

MODEL 5 HARBOUR CRANE

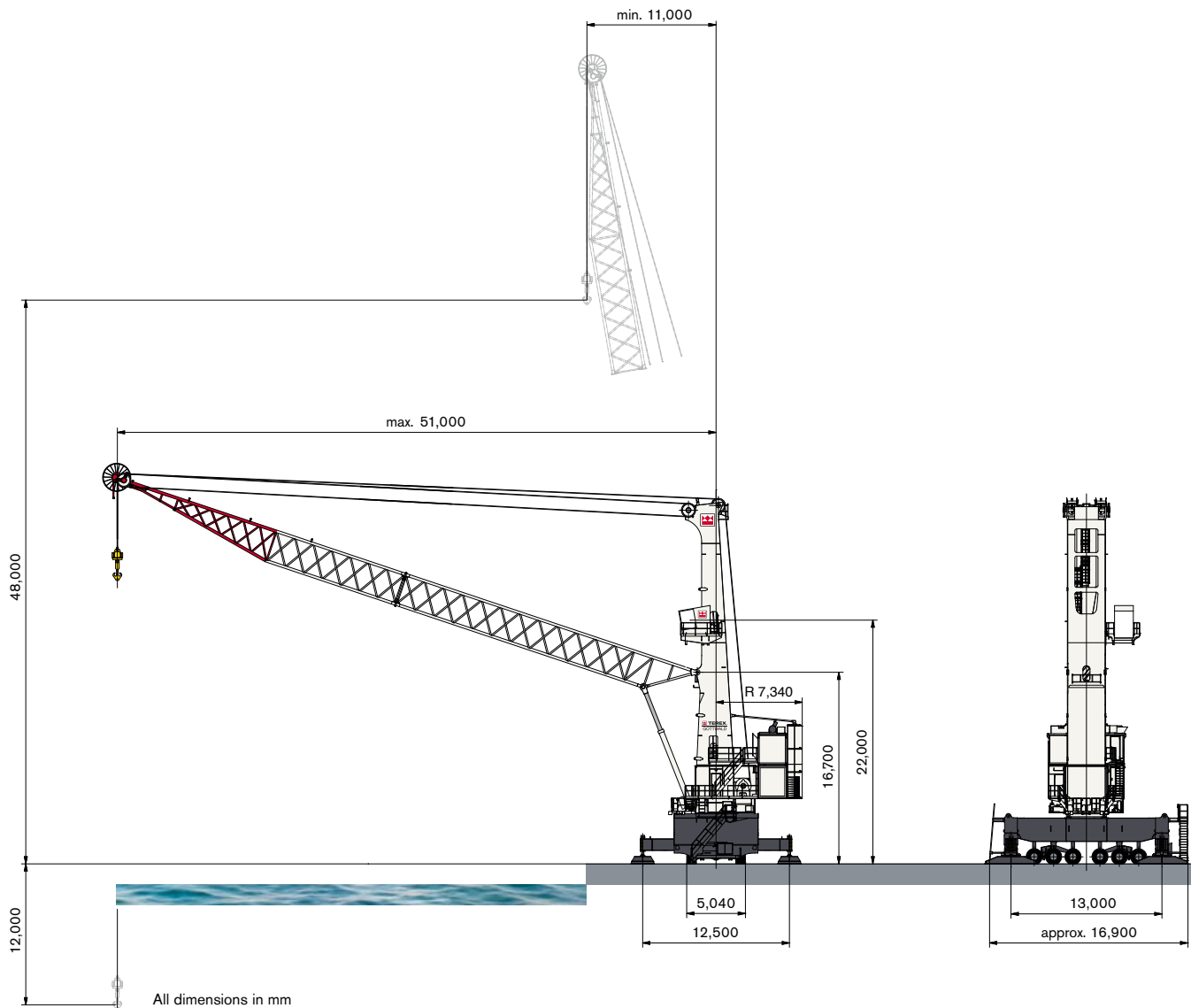
TECHNICAL DATA, LIFTING CAPACITIES AND EQUIPMENT



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MODEL 5 HARBOUR CRANE



Technical data

Crane type	G HMK
Maximum lifting capacities	See variants
Dimensions and weights	
Radius	11.0 m – 51.0 m
Boom pivot point	16.7 m
Tower cab (crane operator eye level)	22.0 m
Propping base	13.0 m x 12.5 m
Chassis in travel mode	16.9 m x 9.0 m optional 16.9 m x 8.3 m
Weight (approx.)	360 t
Hoisting heights	
Above quay level	48.0 m
Below quay level	12.0 m

