



Terex - Tadano Crane Model DEMAG AC 100-4L

- Lifting Capacity max -- 100 Ton
- Lifting Height max -- 60 Meter
- Luffing Jib (if any) -- not included
- Total Counterweight -- 24,5 Ton
- Year of production -- 2020



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BASIC CRANE COMPOSITION:

CARRIER:

Engine 335-3; Euromot 3a/Tier 3

MTU diesel engine type OM 460 LA; 335kW (455HP) at 1800 1/min, torque 2000Nm at 1300 1/min; The engine complies with Euromot 3a, EPA Tier 3 and Carb regulations; Exhaust system cpl. stainless steel, with spark arrester. Fuel tank carrier 410l Diesel (no RME/ Biodiesel)

Transmission ZF-AS

ZF AS-Tronic; Automated gearbox with integrated hydraulic secondary retarder brake, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock

Axles 8x6x8

8x6x8; All 4 axles steered, axles 1, 3 and 4 driven with selectable transverse lock

Suspension

Hydro pneumatic suspension with axle load compensation; hydraulically lockable; Manual or automatic levelling alternatively

Steering

Dual circuit hydro servocom steering with emergency steering pump; Active rear axle steering (axles 3&4) with 6 different steering programs

Brakes

Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Additional exhaust brake and constant throttle valve (For EM4 und Tier4f variant: Instead of exhaust brakes and constant throttle valve, additional double clocked decompressions-brakes); spring-loaded parking brake; Incl. ABS

Wheels 445/95 R25 (16.00R25)

Wheels 445/95R25 (16.00R25); Steel rim 11-25/1,7"; TechKing ETCRANE 174F; instead of serial wheels

Pneumatic tire inflating plug

Pneumatic tire inflating plug for self-inflating of the wheels

Wheel nut indication

Wheel nut caps with arrow enable optical check of wheel nut position

Cab Carrier

Type 2.55m; Adjustable driver seat, armrests and pneumatic suspension; steering wheel height and tilt adjustable; Power door windows; Tinted glass; Radio-preparation



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Heating carrier

Engine-dependent warm water heating with 12kW heating power

Tachograph

Display of the speed and record according to country-specific regulations

Fire extinguisher With holder in carrier cabin

Electronic immobilizer system

Prevents uncontrolled vehicle mobilization; Incl. 3 ignition keys with transponder and 2 ignition keys without transponder

Driving lights

Including low beams, high beams, daytime running lights

Illumination

2 x work lights on outriggers left, 2 x work lights on outriggers right

Rotary beacons

2x beacons on carrier cab

Outriggers

H-4-Point design; Vertical and horizontal movement fully hydraulic; Manual or automatic outrigger levelling alternatively on both sides of carrier; 4 outrigger bases of 3,52m, 4,72m, 6,00m und 7,20m

Outrigger pads 028PA

4 round outrigger pads $A=0,28m^2$ Polyamide, with transport position at vertical cylinder

Outrigger basis monitoring

Surveillance of each outrigger beam for visual comparison with the programmed outrigger basis; Displayed in LMI superstructure cab (Attention: There is no automatic linkage with the LMI-system)

Outrigger load indicator

The outrigger load is indicated in the operator cab and the outrigger control box

Stowage carrier

Storage compartment, with lid, for toolbox; Side compartment between the outriggers



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Heavy-duty batteries

HD-batteries for optimal battery performance even under HD usage; Suitable for cold start

Jump starting device

Jump starting device as per NATO standards; Enabling jump start by using separate energy source

Contour safety marking

Continuous reflective strips on the sides of the chassis and in the back

Emergency roadside kit

Emergency roadside kit for crane operation and for public road access of trucks according to StVZO

Stepladder

Loose stepladder for misc. assembly work; Incl. transport storage

Painting DEMAG

Single basecoat, topcoat in DEMAG standard, chevron warnings in red-white

Standard acceptance

Standard acceptance test for carrier

ADDITIONAL EQUIPMENT: HOOK BLOCKS

Hook block 50-3-18-D

50-3B-18-D (550kg); Hook block with adjustable ballast and ramshorn hook, variable usage as 1- and 3-sheave hook block; white with red signal stripes

Hook 8-0V-E-170

8-0V-E (170kg); single hook with vertical swivel; red



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ADDITIONAL EQUIPMENT: CARRIER

Wear-free auxiliary brake

Eddy current brake (Telma) to increase the braking power, especially when towing a trailer

Hook block storage

Left side behind carrier cab; Holds 1 - or 3 - sheave hook blocks; Note: Not possible with Long range fuel tank and Gas heating carrier

Central lubrication carrier

Automatic central lubrication system for the majority of the lubricating points on the chassis

Radio CD carrier

Radio with CD-player with USB input, Aux-In and Bluetooth® connection

Air-condition carrier

Air-condition for carrier cab with 7KW rated cooling Capacity

Cruise control

Automatic speed control

Speed limiter

Free top speed limit programming by factory; Standard programmed limit is 80km/h or 85Km/h

Fog and cornering lamps

Front fog and cornering lamps



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ADDITIONAL EQUIPMENT: SUPERSTRUCTURE

Additional counterweight 5,2 t.

Additional counterweight 5.2t, two pieces; For max. 24,5 t. counterweight with 7- pieces

Single work floodlight

One adjustable floodlight, mounted at front of boom base section

Positioning light

Disconnect able red LED beacon, to allow use with all extensions

Central lubrication superstructure

Central lubricant distributor for luffing cylinder pins, hoist thrust bearing, slewing ring, and boom base pins

Radio CD superstructure cab

Radio with CD-player with USB input, Aux-In and Bluetooth® connection

Air-condition superstructure cab

Air-condition with 7 KW rated cooling capacity

Emergency override E

Electrical emergency control unit via cable; Enabling to continue crane operation in case of electrical control system failure



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SPECIAL OPTIONS:

SPECIAL EQUIPMENT:

WHEELS

Spare wheel 445/95 R25 (16.00R25) Spare wheel 445/95R25 (16.00R25); Steel rim 11-25/1,7"; loose without mount; Tech King ETCRANE 174F

SPECIAL EQUIPMENT:

DIVERSE

Refinery Kit

Electric emergency stop device and intake air shut off valves; Emergency engine shutdown prevents over speed of engine in environments with flammable gas or vapor

Toolkit

Toolkit for light repairs and service



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Packing list :

N. Packages	Description	Type of package:	Lenght cm.	Wide cm.	Height cm.	Volume mc.	Gross Weight kg.	Net Weight kg.
Packages 1a/9	Crane Demag AC100L	On sight unpacked	1.337	255	400	136,37	48.000	43.530
Packages 1b/9			Counterweight E			4.300		
Packages 1c/9			Single Hook 8-0V-E-170			170		
Packages 2/9	Counterweight A	On sight unpacked	200	115	90	2,07	1.800	1.800
Packages 3/9	Counterweight B	On sight unpacked	253	140	22	0,78	2.500	2.500
Packages 4/9	Counterweight C	On sight unpacked	253	145	30	1,10	4.800	4.800
Packages 5/9	Counterweight D	On sight unpacked	253	140	38	1,35	5.950	5.950
Packages 6/9	Counterweight F1 & F2	On pallet	170	150	115	2,93	5.350	5.200
Packages 7/9	Vario Hook 50-3-18	On pallet	120	100	70	0,84	635	600
Packages 8/9	Spare wheel 445/95R25	On pallet	155	155	60	1,44	420	350
Packages 7/7	Box with accessories	Box	245	88	92	1,98	420	300



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