



TEREX

1704 MI

Material Handler

OPERATING WEIGHT	67,800 - 58,200 lbs (26,200 - 25,400 kg)
NET ENGINE POWER	213 hp (157 kW)
MAX REACH	43' 6" (13.3 m)



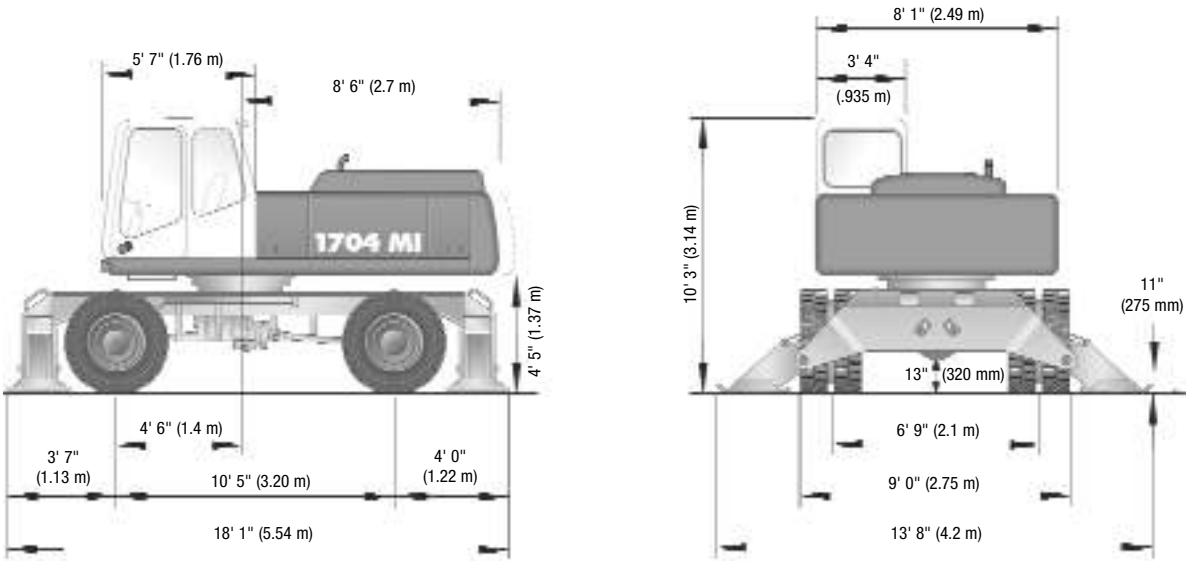
MATERIAL HANDLER
1704 MI

Specifications			
Engine		Hydraulic System	
Manufacturer / Model	Deutz / BF6M 1013 EC	Computer controlled AWE4 system with one load limit controlled high performance piston pump and fuel saving oil supply on demand in order to ensure sensitive, proportional and load independent control of all movements. Primary and secondary safeguarding of the hydraulic system against overload. Anti-cavitation valves for all working functions throttle control in the lifting and folding circuit.	
Type	Turbocharger / intercooler	Hydraulic system	1 x axial piston pump
Engine output (acc. to ISO 1585)	213 hp (157 kW)	Main pump	HPR 160/130
Displacement	436 in³ (7.14 L)	Max. gear pump output	85 / 71 gpm (320 / 370 L/min)
Maximum rpm	2000 min ⁻¹	Maximum operating pressure	5,551 psi (380 bar)
Noise Level		Brakes	
Outside cab (LwA)	103 dBA	Service brake:	Multi-disc type
Inside cab (LpA)	75 dBA	Parking brake:	Spring loaded type
Noise level well below EU limits			
Fluid Capacities			
Fuel tank	79 gal (300 L)		
Hydraulic tank	102 gal (385 L)		
Engine oil tank	6 gal (21 L)		

