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Pricing and Availability: Tadano / Model: AC 7.450-1



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Metcalf Cranes
Tim Metcalf

Reference No. : 21-12-02-metcal-ac7.450-1-dean
Your contact : Howard Dean
Phone: 0409 181 083
Email: howard.dean@tadano.com

Issue Date: 9/02/2022
Valid till date : 1/03/2022

Serial no.:
Order no.:
Delivery date :

Pricing and Availability: Tadano / Model: AC 7.450-1

Dear Tim,

We are pleased to present for your consideration the following pricing and availability on our Tadano All Terrain Crane AC 7.450-1 equipped and priced as per the attached sheets. Because this form is non-binding and the ship date is subject to availability, please transmit your order within the next 30 days from the date of this document.

Your order is subject to Tadano – Terms and Conditions of Sales and Service.

Tadano Service Technicians can be made available for assistance in erection and operator familiarization. Please contact your Tadano Representative for additional information.

We would like to thank you for your consideration of the Tadano product line for your application.

For any further information you might request, we are at your complete disposal.

If you have any questions please call us.

Yours faithfully

Howard Dean

National Heavy Lift Sales Manager

A handwritten signature in black ink, appearing to read 'H. Dean'.

Tadano

Crane Model: AC 7.450-1

2022-02-09

Basic crane comprising:

Carrier

Engine 460-5; EU Stage V / Tier 4F

Mercedes-Benz OM473; Diesel engine; 460 kW/ 1600 1/min (617 HP), torque 3000 Nm / 1300 1/min; The engine complies with EU Stage V / Tier 4F; Exhaust system cpl. stainless steel with SCR catalyzer

Fuel tank

Fuel tank 600l Diesel (no RME/ Bio-Diesel); 95l Tank for AdBlue

Transmission G280-16TRC

Mercedes-Benz G280-16TRC ; Automated gearbox with turbo retarder clutch; 16 forward speeds and 4 reverse; 1-stage transfer case with switchable longitudinal lock

Axles 14x8x14

14x8x14; 7 axles, axles 2, 3, 6 & 7 are driven and equipped with disengage able axle-differential lock; Axle 6 with a disengage able center-differential lock; All axles steered

Suspension

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

Steering

Dual-circuit steering system with independent rear axle steering; axles 1, 2, 3 mechanically connected, axle 5 and 6/7 electro-hydraulically connected, axles 6 and 7 mechanically connected, axle 4 stiff for road traveling; Active rear axle steering with different steering programs

Brakes

Pneumatic dual circuit service brake, acting on all wheels; Disc brakes; Hydraulic retarder integrated into transmission as wearless, sustained-action brake; Additional exhaust brake; Parking brake according to norms

Wheels 385/95 R25 (14.00R25)

Wheels 385/95R25 (14.00R25); Steel rim 9,5-25/1,7"; TechKing ETCRANE 170F; or similar; Incl. wheel nut indication

Pneumatic tire inflating plug

Pneumatic tire inflating plug for self-inflating of the wheels

Cab Carrier

Type 2,85m; Adjustable driver seat, armrests and pneumatic suspension; Steering wheel height and tilt adjustable; Seat heating driver's seat; Co-driver's seat; Power windows; Tinted glass; Power mirrors with heater; Fire extinguisher incl. holder

Radio carrier

Digital radio with USB input, Aux-In and Bluetooth® connection

Heating carrier

Engine-dependent warm water heating with 12kW nominal heating capacity

Air-condition carrier

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

Tachograph

Display of the speed and analogue recording as per country-specific regulations

Cruise control

Automatic speed control, automatic brake control, tempo set function

Rear view camera

Display in driver's cab; Cameras installed on rear of vehicle

Electronic immobilizer system

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

Battery disconnecting switch

Battery disconnecting switch for disconnection of the voltage source and the on-board power supply in carrier

Driving lights

Including low beams, high beams, daytime running lights, fog lights and cornering lights

