



DY Truck Mounted Crane SS3506

All specifications are subject to change without prior notice.

CRANE SPECIFICATION



CRANE MASS	7,518kg (Including Rear Outrigger)
	Only Crane Net Weight – 6,908kg (with Front Outrigger)
CRANE CAPACITY	Max. 30 ton.m
	Lifting capacity / radius - Max. 15,000kgf / 2m
	Max Working radius - 25.3m
BOOM	Four-sectioned, partly synchronized hexagonal boom structure and equipped 3 sheaves at boom head
	Boom length
	Fully Retracted Length – 6.35m
	Fully Extended Length – 25.6m
	Boom Extending Speed – 19.2m / 48sec
	Boom Elevation – Elevated by Two Double-Acting Hydraulic Cylinder
	Rising speed : 0° to 80° / 23 sec
WINCH	Hydraulic motor driven Spur gear speed reduction, provided with mechanical brake.
	Single line pull - 2,500kgf (24.5kN)
	Single line speed – 30~120m / min (at 4 layers)
	Wire rope
	Diameter x Length – 14mm x 100m
	Breaking Strength – 14,673kgf (143.8kN)
	Construction – 19x7 IWRC GRADE C
SLEWING	Hook Block – 10,000kg Capacity, 3 Sheaves
	Hydraulic motor driven, spur gear reduction, worm self-locking brake and hyd. Swing lock system
	Slewing range 360 degrees continuous rotation with Slewing bearing
	Slewing speed - 2.0 rpm

DY INNOVATE

CRANE SPECIFICATION



OUTRIGGERS

Hydraulically operated Beams and Jacks Integral
with Crane Frame

Vertical Jack (STROKE : 678 mm)
Double acting hydraulic cylinders with pilot-operated check

valve

Horizontal Beams
Hydraulic Extension Type
Extended Width
Min. 2,290 mm center to center
(2,490 mm outer to outer)
Max. 6,825 mm center to center
(7,025 mm outer to outer)

REAR OUTRIGGERS

Hydraulic Operated Jacks

Extended Width
Vertical Jack (STROKE : 510 mm)
Min. 2,220 mm center to center
(2,420 mm outer to outer)
Max. 5,164 mm center to center
(5,364 mm outer to outer)

HYDRAULIC SYSTEM

Hydraulic Pump – Type : Gear Pump
Rated Pressure - 210kgf/cm² (20.6MPa)
Rated Delivery – 126X126 Liter / Min
Rated Revolution – 1,500 RPM
Hydraulic Valves
Control Valve - Multiple control valves (spring centered spool-
type) with pressure relief valve
Pressure Relief Valve Setting - 210kgf/ cm² (20.6MPa)
Counter Balance Valve
- Boom raising and boom telescoping cylinders
Pilot Operated Check Valve - Outrigger vertical cylinders
Hydraulic Motor - Orbit Type
Hydraulic Cylinder – Double Acting Type
Oil-Tank Capacity – 250 Liter

CRANE SPECIFICATION

SAFETY FEATURES

Boom angle indicator
Hook safety latch
Circle level
Jack interlock
Hydraulic safety valves, check valves and holding valve
Emergency stop switch

OPTIONAL EQUIPMENT

Safety Device (Valve and Alarm)
Over Winding Alarm & Limit (DWL)
Overload Limit (OLL)
AML (Automatic Moment Limiter)
Warning lamp (when using AML)
Emergency stop switch (when using AML)
Load indication (when using AML)
Warning alarm

NOTE

1. The figures in relation to the speed are on the basis of no-load running at rated oil flow condition.
2. In accordance with our policy of constant improvement, all specifications are subject to change without notice or obligation.

