

Quay Loading Data

Main Crane Data:

Total crane weight:	420,0 t
Maximum load:	100,0 t
Maximum load on operation:	520,0 t
Number of axles:	7
Propping base:	14,0 m x 12,5 m
Stabilizer pad size:**	2,0 m x 4,5 m
Stabilizer pads per corner	1

**other sizes on request

Crane in Travelling Mode:

Uniformly distributed load during travelling:

Area covered (15,2 m x 10,5 m)	160,37 m ²
Uniformly distributed load (420,0 t / 160,4 m ²)	2,62 t/m ²

Pressure under wheels:

Axle Load:	60 t
Wheels / Axle:	4
Load / Wheel:	15,00 t
Supporting Area / Wheel:	1690 cm ²
Pressure under Wheel:	8,88 kg/cm ²

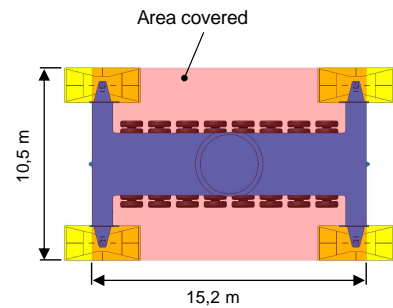


Figure 1: Area covered by the crane in travelling mode *

Crane in Operation:

Maximum propping forces [Heavy load - 75%]

Boom Position	I	II	III
Load:	100,0 t	96,0 t	96,0 t
Radius:	24 m	25 m	25 m
Stabilizer pad loading:	210,7 t	249,6 t	219,9 t
Pad(s) on which load is exerted:	A, D	A	A, B
Stabilizer Pad Area:	9,00 m ²	9,00 m ²	9,00 m ²
Ground Pressure :	2,34 kg/cm ²	2,77 kg/cm ²	2,44 kg/cm ²

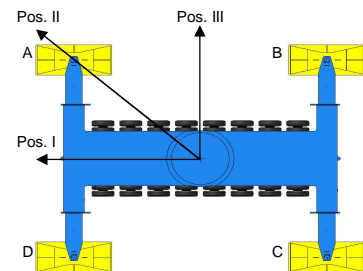


Figure 2: Determination of boom and pad position *

* Images are exemplary and may vary from configured crane