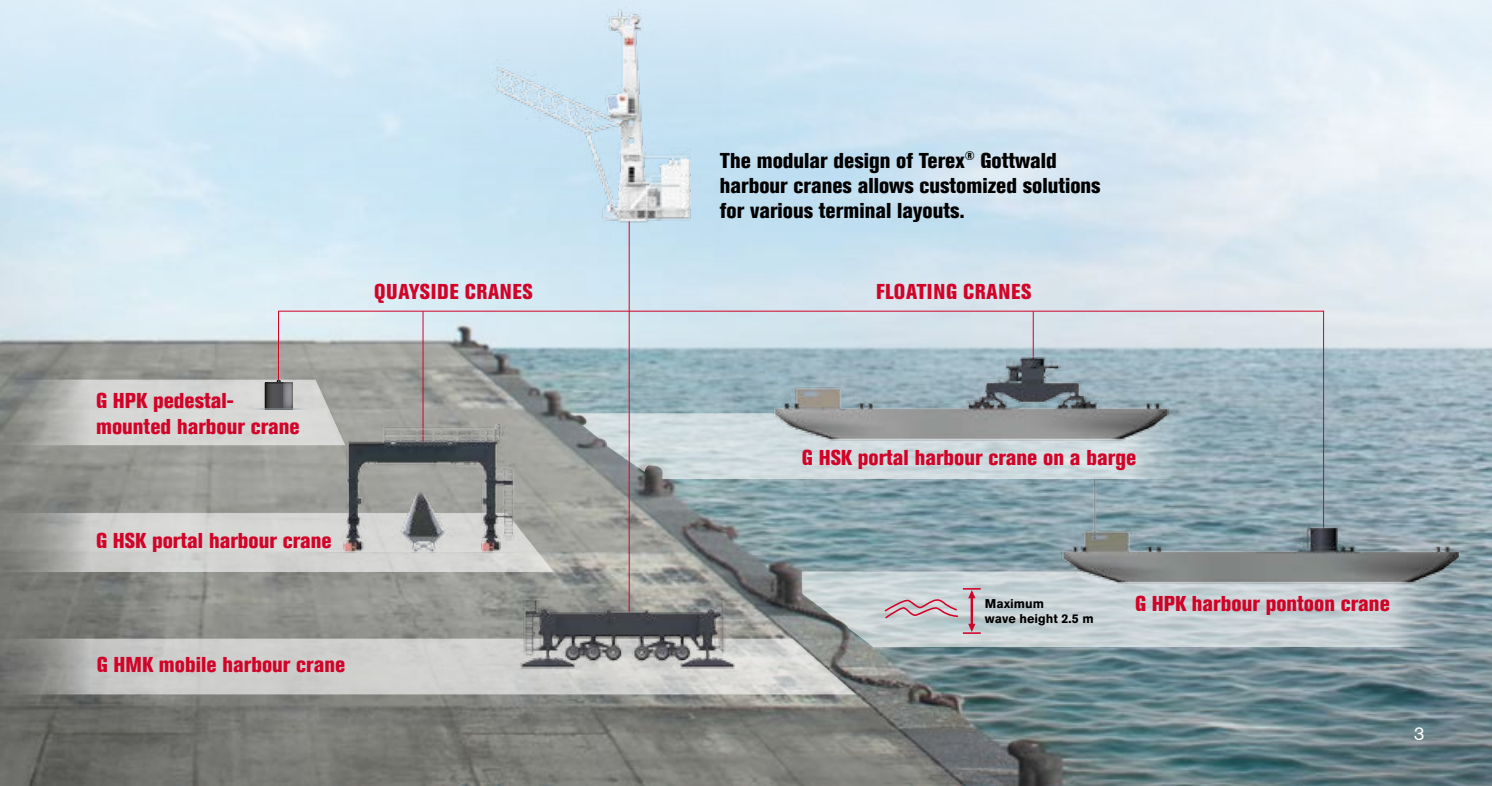
Crane type	G HMK
Travel gear	
Axle alignments	6
Steered axle alignments	6
Driven axle alignments	2
Crab steering	25°
Working speeds and drive power	
Hoisting / lowering	
See variants	
Slewing	0 – 2.0 rpm
Luffing	0 – 80 m/min
Traveling	0 – 80 m/min
Diesel engine power	
See variants	



The types and variants of Model 5 harbour cranes

Crane types	Variants	Max. lifting capacities [t]		Max. hoisting speed [m/min]	Max. radius [m]
		100	125		
G HMK (G HSK) (G HPK)	G HMK 5506		✓	✓	✓
	G HMK 5406	✓		✓	✓

Terex Port Solutions (TPS) offers a complete range of harbour cranes, based on mobile harbour crane technology. Five types of cranes are offered to suit different quay infrastructures and applications on the water. The figure below shows the full range of modular units available for Model 5 cranes.

