TADANO

SPEC. SHEET No. TM-26Z-4-03005/EX-02[TM-ZE265M]
TM-26Z-4-03065/EX-02[TM-ZE265MH]
DATE July, 2010

TADANO CARGO CRANE

MODEL : TM-ZE265M
TM-ZE265MH ----- with hook stowing device

CRANE SPECIFICATIONS

CRANE CAPACITY — 2,630 kg at 1.5 m (4-part lines)

BOOM — Five-sectioned, fully powered partly synchronized telescoping boom of pentagonal box construction

- Retracted length -------- 3.13 m
- Extended length -------- 10.8 m
- Extending speed ------- 7.67 m / 15.5 s
- Elevation ---------- Elevated by a double-acting hydraulic cylinder
- Elevating speed --------- 1^{o} to 76^{o} / 6 s
- Boom point ---------- 2 sheaves

WINCH — Hydraulic motor driven Spur gear speed reduction, provided with mechanical brake and cable follower

- Single line pull ---------- 6.47 kN {660 kgf}
- Single line speed ------- 68 m/min (at 4th layer)
- Wire rope
  - Diameter x length --- 8 mm x 66 m
  - Breaking strength ---43.1 kN {4.39 tf}
  - Construction --------- 7 x 7 + 6 x WS(26)
- Hook block ---------- 2 sheaves

HOOK STOWING DEVICE [TM-ZE265MH only] — Mechanically stowed beneath boom top portion

Specifications are subject to change without notice.

SWING	Hydraulic motor driven Worm gear speed reduction Continuous 360^{o} full circle swing on ball bearing slew ring Automatic swing lock Swing speed ---------- 2.5 min^{-1} {rpm}
OUTRIGGERS	Manually extended sliders and hydraulically extended jacks Integral with crane frame Power up and down Extension width --------- Min. 1,720 mm Mid. 2,400 mm Full 3,000 mm
HYDRAULICS	Hydraulic pump ---------- Single gear pump Hydraulic motors ---------- Axial piston type for winch Axial piston type for swing Control valves ---------- Multiple control valves with integral safety valve Oil tank capacity ---------- approx. 22 L
SAFETY DEVICES	Load meter Load indicator Over-winding alarm Hoisting limiter P.T.O indicator lamp Hook safety latch Hydraulic safety valves, check valves and holding valves Level gauge
CRANE MASS	Approx. 1,085 kg (includes standardized mounting parts)

NOTE : Operating speeds of the crane are guaranteed under the condition that the pump delivery is 53 L /min.

RATED LIFTING CAPACITIES IN KILOGRAMS

Crane Strength Rated Capacities

Load Radius	3.13 m / 5.07 m Boom		Load Radius	7.0 m Boom	Load Radius	8.9 m Boom	Load Radius	10.8 m Boom
	Extension width of outriggers			Extension width of outriggers		Extension width of outriggers		Extension width of outriggers
	Full	Minimum		Full		Full		Full
1.5 m and below	2,630	1,580	2.8 m and below	1,280	3.7 m and below	700	4.5 m and below	480
1.8 m	2,180	1,130	3.0 m	1,230	4.0 m	700	5.0 m	430
2.0 m	1,980	880	3.5 m	1,080	5.0 m	550	6.0 m	330
2.5 m	1,580	580	4.0 m	930	6.0 m	450	7.0 m	280
3.0 m	1,330	430	4.5 m	800	7.0 m	380	8.0 m	230
3.5 m	1,130	280	5.0 m	700	8.0 m	350	9.0 m	200
4.0 m	980	230	5.5 m	630	8.7 m	330	10.0m	180
4.87m	830	150	6.0 m	580			10.6m	160
			6.8 m	530				

NOTES : 1. The mass of hook block (30kg), slings and all similarly used load handling devices must be added to the mass of the load.
2. The above numerical values of total rated loads are based on crane strength only. The total rated loads based on stability may lower than those in the above table depending on the loading conditions and the types of the chassis.

