

TOA TC-304HAL

MINI SPIDER CRANE – TRACK MOUNTED

2.9 t
MAX RATED CAPACITY

⚠ FOR REFERENCE ONLY – ALWAYS CONSULT THE OPERATOR'S MANUAL AND A QUALIFIED RIGGER BEFORE ANY LIFT OPERATION

Machine Specifications

MAX SWL 2,900 kg	BOOM SECTIONS 4 stages	MAX BOOM LENGTH 9.7 m	MAX WORKING RADIUS 9.2 m	BOOM ANGLE RANGE 0° – 75°
DRIVE SYSTEM Crawler tracks				

Boom Configurations

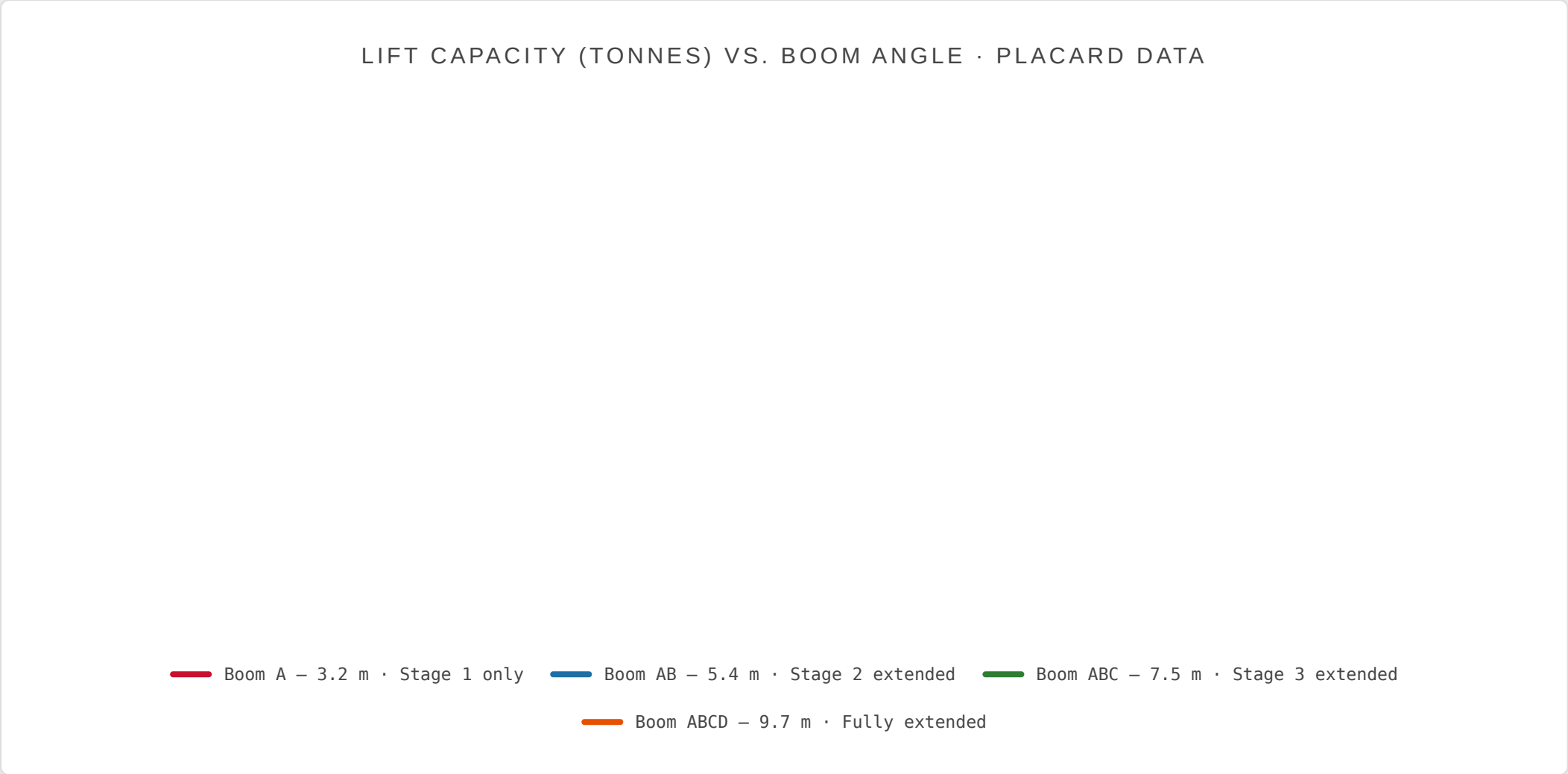
Boom A & AB 3.2 m – 5.4 m boom length Short config — best for heavy lifts at close range. Max SWL 2,900 kg achievable at 2.0–3.0 m radius. Radius range: 2.0 m → 4.9 m	Boom ABC 7.5 m boom length Intermediate config. Balances reach and capacity. Max SWL 2,300 kg @ 3.0 m radius. Radius range: 3.0 m → 7.0 m	Boom ABCD 9.7 m boom length – full extension Maximum reach. Approx. 10.7 m vertical lift height. Max SWL 1,100 kg @ 3.0 m radius. Radius range: 3.0 m → 9.2 m
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Safe Working Load — By Working Radius

WORKING RADIUS	BOOM A / AB 3.2 M OR 5.4 M • HEAVY LIFT	BOOM ABC 7.5 M • INTERMEDIATE	BOOM ABCD 9.7 M • FULL EXTENSION
2.0 – 3.0 m	2,900 kg	—	—
3.0 m	2,900 kg	2,300 kg	1,100 kg
4.0 m	1,400 kg	—	—
4.9 m	1,050 kg	—	—
5.0 m	—	1,000 kg	—
6.0 m	—	—	740 kg
7.0 m	—	520 kg	—

WORKING RADIUS	BOOM A / AB 3.2 M OR 5.4 M · HEAVY LIFT	BOOM ABC 7.5 M · INTERMEDIATE	BOOM ABCD 9.7 M · FULL EXTENSION
9.0 m	—	—	350 kg —
9.2 m (max)	—	—	340 kg —

Capacity Curve — All Boom Configurations (by Boom Angle)



Load Chart — Capacity by Boom Angle (Placard Data)

BOOM CONFIG	0°	20°	40°	60°	75°
Boom A 3.2 m · Stage 1 only	1.80 t	1.80 t	2.00 t	2.90 t	2.90 t
Boom AB 5.4 m · Stage 2 extended	0.80 t	0.91 t	1.30 t	2.50 t	2.90 t
Boom ABC 7.5 m · Stage 3 extended	0.45 t	0.50 t	1.00 t	1.60 t	2.00 t

BOOM CONFIG	0°	20°	40°	60°	75°
Boom ABCD 9.7 m · Fully extended	0.31 t	0.34 t	0.59 t	0.98 t	1.50 t

IMPORTANT: All SWL figures assume **outriggers fully extended** on firm, level ground. Capacity drops significantly with partial outrigger extension or uneven terrain. Radius-based SWL data sourced from manufacturer specifications. Angle-based data read from original crane placard. Max boom length (ABCD): **9.7 m** · Max working radius: **9.2 m** · Approx. max vertical height: **10.7 m**. This document is for planning reference only – it does not replace the OEM load chart, operator training, or a site-specific lift study. **Always verify against the original placard on the machine.**