

# TCUK

## TOWER CRANES UK LIMITED

Topless Luffing Tower Crane - MTL220-10



*LUX*cranes

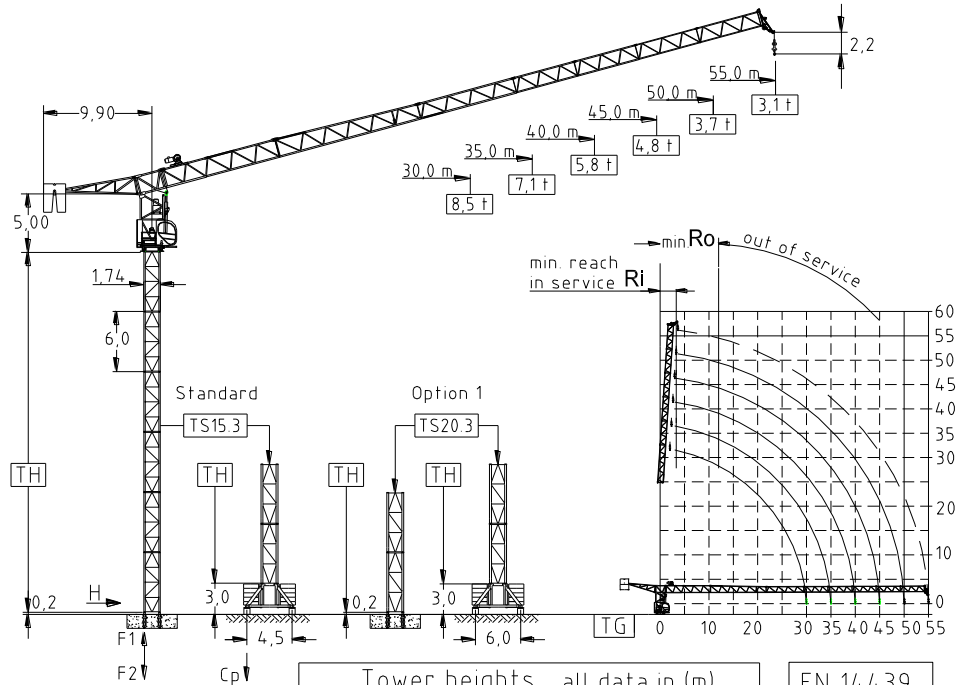
# Specification sheet with load chart and tower heights (TH15.3)

**MTL 220-10**

Tower TH15.3

10,0 ton  
1/2-fall rope

Topless Hydraulic  
Luffing crane



Tower heights all data in (m)					
Jib (m)	Jib reach (m)		Standard Tower		Option 1
	Ri	Ro	Foundat.	Chassis	Foundat. Chassis
			<b>TH15.3</b>	UC 4,5-15	TS20.3 UC 6,0-20
30,0	2,0	10,9	48,0	36,0	54,0 42,0
35,0	2,3	10,9	45,0	33,0	51,0 39,0
40,0	2,6	9,6	42,0	30,0	48,0 36,0
45,0	3,0	9,6	39,0	27,0	45,0 33,0
50,0	3,4	9,6	36,0	24,0	42,0 30,0
55,0	3,8	9,6	33,0	21,0	39,0 27,0

EN 14439  
WIND C 25

Radius & Capacity												
Jib	max. Load	Jib reach										
m	rope	t	m	18	19	20	25	30	35	40	45	50
55,0	φ	5,0	36,0	5,00	5,00	5,00	5,00	5,00	5,00	4,44	3,89	3,46
	φ	10,0	-	-	-	-	-	-	-	-	-	-
50,0	φ	5,0	38,2	5,00	5,00	5,00	5,00	5,00	5,00	4,75	4,16	3,70
	φ	10,0	-	-	-	-	-	-	-	-	-	-
45,0	φ	5,0	43,4	5,00	5,00	5,00	5,00	5,00	5,00	5,00	4,80	4,80
	φ	10,0	23,0	10,00	10,00	10,00	9,12	7,48	6,32	5,46	4,80	-
40,0	φ	5,0	40,0	5,00	5,00	5,00	5,00	5,00	5,00	5,00	5,00	-
	φ	10,0	24,2	10,00	10,00	10,00	9,66	7,93	6,71	5,80	-	-
35,0	φ	5,0	35,0	5,00	5,00	5,00	5,00	5,00	5,00	5,00	-	-
	φ	10,0	25,5	10,00	10,00	10,00	10,00	8,39	7,10	-	-	-
30,0	φ	5,0	30,0	5,00	5,00	5,00	5,00	5,00	5,00	-	-	-
	φ	10,0	25,8	10,00	10,00	10,00	10,00	8,50	-	-	-	-

Ropes		
	D (mm)	N/mm <sup>2</sup>
Hoist	18,0	1960

Counter weight	
Block 1	8 x 4,05 t
Block 2	-
Block 2	-
Total	32,4 t

Motor	30,0 kW FI	2 x 5,5 kW	2 x 5,0 kW
t/v	1,5 min	0,67 rpm	25,0 m/min
Power requirement		Hoist 45,0 kW	100 kVA
Upper part		Hoist 55,0 kW	110 kVA

Hoist 45,0 kW FI									
φ	t	1,2	1,5	2,5	3,5	4,5	5,0		
m/min		122	126	100	82	66	36		
φ	t	2,4	3,0	5,0	7,0	9,0	10,0		
m/min		66	63	50	41	33	18		

Hoist 55,0 kW FI									
φ	t	1,2	1,9	2,5	3,5	4,5	5,0		
m/min		158	126	120	94	38	32		
φ	t	2,4	3,8	5,0	7,0	9,0	10,0		
m/min		79	63	60	47	19	16		

Power requirement	
400 V (±10%) - 50Hz	

Shipping		
	Truck	Cont.
Top crane	6	7
Tower 2 unit	1	1
Climbing	2	2
Chassis	1	1