (standard for crane)



JIB

Angle lattice alloy steel construction, Three jib lengths are available (optional).

4.57 m ..... 6.10 m 7.62 m



## **OPTIONAL EQUIPMENT**

- Jib assembly with R H Drum
- Auto Light combination
- H. D. Boom (30' Max) for Granite and other applications R. H. Drum
- Cable guard single / double roller

MAXIMUM JIB RATINGS				
Offset angle jib to boom under full load	4.57 m	6.10 m jib	7.62 m jib kgs.	
	Ngs.	hgs.		
10* 20* 30* (max)	4535 3630 3175	3650 3150 2270	3150 2495 2040	

Jib ratings at any radius from centre of rotation are the same as crane ratings shown in table for main boom when operated at the radius, but should not exceed maximum jib ratings shown. Maximum jib operating radius not to exceed length of main boom on which it is being used.

74	DRUM :	SHAFT ASSEA	MELY	
" Litting crane drums pech dia	Cable dia.	Max cable capacity	* Line pulls	* Line speeds
L.H. 352 mm R.H. 352 mm	16 mm 18 mm	165.51 m 155.14 m		50.1 m/min 50.1 m/min

Line pulls and line speeds based on single line in normal operating (2nd) gear. To lit job requirements, line pull & line speed can be varied by shifting into other gears

<sup>&</sup>quot; L.H. smooth drain with planetary towering device, R.H. grooved drain,

HOIST REEWING						
No, of parts of line	1	2	3			
Max. load - kgs.	4535	9070	13610	18145		

GROUND PRESSURES				
Shoe width	810 mm	762 mm		
Ground pressure	0.52 kg/sq. cm.	0.43 kg/sq. cm		

MAXIMUM BOOM LENGTHS MACHINE CAN LIFT OFF GROUND				
	Boom over side	Boom over end		
Boom only	27 (3 m	27.43 m		
Boom & Jib	27 45 - 4 10	27,43 + 7.62		

## BASIC SPECIFICATIONS