Illumination

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

Rotary beacons

2x LED beacons on carrier cab

Central lubrication carrier	Automatic central lubrication system for the lubricating points on the chassis
Outriggers	H-4-Point design; Vertical and horizontal movement fully hydraulic; Automatic or manual levelling alternatively on both sides of carrier; 5 outrigger bases of 2,73m, 4,02m, 5,52m, 6,98m and 8,48m
Outrigger pads 038PA	4 round outrigger pads A=0,38m ² Polyamide, with transport position at vertical cylinder
Outrigger basis monitoring	Surveillance of each outrigger beam for detection of horizontal stroke; Warning in case of anomaly in 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
Trailer coupling front	Trailer coupling for maneuvering operations at front with manual fall bolt
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
Toolkit	Toolkit for light repairs and service
Jumper cable NATO-NATO 10m	10m long jumper cable with both-sided NATO-plug, adequate for use with any jump starting device with NATO-plugs
Stepladder	Loose stepladder for misc. assembly work; Incl. transport storage
Painting TADANO-BlueWhite	Single basecoat, topcoat in TADANO-BlueWhite, chevron warnings in red-white
Standard acceptance	Standard acceptance test for carrier
Superstructure	
Telescopic boom HA80	14,8m - 79,8m; Single cylinder telescoping system, automatic telescoping; Attachments for all equipment and extensions; 6 sheaves integrated in boom head for max. capacity of 134.3t
Boom luffing	1 luffing cylinder with automatic lowering brake valve
Rotary drive	1 slewing gear unit with spring-loaded multi-disc brake
H1	Hoist with spring-loaded multi-disc brake; Resolver (hoist rotation indicator)
CWT base frame 20t	CWT base frame 20t; Self rigging with semiautomatic rigging system, rigging storage on carrier front; Expandable to max. 150t
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; Color display; Displaying of current operating conditions, load charts, fault indicator; Signal lights indicating LMI-load; Crane data logger
IC-1 Plus (Asymmetric Outrigger Positioning)	Calculation of lifting capacity subject to outrigger base and slewing angle of superstructure; Incl. Automatic counterweight detection; I.a. makes it possible to work with asymmetrically extended outriggers; Note: for HA operation only

IC-1 Remote	Crane is equipped with IC-1 Remote
Working range limiter	Displaying and programmability of the work range limits by IC-1
Hook height indication	Displaying and programmability of the hook height H1 by IC-1
Hoist monitoring H1	Visualization H1 by a camera system; Displayed on additional screen for the hoist monitoring in superstructure cabin; Includes one floodlight pointing at the hoists (H1 and H2) and 2 manually adjustable floodlights on superstructure cab to illuminate the forefield area
Cab superstructure	Type 0,875m; Infinitely tilt variable 16°; Sliding windows in rear and side window; Fold-out front window; Extendable side pedestal, front pedestal; Handrails; Tinted safety glass; pull-down sun visor and light curtains; Seat heating
Radio superstructure cab	Digital radio with USB input, Aux-In and Bluetooth® connection
Engine-independent heating superstructure	Engine independent warm water heating with 5kW heating power
Air-condition superstructure cab	Air-condition with 5KW rated cooling capacity
Outrigger positioning from crane cabin	Outrigger positioning from crane cabin
Remote control	Control of rigging and superstructure operations via wireless remote control
Anemometer	Disconnect able, to allow use with all extensions
Positioning light	Disconnectable red LED beacon, to allow use with all extensions
Double work floodlight	Two adjustable LED floodlights, mounted at front of boom base section
Illumination	1x work light for prefield at superstructure cab
Rotary beacons	2x disconnect able on Superstructure tail
Central lubrication superstructure	Central lubricant distributor for luffing cylinder pins, hoist thrust bearing, slewing ring, and boom base pins
Painting TADANO-BlueWhite	Single basecoat, topcoat in TADANO-BlueWhite, chevron warnings in red-white
Standard acceptance	Standard acceptance test for superstructure
Documentation	Documentation includes 1x operating instructions digital and 1x printed, 1x lubrication and maintenance instructions digital and 1x printed, 1x spare parts catalogue digital, 1x load charts digital; Digital files delivered on USB stick

Standard Options:

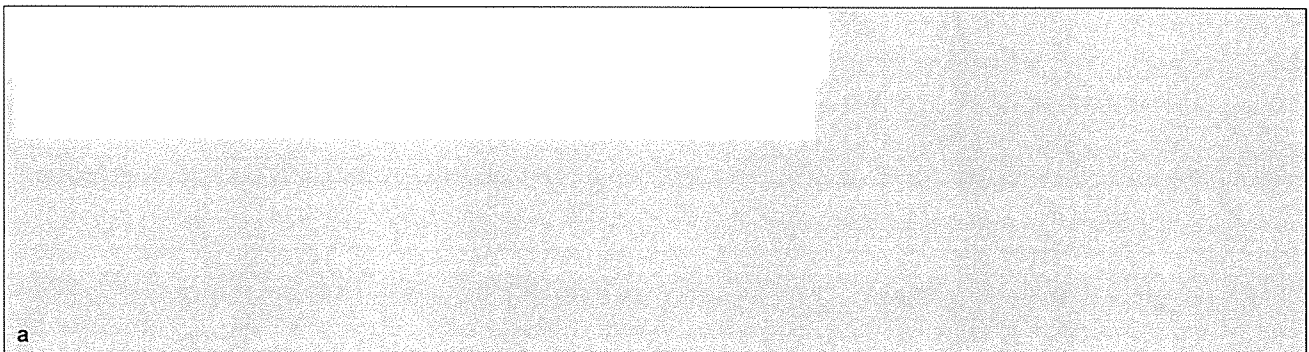
795-540-82	WIHI 81m	81m; Luffing jib with 3m increments incl. bridle; 3-sheave head; Enables configuration WIHI 24m - 81m, LF 8m - 59m; Attention: Option '2. hoist (H2)' and 'Fall-from-height protection system for counterweight and superstructure' required	1	-
795-570-62	Mech. offset section for F-A	Additional lattice jib section with mechanical offset 20° / 40° for F-A; Attention: Option 'WIHI 81m' or 'LF 59m' required	1	-
795-680-12	MS (Runner)	2m; Assembly jib with fixed angle, 2-sheaved for max. capacity 47t; Possible in combination with HA, LF, F-A and WIHI	1	-

797-301-12	Hook block 160t, 7-sheaves	Hook block type 160t for rope diameter 23mm; Max. capacity 155.1t; 1900kg; Double hook, red with white signal stripes; Note: 'Heavy lift attachment' required for maximum reeving (max. 14 parts of line)	1	-
797-300-32	Hook block 80t, 3-sheaves (DH)	Hook block type 80t for rope diameter 23mm; Max. capacity 80.3t; 1200kg; Double hook, red with white signal stripes	1	-
797-301-82	Hook block 40t, 1-sheave (SH)	Hook block type 40t for rope diameter 23mm; Max. capacity 35.1t; 900kg; Single hook, red with white signal stripes	1	-
797-320-12	Heavy lift attachment	3x additional sheaves; For total 9 sheaves at boom head; Max. lifting capacity of 195.5t; Note: Additional sheaves integrated in main boom head	1	-
792-000-92	Engine 460-3; ECE R96	Mercedes-Benz OM473; Diesel engine; 460 kW/ 1600 1/min (617HP), torque 3000 Nm / 1300 1/min; Engine complies with ECE R96 (equivalent to former regulation EU Stufe IIIA / Tier 3); Exhaust system cpl. stainless steel incl. spark arrester; Note: max. permissible sulfur tolerance of 500 ppm	1	-
792-170-12	Active tire pressure monitoring system	Active system with real-time tire pressure monitoring; makes it possible to reduce tire wear.	1	-
792-231-52	Chain box front	Storage box for crane equipment with top opening for lifting accessories; Attention: Not in combination with 'Hook block storage' and 'Engine-independent air-condition'	1	-
792-230-42	CombiBox Wide	2,60m wide; Storage box for crane equipment; Open compartment for lumber or ground mats; Encased compartment with top opening for lifting accessories on the rear; Incl. extended underride guard; Attention: Not in combination with 'Storage for outrigger mats rear' and 'Removable outrigger box rear'	1	-
792-380-12	Axle load display	Axle load display on screen in the carrier cabin	1	-
793-140-82	TADANO Surround View	360° view during road travelling; Speed dependent; Indication in display of carrier cabin. Usable as assistance system when entering jobsite with indication of outrigger positions and tailswing of counterweight	1	-
792-410-12	Additional rear lights	Additional floodlight for illuminating the area behind the crane; On/Off buttons in carrier cab	1	-
792-420-12	Side Lights	Lighting, facing backwards, on the sides of the crane, designed to enable the driver to see the crane's lateral limits in the mirrors when backing up. For work site operation only.	1	-
797-000-12	Additional counterweight 130t standard	Additional counterweight 130t; 12 x 10t and 2 x 5t; For max. 150t	1	-
797-100-12	CWT adapter frame (XL)	CWT adapter frame for increased cwt tailswing; Increase in lifting capacity especially when working with SSL	1	-
797-080-12	CWT rigging device	CWT rigging device for rigging of CWT slabs with quick connection in center of gravity of CWT slabs	1	-
793-050-22	2nd Hoist (H2)	2nd Hoist; Integrated in CWT base frame; Spring-loaded multi-disc brake; Resolver (hoist rotation indicator); Incl. quick couplings, hoist monitoring and 2. hoist limit switch	1	-