RATED LOAD CAPACITY

RATED LOADS

4 LAYERS ()
6 LAYERS ()

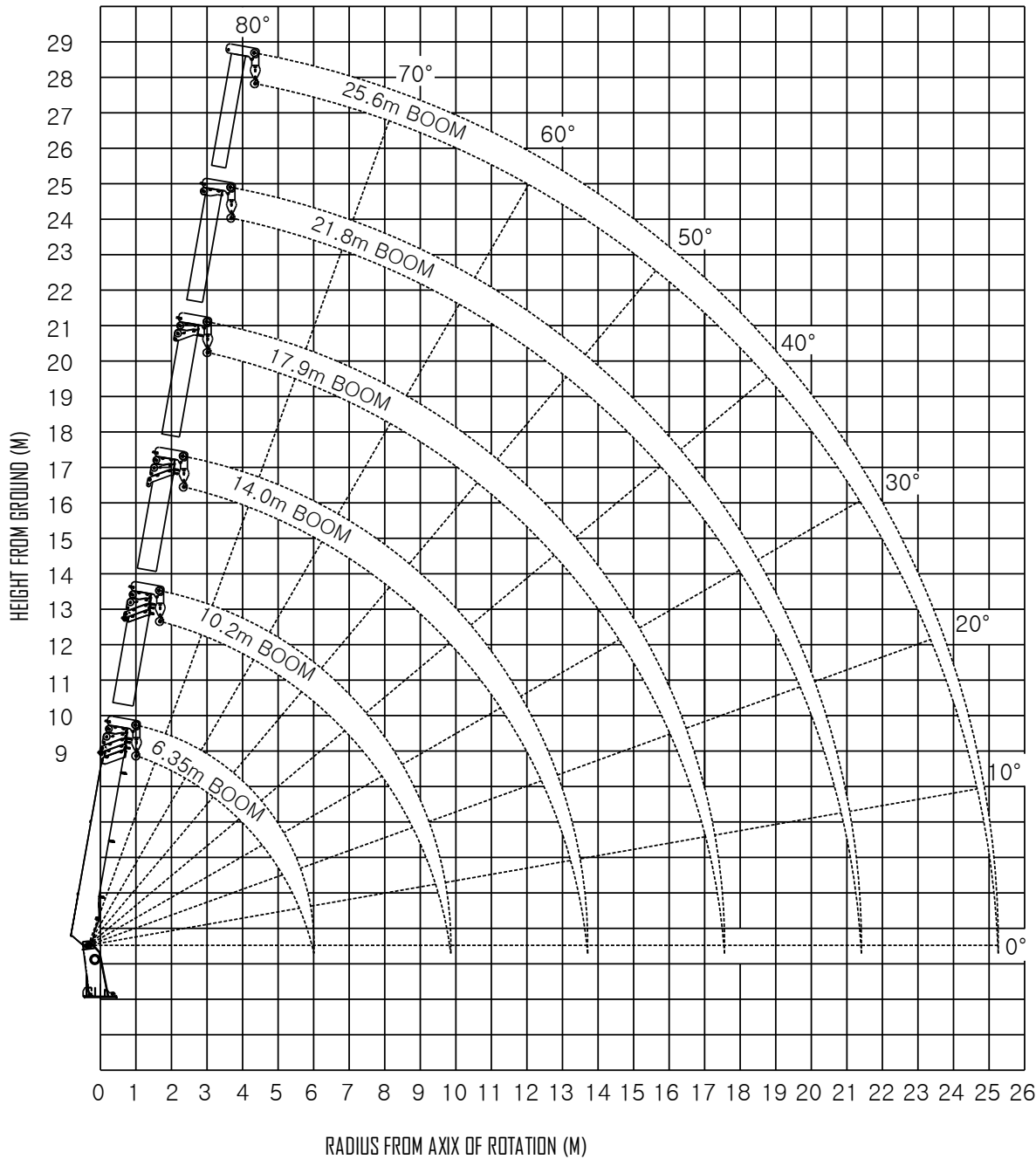
Unit : kg

Working Radius (m)	Boom length					
	6.35M	10.2M	14M	17.9M	21.8M	25.6M
2.0	15,000(0)	10,000	9,500(2.1)			
3.0	12,000(0)	9,000	8,800			
4.0	9,000	7,500	6,900			
5.0	8,500	6,400	5,750	3,000	3,000	3,000
6.0	7,500	5,550	5,000	3,000	3,000	3,000
7.0		4,980	4,400	3,000	3,000	3,000
8.0		4,510	4,000	3,000	3,000	3,000
9.0		4,150	3,600	3,000	3,000	2,900
10.0		4,000(9.9)	3,330	3,000	2,800	2,700
11.0			3,000	2,800	2,600	2,400
12.0			2,850	2,600	2,400	2,250
13.0			2,680	2,420	2,250	2,100
14.0			2,500(13.7)	2,270	2,100	1,950
