

DEMAG AC 100-4 ALL TERRAIN CRANE 100T

Basic crane comprising:

Engine 340-4; Euromot 4/Tier 4F	Mercedes-Benz OM471LA; Diesel engine; 340kW / 1700 1/min (462 HP); torque 2200Nm / 1300 1/min; The engine complies with Euromot 4 / Tier 4F; MTU exhaust system cpl. stainless steel with SCR catalyzer
Fuel tank carrier	Fuel tank 410l Diesel (no RME/ Bio-Diesel); 40l Tank for AdBlue
Transmission ZF-AS	ZF AS-Tronic; Automated gearbox, 12 forward speeds and 2 reverse; 2-stage transfer case with switchable longitudinal lock
Axles 8x4x8	8x4x8; 4 axles, axles 1 & 4 driven, equipped with selectable transverse lock; All 4 axles steered
Suspension	Hydropneumatics 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 385/95 R25 (14.00R25)	Wheels 385/95R25 (14.00R25); Steel rim 9,5-25/1,7"; TechKing ETCRANE 170F; or similar
Pneumatic tire filling plug	Pneumatic tire filling plug for self-filling 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
Heating carrier	Engine-dependent warm water heating with 12kW heating power
Tachograph	Tachograph; Speed indication; Tracking according to country- specific regulations
Fire extinguisher	With holder in carrier cabin
Electronic immobilizer system	Prevents uncontrolled carrier mobilization; Incl. 3 ignition keys with transponder and 2 ignition keys without transponder
Drive lights	With low beam, upper beam, daytime running lights

Illumination	2 x work lights on outriggers left, 2 x work lights on outriggers right
Rotary beacons	2 x LED 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 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 compartments integrated in topside of the carrier for lifting accessories partially lockable; Lockable sideways compartments
Heavy-duty batteries	HD-batteries for optimal battery performance even under HD usage; Suitable for cold start
Jump starting device	Jump starting device for carrier and superstructure according to NATO-standard; Enabling jump start by using 2nd engine or separate energy source
Contour safety marking	Continuous, reflecting bands at carrier sides and tail
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 TADANO-DEMAG	Single basecoat, topcoat in TADANO-DEMAG-Blue Yellow, chevron warnings in red-white
Standard acceptance	Standard acceptance test for carrier
Superstructure	
Telescopic boom HA60	12.0m - 59.4m; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 4 sheaves integrated in boom head for max. capacity of 52.1t
Boom luffing	Single luffing cylinder with automatic lowering brake valve
Rotary drive	Single slewing gear unit with spring-loaded multi-disc brake
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator)
Counterweight 19.3t	Counterweight 19.3t, 5-pieces (a-e); automatic rigging system; Expandable to max. 24.5t; 4.3t fixed at crane tail
Engine 129-4; Euromot 4/Tier 4F	Mercedes-Benz OM934LA; 129kW / 2200 1/min (175HP), torque 750 Nm / 1200-1600 1/min; The engine complies with Euromot 4 / Tier 4F; MTU exhaust system cpl. stainless steel with SCR catalyzer

Fuel tank superstructure	Fuel tank 200l Diesel (no RME/ Bio-Diesel); 25l Tank for AdBlue
Control system	Enabling 4 simultaneous working movements; electric pilot controls via 2 two-axis joysticks
Operator aids	IC-1, with integrated load moment indicator acc. EN13000; Colour display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger
Hook height indication H1	Displaying and programmability of the hook height H1 by IC-1
Cab superstructure	Type 0.875m; Tilt variable 16°; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; pull-down sun visor and light curtains; Radio- preparation
Anemometer	Disconnect able, to allow use with all extensions
Illumination	1x work light for prefield at superstructure cab
Rotary beacons	2x disconnect able on Superstructure tail

Options integrated:

VarioHook 50-3B-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		1	-
107-300-92	Hook 8-0V-E-170	8-0V-E (170kg); single hook with vertical swivel; red	1	-
107-310-12	Additional central sheave on main boom head	1x additional sheave on main boom head; For total 5 sheaves on boom head; Max. lifting capacity of 64.5t	1	-
102-000-12	Engine 335-3 / 129-3; Euromot 3a/Tier 3	For carrier: Mercedes- Benz OM460LA; 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) For superstructure: Mercedes-Benz OM924LA; 129kW (175HP) at 2200 1/min, torque 675Nm at 1200 1/min; The engine complies with Euromot 3a, EPA Tier 3 and Carb regulations; Exhaust system cpl. stainless steel, with spark arrester Fuel tank superstructure 220l Diesel (no RME/ Biodiesel) Attention: If option 'Wheels 445/95 (16.00R25)' or 'Wheels 525/80 (20.50R25)' will be selected in combination, option 'Wear-free auxiliary brake' is required. If option '1 stage transfer case' is selected, option 'Wear-free auxiliary brake' is not required	1	-

102-040-12	Wear-free auxiliary brake	Eddy current brake (Telma) to increase the braking power, especially when towing a trailer	1	-
102-240-12	Central lubrication carrier	Central auto lube for all lubrication points at carrier	1	-
102-180-12	Radio carrier	Digital radio with USB input, Aux-In and Bluetooth® connection	1	-
102-200-12	Air-condition carrier	Air-condition for carrier cab with 7KW cooling power	1	-
107-010-12	Additional counterweight 5.2t			Additional counterweight 5.2t, two pieces; For max. 24.5t counterweight with 7- pieces