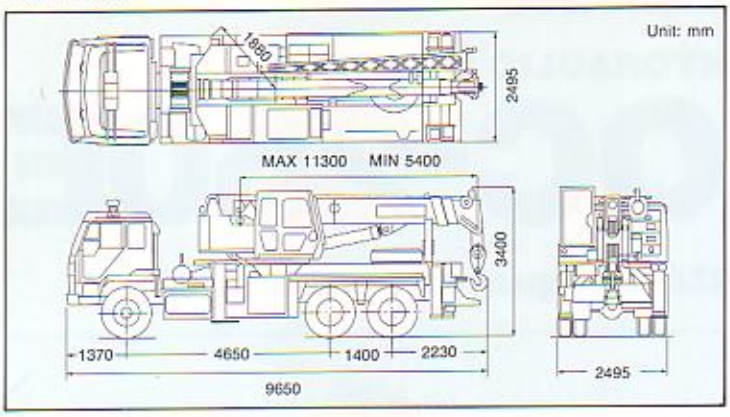
TADANO

HYDRAULIC WRECKER

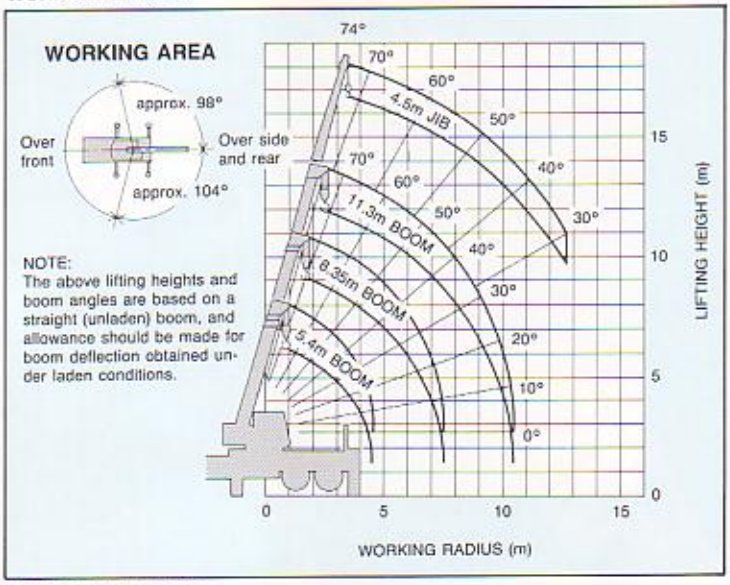
OC-250E

27.6 ton capacity (25 metric tons)

DIMENSIONS



WORKING RANGES



TOTAL RATED LOADS

Unit: kg

Outriggers fully extended (over sides and rear)						Outriggers midway extended (over sides and rear)				Outriggers fully or midway extended (over front)		
A / B	5.4m	8.35m	11.3m	C / D / E	4.5m 0°	A / B	5.4m	8.35m	11.3m	5.4m	8.35m	11.3m
2.5m	25,000	24,000		74°	2,500	2.5m	21,000	21,000		15,000	15,000	
3.0m	21,000	21,000		65°	2,500	3.0m	18,500	18,500		11,000	10,500	
3.5m	19,000	19,000		60°	2,100	3.5m	15,800	15,000		8,300	8,000	
4.0m	17,000	17,000		55°	1,700	4.0m	12,000	11,500		6,600	6,600	
4.5m	15,000	15,000	13,000	50°	1,300	4.5m	9,500	9,500	9,800	5,400	5,400	5,700
5.0m		12,000	12,000	45°	1,000	5.0m		7,800	8,100		4,600	4,800
5.5m		10,000	10,500	40°	750	5.5m		6,600	6,900		3,900	4,100
6.0m		8,500	8,900	35°	600	6.0m		5,700	5,900		3,400	3,600
6.5m		7,500	7,700	30°	450	6.5m		5,000	5,200		2,900	3,100
7.0m		6,500	6,800			7.0m		4,400	4,600		2,600	2,800
7.5m			6,000			7.5m			4,100			2,500
8.0m			5,400			8.0m			3,700			2,200
9.0m			4,500			9.0m			3,000			1,800
10.0m			3,600			10.0m			2,500			1,500

A: Boom length C: Jib lenth E: Boom angle
B: Working radius D: Jib offset

NOTES
1. Total rated loads shown in the table are based on condition that machine is set on firm ground horizontally. Those above bold lines are based on machine strength and those below, on its stability.
2. Total rated loads below bold lines do not exceed 78% of tipping load.
3. Each total rated load includes weight of the hooks (215kg for 25 ton capacity, 60kg for 2.5 ton capacity) and slings.
4. Standard number of part lines for each boom length is as shown below. Load per line should not surpass 3,150kg for main winch.