Empty Chassis Rated Capacities

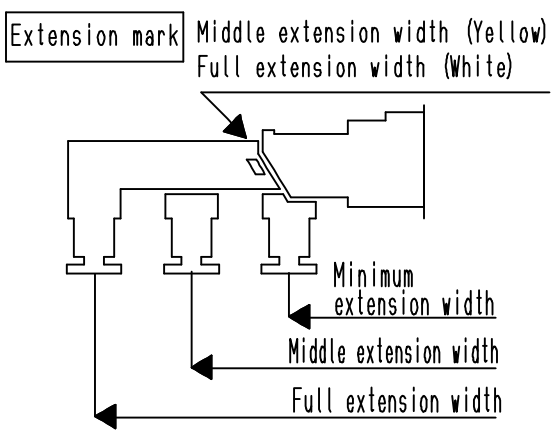
Table C

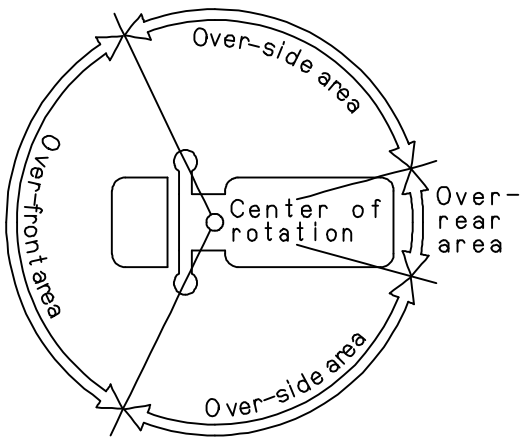
Load Radius	3.13 m / 5.07 m Boom		Load Radius	7.0 m Boom	Load Radius	8.9 m Boom	Load Radius	10.8 m Boom
	Extension width of outriggers			Extension width of outriggers		Extension width of outriggers		Extension width of outriggers
	Full	Minimum		Full		Full		Full
1.5 m and below	2,630	1,580	2.8 m and below	1,230	3.7 m and below	680	4.5 m and below	380
1.8 m	2,130	1,130	3.0 m	1,030	4.0 m	580	5.0 m	330
2.0 m	1,930	880	3.5 m	730	5.0 m	380	6.0 m	250
2.5 m	1,530	580	4.0 m	580	6.0 m	280	7.0 m	210
3.0 m	1,030	430	4.5 m	480	7.0 m	230	8.0 m	180
3.5 m	730	280	5.0 m	400	8.0 m	180	9.0 m	150
4.0 m	580	230	5.5 m	330	8.7 m	150	10.0m	130
4.87m	430	150	6.0 m	280			10.6m	100
			6.8 m	230				