797-330-12	Rope twist prevention H1	Rope twist prevention for rope diameter d=23mm; Avoids rope twist hoist 1	1	-
797-330-22	Rope twist prevention H2	Rope twist prevention for rope diameter d=23mm; Avoids rope twist hoist 2	1	-
795-660-12	SSL (Sideways Superlift)	Sideways Superlift; Capacity increasing boom guy support; Incl. Fall-from-height protection system and transport stowage	1	-
793-290-12	HR (Hydraulic reeving winch)	Hydraulic winch for reeving assistance, also for easy reeving of bridle; Removable; Incl. Quick connections	1	-
793-140-62	Camera CWT tailswing	Camera covers the crane's CWT tailswing area	1	-
793-140-42	Load supervision camera	Camera mounted on main boom head to supervise the hook block from above; Incl. boom head light	1	-
795-820-12	Attachments for load supervision camera WIHI, LF, F-A	Attachments for load supervision camera enables to place the camera on WIHI, LF, F-A; Note: load supervision camera is not included and must be selected	1	-
793-140-52	Blind spot camera	Camera covers the crane's blind spot on the right; Attention: Can not be combined with Side mirror	1	-
795-040-12	Dolly preparation	Freewheel for slewing gear unit, luffing cylinder and accumulator for luffing cylinder, quick couplings for brake air & electrics (7 poles); incl. suspension for low axle loads	1	-
793-250-12	Holder for fire extinguisher	Holder for fire extinguisher at superstructure; Note: no fire extinguisher included	1	-
793-270-12	Fall-from-height protection system for counterweight and superstructure	Platforms, handrails and mast as fall down protection at the counterweight and superstructure; Note: Required for Netherlands; Note: Required for luffing jib operation	1	-
793-270-62	Fall-from-height protection WIHI 81m	Fall-from-height protection for manual operations on lattice parts of WIHI 81m	1	-
793-200-12	Emergency lowering system HY	Hydraulic interface on crane in accordance with BG (German employers' liability insurance association requirements) in case of engine failure; Makes it possible luffing, hoisting and slewing (no movements which increases the loadmoment); Emergency lowering System transformer not included; Optional emergency lowering System transformer required if not available; Can be worked e.g. via assist crane with hydraulic interface; Note: Incl. Donor Interface; Attention: Should not be offered together with Emergency override HY	1	-
793-200-32	Emergency lowering System Transformer	Transformer with hydraulic pump for Emergency lowering system HY operation up to 210bar; Required to connect the crane with an external energy supply (e.g. optional PowerPack or assist crane with hydraulic interface only)	1	-
793-200-22	Emergency override E	Separate electrical emergency control cable panel; Enabling to continue crane operation in case of electrical control system failure	1	-
792-070-12	Emergency stop device electric	Electric emergency stop device by switch; Note: Included in 'Refinery Kit'	1	-
799-160-12	CRANEbee with CAD interface by craniMAX GmbH	Software for lift planning with CAD interface (former CRANE MANAGER designer 3D) incl. 1 year software maintenance and update service contract; Software will	1	-

be provided by craniMAX GmbH; Note: Option 'Crane data for CRANEbee with CAD interface by craniMAX GmbH' recommended for usage with offered crane model