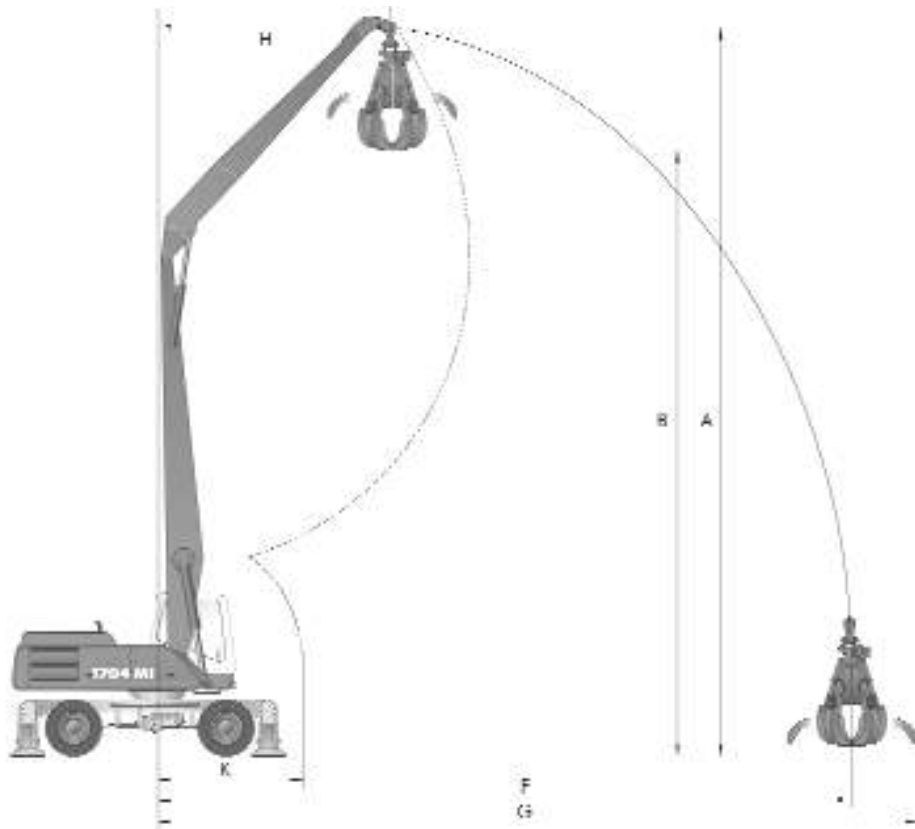
Specifications

Electrical System		Undercarriage	
Operating voltage	24 Volt	70 ton (154,323 lbs) special excavator axles with planetary gears in all four wheel hubs	
Cold-start high performance batteries	2 x 143 Ah	All wheel drive	
Complete electrical system acc. StVZO		Variable speed motor and accelerator pedal control	
Cab		Double acting travel brake valve	
Shock absorbing resilient mountings • Heat insulated panoramic windows for best all around visibility • No glare interior • Up and over windscreen • Lockable under roof panel • Sliding window in cab door • Air conditioning • Ergonomic control levers • Forward and reverse seat adjustment independent of the control panel, fold away arm rest on the left side • AM / FM cassette stereo		Select driving direction via push button on the right hand joy-stick	
Swing Mechanism		Steering axle with automatic blocking of the pendulum axle	
Swing mechanism with dual-drive		Steering via potentiometer (no steering wheel) and joy-sticks with push button (for off-road driving)	
Swing motor	Axial piston with priority valve	Traveling Speed	
Swing gear box	Planetary gearing	Low	0 - .621 mph (0 - 1.0 km/h)
Swing brake*	Lockable multi-disc	Off-road (high)	0 - 3.42 mph (0 - 5.5 km/h)
Drive internally toothed		On-road (high)	0 - 12.43 mph (0 - 20 km/h)
Swing speed	8.5 min ⁻¹	Operating Weight	
Swing torque	49,600 lb•ft (67.2 kNm)	Operating weight	54,113 - 60,627 lbs (24,500 - 27,500 kg)
*Straight forward swing operations while on grades due to foot locking pedal brake, if swing pressure exceeds 1,740 ppi (120 bar).		Basic machine includes work attachment, 5 tine grapple 2,540 lbs (1,152 kg)	
Tires		Reach 35' 9" (10.9 m)	57,800 lbs (26,200 kg)
8-ply, solid elastic	10.00 - 20	Reach 50' 11" (15.5 m)	58,200 lbs (26,400 kg)
Turning radius	27 ft. 3 in. (8.3 m)		

Dimensions



Working Ranges



Total Reach: 35' 9" (10.9 m) Boom 19' 8" (6 m), Stick 16' 5" (5 m)	
Equipped with grapple	
A Jib height	40' 2" (12.25 m)
B Dumping height	23' 1" (9.60 m)
F Max. length of jib	37' 4" (11.4 m)
G Max. outreach	41' 0" (12.5 m)
H Max. outreach length	12' 6" (3.85 m)
K Min. length of jib	9' 3" (2.8 m)