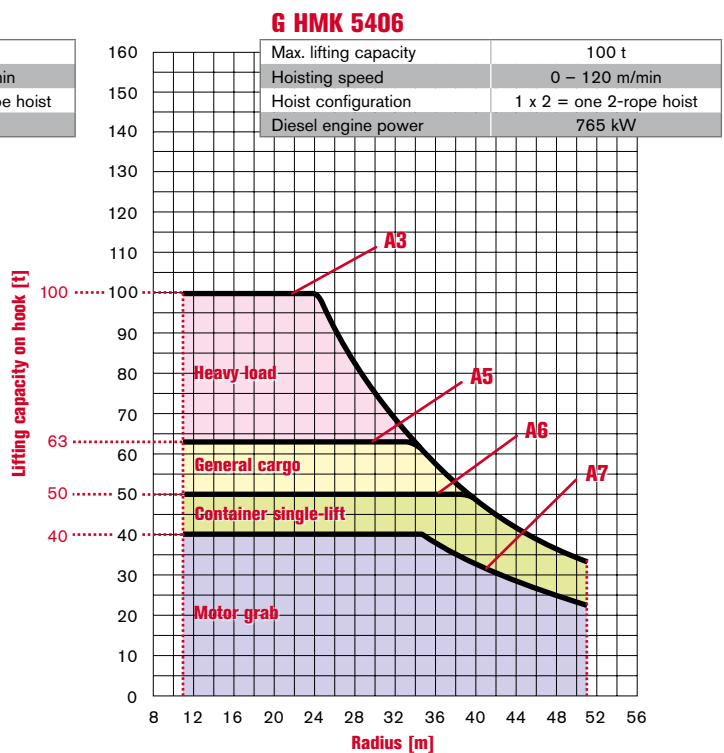
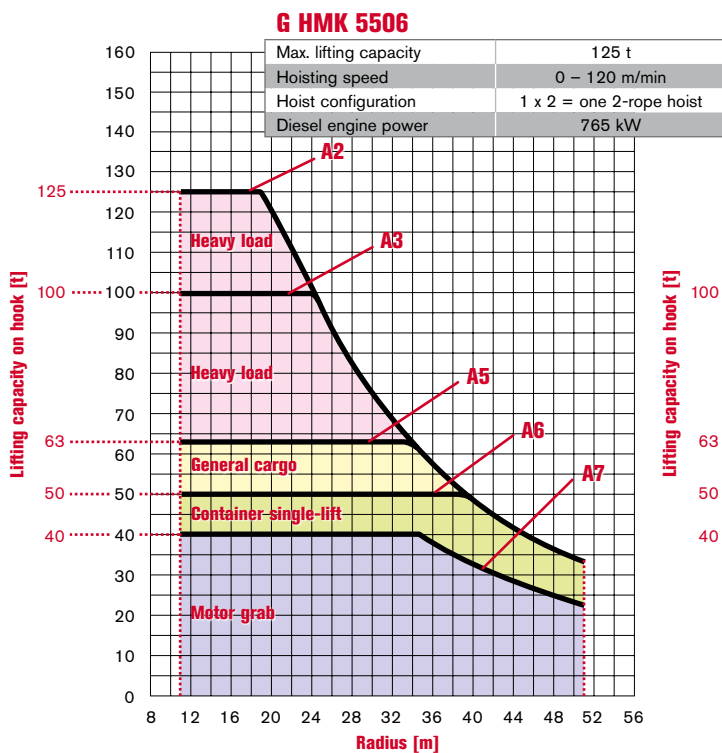


Lifting capacities [t]