Table D

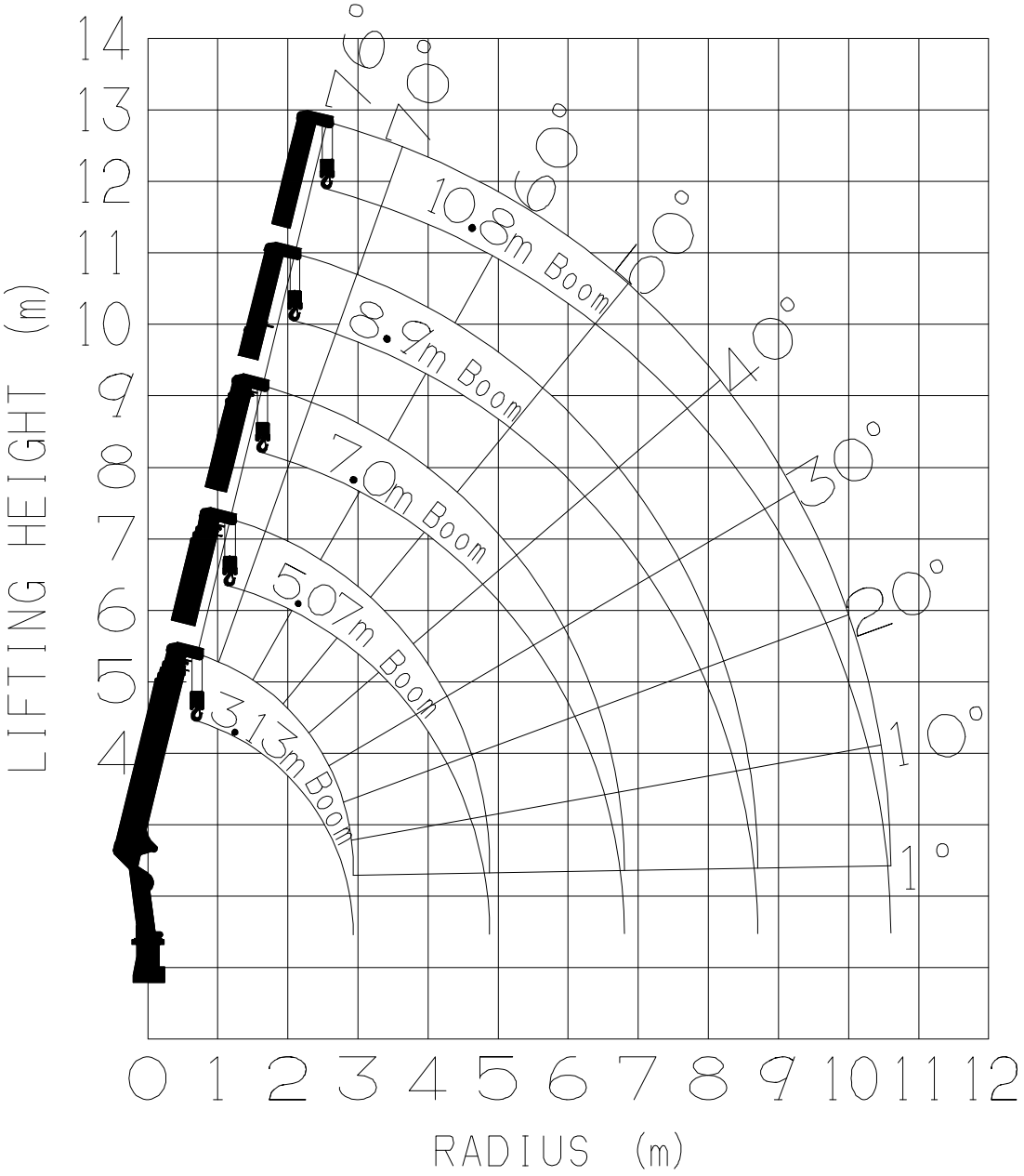
Load Radius	3.13 m / 5.07 m Boom		Load Radius	7.0 m Boom	Load Radius	8.9 m Boom	Load Radius	10.8 m Boom
	Extension width of outriggers			Extension width of outriggers		Extension width of outriggers		Extension width of outriggers
	Full	Minimum		Full		Full		Full
1.5 m and below	2,630	1,580	2.8 m and below	1,280	3.7 m and below	700	4.5 m and below	480
1.8 m	2,180	1,130	3.0 m	1,230	4.0 m	700	5.0 m	430
2.0 m	1,980	880	3.5 m	1,080	5.0 m	550	6.0 m	330
2.5 m	1,580	580	4.0 m	930	6.0 m	450	7.0 m	280
3.0 m	1,330	430	4.5 m	800	7.0 m	380	8.0 m	230
3.5 m	1,130	280	5.0 m	700	8.0 m	350	9.0 m	200
4.0 m	980	230	5.5 m	630	8.7 m	330	10.0m	180
4.87m	830	150	6.0 m	580			10.6m	160
			6.8 m	530				

NOTES : 1. Empty Chassis Rated Capacities in these tables depend on condition that crane is set level on firm level ground.
2. The mass of hook block (30 kg), slings and all similarly used load handling devices must be added to the mass of load.
3. For boom lengths not shown, use the rated lifting capacity of next longer boom.
4. When outriggers are extended to middle extension width, use the rated lifting capacities for outriggers are extended to minimum extension width .
5. For boom lengths longer than 5.07m, extend outriggers to full extension width.
6. When the boom length is 8.9 m, a half of the ▱ mark on lateral face of the 4th boom section is exposed out of the 3rd boom section.
7. Empty Chassis Rated Capacities table C and D depend on the types of chassis.
8. Empty Chassis Rated Capacities are shown for over-side areas and over-rear area. These capacities for over-front area may be lowered depending on the types of chassis.