Total Reach: 43' 6" (13.3 m) Boom 25' 7" (7.8 m), Stick 19' 8" (6 m)	
Equipped with grapple	
A Jib height	47' 4" (14.5 m)
B Dumping height	39' 2" (11.9 m)
F Max. length of jib	44' 9" (13.7 m)
G Max. outreach	48' 5" (14.8 m)
H Max. outreach length	14' 11" (4.3 m)
H Min. length of jib	10' 7" (3.2 m)

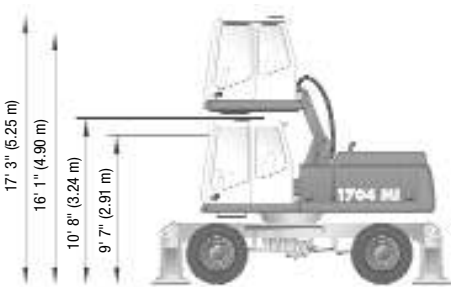
Standard Equipment

Hydraulic installation for grab operation and grab rotation	Sliding window in the cab door
Fuel tank indicator	Intermediate rings between the tire pairs
Battery main switch in the negative wire	Travelling with foot pedals
Skylight with window	Infinitely adjustable steering column (height and tilt)
Air conditioned cab with storage area	4 hydraulic stabilizers
Comfort seat with arm rests and lumbar support	Hydraulic cab lift 6' 7" (2 m)
Tool-box in the superstructure	2 spot lights mounted on cab
Sealed base boom pivot pins	AM / FM cassette stereo
Emergency boom lowering accumulator	Automatic central lube
Windscreen washer	Solid 12.00-20 tires

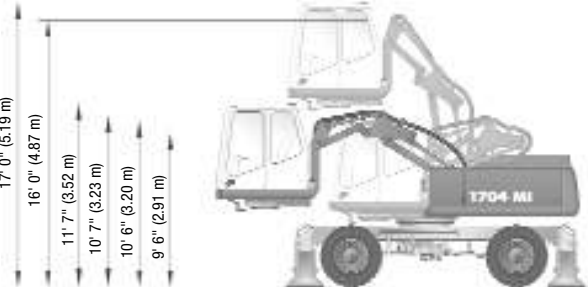
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Cab Design

Hydraulic cab lift



Hydraulic cab lift with horizontal / vertical



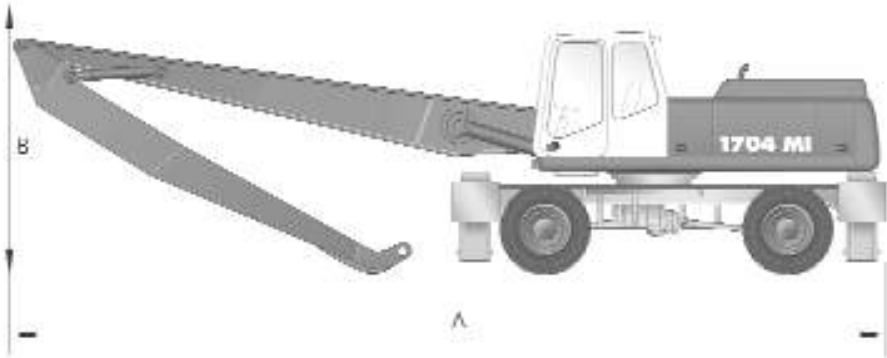
Loading Dimensions

Reach 35' 9" (10.89 m) Boom System

Length A 34' 1" (10.4 m)
Height B 10' 6" (3.2 m)

Reach 43' 6" (13.25 m) Boom System

Length A 37' 2" (11.35 m)
Height B 10' 6" (3.2 m)



Attachments

			Capacity	Weight
Grapples	4 tine	Open	.72 yd³ (550 L)	2,190 lbs (993 kg)
	4 tine	Half-Open	.72 yd³ (550 L)	2,495 lbs (1,132 kg)
	5 tine	Open	.72 yd³ (550 L)	2,540 lbs (1,152 kg)
	5 tine	Half-Open	.72 yd³ (550 L)	2,780 lbs (1,260 kg)
Quick-Attach connection available.				
Contact your local TEREX Material Handling distributor for more attachment options.				



For more information, product demonstration, or details on purchase, lease and rental plans, please contact your local TEREX Material Handling Distributor.

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