Variants	Operating modes	Heavy load		General cargo	Container	Motor grab
G HMK 5506		✓	✓	✓	✓	✓
G HMK 5406			✓	✓	✓	✓
Radius [m]						
11 – 18		125.0	100.0	63.0	41.0	40.0
19		122.5	100.0	63.0	41.0	40.0
20		120.0	100.0	63.0	41.0	40.0
21		117.0	100.0	63.0	41.0	40.0
22		111.0	100.0	63.0	41.0	40.0
23		106.0	100.0	63.0	41.0	40.0
24		100.0	100.0	63.0	41.0	40.0
25		96.0	96.0	63.0	41.0	40.0
26		91.7	91.7	63.0	41.0	40.0
27		87.2	87.2	63.0	41.0	40.0
28		82.9	82.9	63.0	41.0	40.0
29		78.9	78.9	63.0	41.0	40.0
30		75.2	75.2	63.0	41.0	40.0
31		71.8	71.8	63.0	41.0	40.0
32		68.7	68.7	63.0	41.0	40.0
33		65.9	65.9	63.0	41.0	40.0
34		63.0	63.0	63.0	41.0	40.0
35		60.3	60.3	60.3	41.0	38.8
36		57.8	57.8	57.8	41.0	37.5
37		55.5	55.5	55.5	41.0	36.2
38		53.3	53.3	53.3	41.0	34.9
39		51.3	51.3	51.3	41.0	33.6
40		49.3	49.3	49.3	40.3	32.0
41		47.5	47.5	47.5	38.5	31.1
42		45.7	45.7	45.7	36.7	30.8
43		44.1	44.1	44.1	35.1	29.5
44		42.5	42.5	42.5	33.5	28.7
45		41.0	41.0	41.0	32.0	27.9
46		39.6	39.6	39.6	30.6	27.1
47		38.2	38.2	38.2	29.2	26.2
48		36.9	36.9	36.9	27.9	25.5
49		35.7	35.7	35.7	26.7	24.4
50		34.5	34.5	34.5	25.5	23.5
51		33.3	33.3	33.3	24.3	22.5

Heavy load, general cargo and motor grab on hook. Container operation below spreader. Single-lift spreader = 9 t

Classification of the crane as a whole in appliance groups A2 to A7 as per the F.E.M. 1.001 design rules.



Equipment

Section	Standard	Option
Drive systems		
Diesel generator drive		
– Diesel engine <i>MAN</i> (765 kW)	✓	
– Diesel engine <i>Cummins</i> (895 kW)		✓
External power supply		
– Preparation for external power supply		✓*
– Low-voltage mains power equipment		✓*
– Medium-voltage mains power equipment		✓*
Dynamic brake resistors	✓*	
Hybrid drive including double-layer high performance capacitors (ultracaps)		✓*
Controls		
Visumatic® Crane Management System	✓	
Remote control (radio, all functions)	✓	
Load guidance system		
– Antisway		✓
– Load linear motion		✓
– Point-to-point handling mode		✓
– Hoisting height limitation		✓
– Tandem Lift Assistant		✓
– Vertical Lift Assistant		✓
Camera at the boom tip	✓	
Camera for reverse travel		✓
Cabs		
Tower cab		
– Air conditioner	✓	
– Additional seat		✓
Chassis cab		
– Air conditioner		✓
– Roof protector		✓

Section	Standard	Option
Additional design features		
Crab steering	✓	
Automatic stabiliser system	✓	
Interlocking stabiliser beams for reduced passage width		✓
Refuelling via the chassis	✓	
Torque-controlled cable reel	✓	
Lighting		
– Metal halide lamps	✓	
– Sodium vapour lamps		✓
– Prismatic lens lamps		✓*
Operating fluids		
Central lubrication system for slew ring, boom root and luffing cylinder bearings	✓	
Pinion lubrication using high-performance grease via separate central lubrication system	✓	
Central lubrication system for chassis and rope pulleys		✓
Climate packages for extreme high or low ambient temperatures		✓
Biodegradable fluids		
– Approved for use with B20 biodiesel (20% biodiesel, 80% petroleum diesel)	✓*	
– Central lubrication system prefilled with biodegradable lubricants for slew ring, boom root and luffing cylinder bearings		✓*
– Biodegradable hydraulic oil		✓*
Surface treatment		
Customer specific livery		✓
Customer logo		✓

More information about additional options on request.
Based on individual needs we supply such lifting gear as spreaders and grabs.

* With its products and drive technologies, Terex Port Solutions is focused on offering alternative, environmentally compatible solutions.



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