799-160-22	Crane data for CRANEbee with CAD interface by craniMAX GmbH	Crane data for usage of offered model in CRANEbee with CAD interface incl. 1 year software maintenance and update service contract; Crane data will be provided by craniMAX GmbH; Note: Option 'CRANEbee with CAD interface by craniMAX GmbH' not included	1	-
Special Options:				
792-150-42	Wheels 525/80 (20.50R25) Bridgestone - Aluminum rims	Wheels 525/80R25 (20.50R25); Aluminum rims; Bridgestone VHS 176F; Incl. carrier broadening to 3,12m instead of serial wheels	1	-
792-300-42	Spare wheel 525/80 (20.50R25) Bridgestone - Aluminum rim	Spare wheel 525/80R25 (20.50R25); Aluminum rim; loose without mount; Bridgestone VHS 176F	1	-
799-060-12	Jumper cable NATO-Clamp 5m	5m long jumper cable NATO-plug & battery clamp, adequate for use with any external power supply e.g. batteries	1	-
792-090-22	Adaption for left hand traffic	Additional components for travelling in left hand traffic	1	-
797-501-62	Customer painting multicolor	Max. 3-colored according to customer's choice; Incl. outrigger cylinder, counterweights only outer surfaces, drive train black/grey, aluminum rims (if applicable) will not be painted; Please note: No metallic coat, no clear coat, no fluorescent color, no pearl effect	1	-
797-500-22	Customer painting drive train	1-colored according to customer's choice; Incl. axle components, shafts and suspension	1	-
797-500-32	Customer painting counterweight	1-colored according to customer's choice; Counterweights fully painted	1	-
797-540-12	Conservation sea shipment	Conservation sea shipment	1	-
	Single Point dolly connection	Fabricated bracket welded to base boom	1	-



Optional Equipment:

- 4 axle dolly

GENERAL CONDITIONS

STANDARD PRICING:

The prices mentioned are net, FCA Metcalf Cranes Somerton Victoria , according to INCOTERMS 2010 and our Terms & Conditions of Sale, but excluding customs duties, erection and commissioning at destination and without any extra charges.

Price includes the paintwork, maintenance tools and standard accessories.

Local road registration costs are not considered within this quotation.

IMPORT DUTIES, TAXES, CHARGES, ETC.:

The payment of all taxes, duties, fees, import levies and other charges of any kind or description outside the country of origin of the supplier are not considered in our price and have to be paid by the buyer

PRICE VARIATION CLAUSE:

Because this form is non-binding and the ship date is subject to availability, please transmit your order within the next 30 days from the date of this quote.

PAYMENT:

5% deposit required to secure crane, Remainder of payment due on completed commissioning in Australia.

DELIVERY TIME:

Approx. Ex factory January / February 2023; subject to be in line with the Terms of Payment as mentioned above and subject to prior sale.

COMMISSIONING AND TRAINING:

Will be provided by authorized dealer/partner without extra cost to you for supervision of the erection and commissioning and training for the maintenance staff, at site for 10 days.

WARRANTY:

You will be granted a warranty of 2000 hours of operation, and not longer than 24 months, after receipt of a certificate confirming the date of arrival of franchise, however, max. 24 months from date of delivery from the factory.

DOCUMENTATION:

- 1 copies spare parts catalogue in English
- 1 copies operation, lubrication and maintenance manual in English

GENERAL:

In case alterations of the delivery should become necessary due to certain regulations in the buyer's country, the additional costs will be at buyer's account. Such regulations in the buyer's country will have to be brought to our knowledge in due time before placing the order.

The stated equipment will be subject to the terms and conditions stipulated in our bid and subject to "Tadano – Terms and Conditions of Sales and Service" attached.

Any collateral and/or revisions shall only be deemed valid if and as reduced to writing and confirmed by the suppliers.

We trust that you will find this information in alignment with your requirements and look forward to receiving your order which, Tadano Holding assures you, will have the best attention with regard to workmanship and execution.

Yours faithfully,

Howard Dean



Tadano Oceania

Tim Metcalf