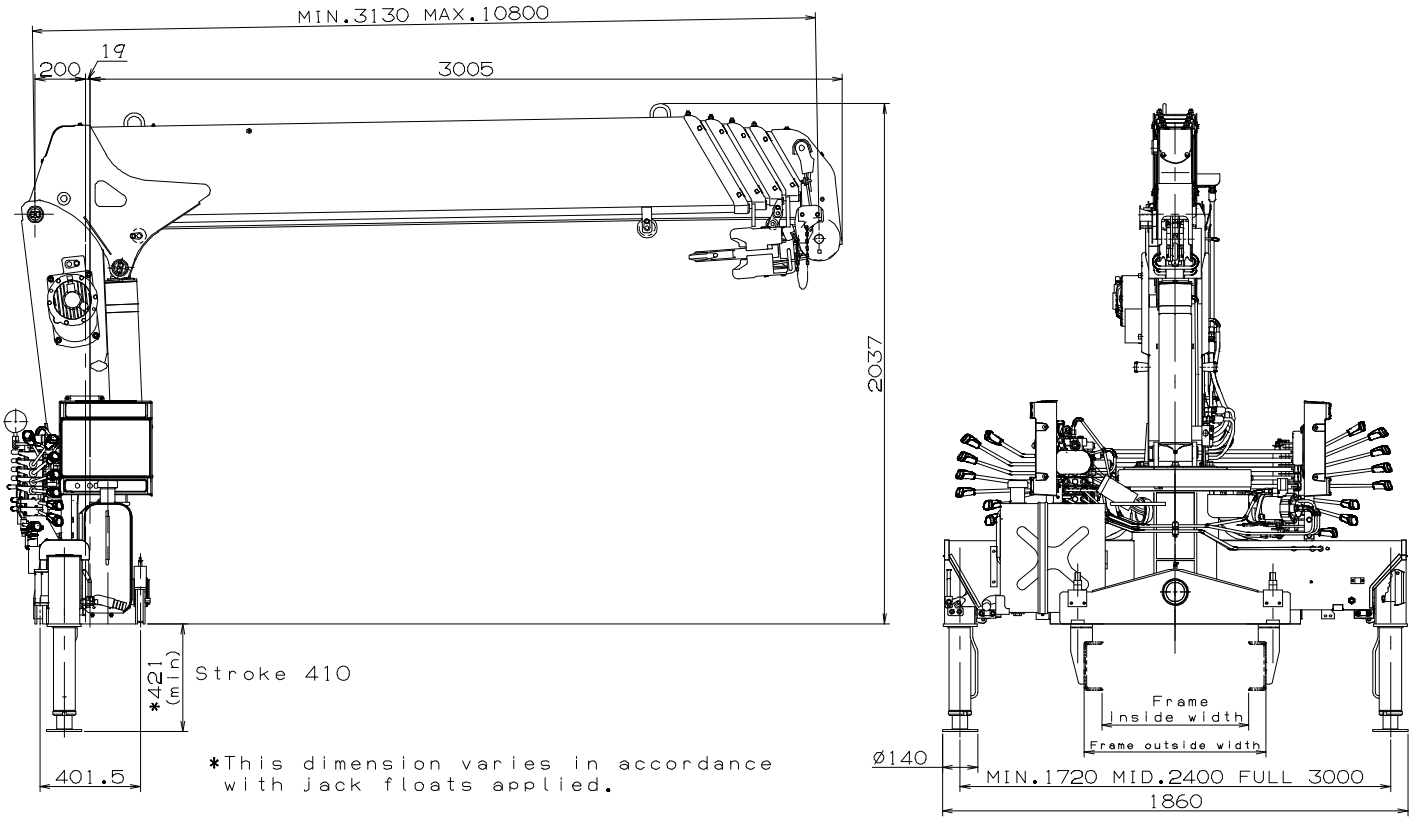


WORKING RANGE



NOTE: The above lifting heights and boom angles are based on a straight (unladen) boom, and allowance should be made for boom deflection obtained under laden conditions.

DIMENSIONS [TM-ZE265MH]



GENERAL DATA FOR SUITABLE TRUCKS

Gross vehicle mass (including crane mass) ----- 4,500 to 8,000 kg
P.T.O. torque ----------140 N-m {14.3 kgf-m} min.
P.T.O. revolution ---------- Approx. 300 to 1,700 min^{-1} {rpm}
Width for crane mounting ---------- Approx. 605 mm min.
Frame ---------- Weight distribution and frame strength should be calculated for each truck
Frame width range (inside to outside) ---------- Approx. 680 to 790 mm
Frame height (ground to frame top) ---------- Approx. 1,010 mm max.
(Height of crane mounting base can be changed by combination of jack floats and crane bases)