



HYDRAULIC TRUCK CRANE

GT-550E

55 METRIC TON CAPACITY

EURO-2

***New Partner
for New Century!***



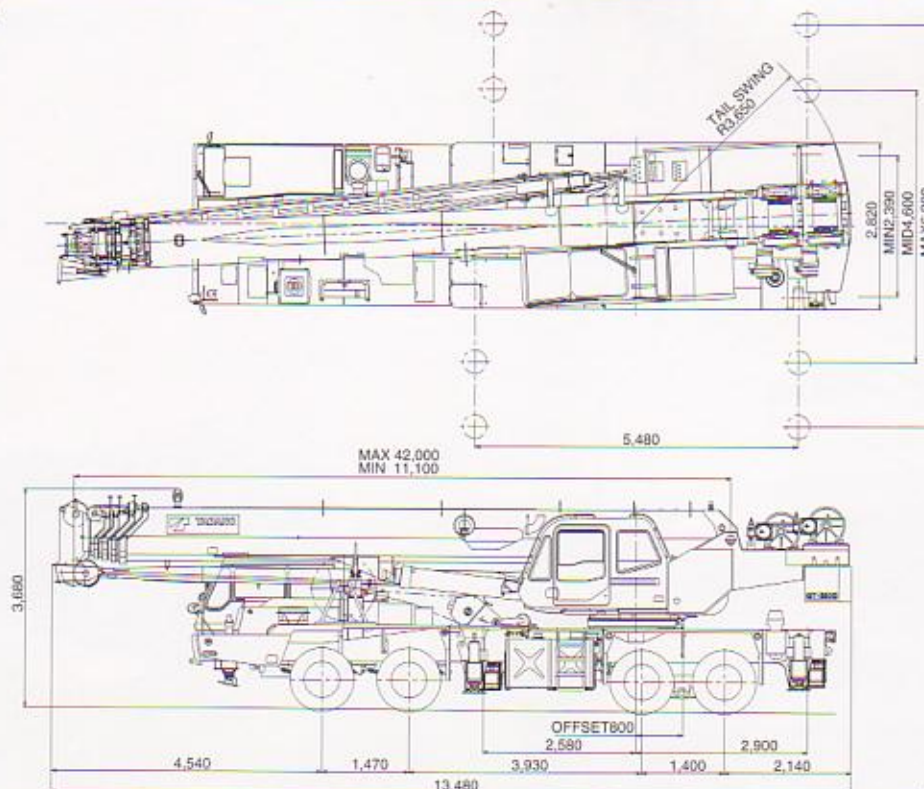
RIGHT HAND STEERING

SPECIFICATIONS

MAXIMUM CAPACITY	55,000kg at 3.0m
TRAVELLING SPEED(MAX.)	83km/h (Option:60km/h speed limiter)
GRADEABILITY(TAN θ)	53%
WEIGHT Gross vehicle mass	39,800kg (*35,850kg)
-front	15,900kg (*16,250kg)
-rear	23,900kg (*19,600kg)
	*exclude jib, single top and counterweight
MIN. TURNING RADIUS	10.8m (at center of extreme outer tire)
BOOM	5-section full length power telescoping boom
Fully retracted length	11.1m
Fully extended length	42.0m
Extension speed	30.9m in 120s
Elevation speed	-2° to 80° in 68s
JIB	Triple offset (5° / 25° / 45°) type
Length	Stored under base boom section
MAIN WINCH	Grooved drum driven by hydraulic axial piston motor through winch speed reducer.
Single line pull	42.2kN {4,300kgf}
Single line speed	143m / min (at the 4th layer)
Wire rope	Spin-resistant type 19.05mm X 227m
AUXILIARY WINCH	Grooved drum driven by hydraulic axial piston motor through winch speed reducer.
Single line pull	44.1kN {4,500kgf}
Single line speed	123m / min(at the 2nd layer)
Wire rope	Spin-resistant type 19.05mm X 127m
SWING speed	1.9min ⁻¹ (rpm)
Tail swing radius	3,650mm (with counterweight)
HYDRAULIC SYSTEM	Pumps.....Quadruple gear pumps driven by carrier engine through P.T.O.
	Control valves.....
	Multiple valves actuated by pilot pressure with integral pressure relief valves.
	Circuit.....Equipped with air cooled type oil cooler
	Filters.....Return line filter
	Hydraulic oil tank capacity.....
	approx. 690 liters

TADANO Automatic Moment Limiter	Main unit in crane cab gives audible and visual warning of approach to overload. Automatically cuts out crane motions before overload. With working area for each outrigger position is given separately. Nine functions are constantly displayed. Digital Main display: •Either Boom angle or moment % •Either boom length or potential hook height •Either Actual working radius or swing angle •Actual hook load •Permissible load •Either jib offset angle or number of parts line of rope •Boom position indicator •Outrigger position indicator Bar graphical display: •Either moment as percentage or main hydraulic pressure (Display changes by attention key) Automatic Speed Reduction and Soft stop function on boom elevation and / or boom telescoping and / or swing.
OUTRIGGERS	Hydraulically operated H-type outriggers. Each outrigger controlled simultaneously or independently from either side of carrier. Equipped with sight level gauge. Floats mounted integrally with the jacks retract to within vehicle width. All cylinders fitted with pilot check valves. Crane operation with different extended length of each outrigger. Equipped with extension width detector for each outrigger. Fully...8,800mm Middle...4,600mm Minimum...2,390mm Float size (Diameter)...400mm
Extended width	
FRONT JACK	A fifth hydraulically operated outrigger jack. Mounted to the front frame of carrier to permit 360° lifting capacities. Hydraulic cylinder fitted with pilot check valve. Equipped with front jack extension detector. Float size (Diameter).....350mm
STANDARD EQUIPMENTS	•Control pedals for telescoping and elevation •3 working lights •External lamp (AML) •Cable follower
CARRIER	Nissan KG48UXN..... Right hand steering, 8 X 4
ENGINE	Model NISSAN PF6TB Type 4 cycle, turbo charged, 6 cylinder in line, direct injection, water cooled diesel engine. Piston displacement 12,503cm ³ Bore X Stroke 133 X 150mm Max.output(JIS) 257KW (350ps) / 2,100min ⁻¹ (rpm) Max.torque(JIS) 1,460Nm (150kgfm) / 1,200min ⁻¹ (rpm)
TRANSMISSION	7 forward and 1 reverse speeds, synchromesh on 2nd-7th gears, and constant - mesh on 1st and reverse gears.

DIMENSION



*Some specifications are subject to change

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



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