15.0				2,150	2,000	1,830
16.0				2,000	1,850	1,700
17.0				1,900	1,760	1,600
18.0				1,750(17.6)	1,700	1,550
19.0					1,600	1,450
20.0					1,500	1,400
21.0					1,400	1,330
22.0					1,300(21.4)	1,250
23.0						1,200
24.0						1,150

() : Working radius

WORKING RANGE

WORKING RADIUS

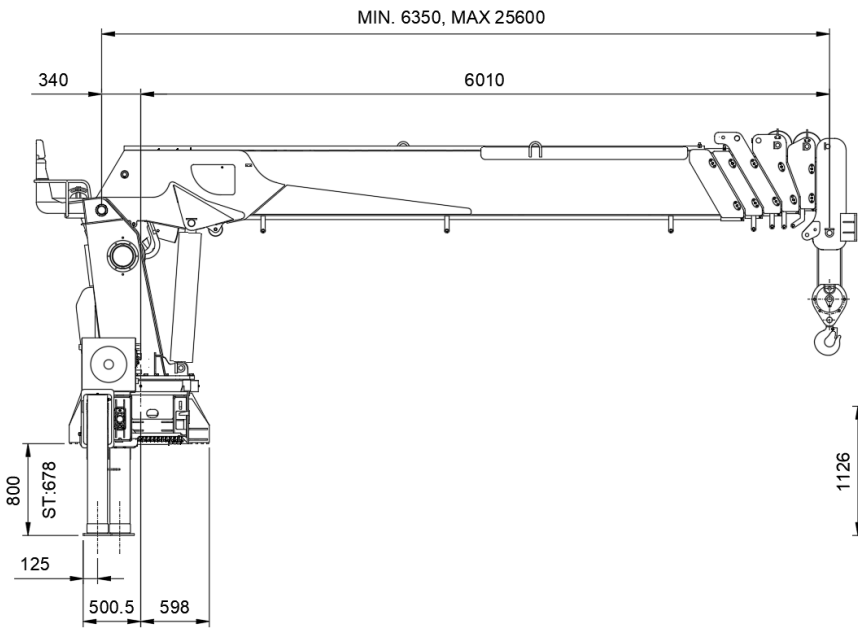


NOTE

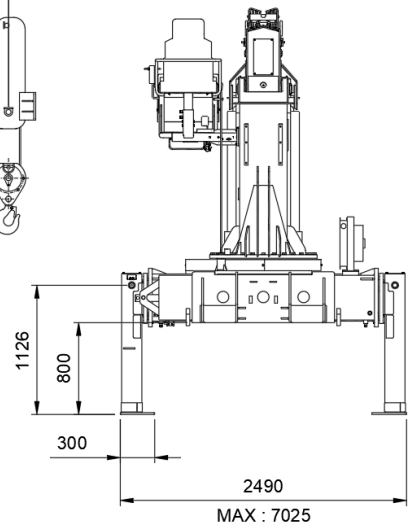
The Working Range chart shows lifting heights and boom angles in condition of a straight (unladen) boom, and Allowance should be made for boom deflection obtained under laden conditions.

Dimensions

SIDE



FRONT



REAR-OUTRRIGER