Boom length	5.4m	8.35m	11.3m	Jib
No. of part lines	8	8	6	1

5. Free-fall operation should be performed without any load on the hook.

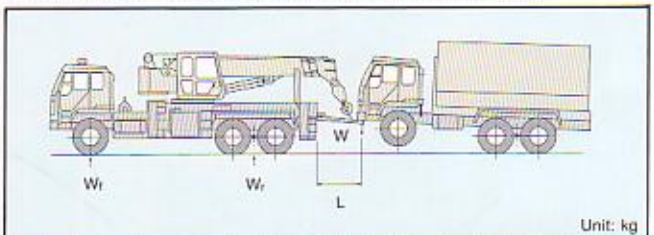
SPECIFICATIONS

MAXIMUM CAPACITY	25,000kg at 2.5m
TRAVELLING SPEED (MAX.)	102km/h computed
GRADEABILITY (TAN θ)	34% computed
MIN. TURNING RADIUS	10.5m at center of extremely outer tire
BOOM	Box type, full length power telescoping, 3 sections
Length	5.4m — 11.3m
Extension speed	Min. — max. in 41 sec
Elevation range/speed	− 2° — + 74° in 38 sec
JIB	Single staged lattice swingaround boom extension. 0° offset type. Single sheave at jib head. Stores alongside base boom section.
Length	4.5m
MAIN WINCH	2-speed type, axial piston motor driven through winch speed reducer, power up and down. Equipped with automatic fail-safe brake with free-fall device by foot brake operation and counterbalance valve.
Single line pull	3,150kg
Single line speed	High range ..... 76m/min at the 3rd layer Normal range ..... 30m/min at the 3rd layer
Wire rope	Spin-resistant type, 130m × 16mm
REAR WINCH	Hydraulic motor driven through worm gear speed reducer, power up and down, free fall, with remote control.
Single line pull	13,000kg at the 1st layer (Direction of pull must be parallel to chassis frame.)
Wire rope	60m × 22mm
SWING	Radial piston motor driven through planetary swing speed reducer, continuous 360° full circle swing on ball bearing slew ring, equipped with hand-operated swing brake
Speed	2.5rpm
TADANO Automatic Moment Limiter (Model: AML-M)	Main unit in upper cab gives audible and visual warning of approach to overload. Automatically cuts out boom / hoist motions before overload. With working range limit funciton. Seven functions are constantly displayed. Digital liquid crystal display: Boom angle Either boom length or potential hook height Actual working radius Actual hook load / Permissible load Jib offset angle (display changes by button) Color bar graphical display: Moment as percentage
OUTRIGGERS	4 hydraulically operated outriggers, each outrigger controlled simultaneously or independently from either side of carrier. Equipped with sight level gauges. Floats mounted integrally with jacks and retract to within vehicle width. All cylinders equipped with pilot check valves.
Extension width	4.6m centers (maximum) 3.6m centers (midway)
HYDRAULIC SYSTEM	
Pump	Triple-tandem gear pump
Control valves	Multiple control valves actuated by hand levers with integral pressure relief valves.
Oil reservoir	290 liters (approx.)
SAFETY EQUIPMENT	•Boom angle indicator •Overwinding cut-out device •Winch automatic brake •Winch drum lock •Hook safety latch •Pressure relief valves •Counterbalance valves •Check valves •Holding valves
STANDARD EQUIPMENT	•Large tool box •Upper cab heater and defroster •Engine start and stop switch •Rotating beacon with loud speaker (On carrier cab) •Rotating beacon (Rear of swing frame) 1 pc. •Work lights (Carrier rear end) 2 pcs. •Wood blocks (for outriggers) 4 pcs.
OPTIONAL ATTACHMENTS	•Anchoring spade

Each motion speed is based on unladen conditions.

CARRIER	MITSUBISHI FV435PLDMA, left hand steering, 6 × 4
ENGINE	MITSUBISHI 8DC9-1A diesel engine
Max. output (JIS)	320ps at 2,200 rpm
TIRES	Front ..... 12.00-20-18PR, single × 2 Rear ..... 12.00-20-18PR, dual × 4

TOWING PERFORMANCE AND WEIGHT DISTRIBUTION



Unit: kg

	L	W	Wf	Wr
Wr ≦ Permissible rear axle load	1.0m	4,250	4,550	23,000
	1.5m	4,000	4,300	23,000
Wf ≧ (Wf + Wr) × 0.18	1.0m	3,700	4,850	22,150
	1.5m	3,300	4,800	21,850

Continuing technical development requires Tadano to retain the right to make specification, equipment and price changes without notice.

TADANO

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