



300

616 Trade Ace



* illustration contains genuine accessories not fitted to standard Trade Ace model

KEY FEATURES

- Alloy Tray with Ladder Racks
- Wide Cabin
- Dual SRS Airbags
- ABS Brakes with Electronic Brakeforce Distribution
- Easy Start – Take Off Assist
- 6-speed Fully Automatic Model Option
- Ventilated Disc Brakes
- Corner Turning Lamps
- Energy Absorbing Steering Wheel

KEY SPECIFICATIONS

- GVM.** 5500kg (optional 4495kg)
- GCM.**9000kg (optional 7995kg) 7300kg (Auto)
- Power** 110kW @ 2700rpm
- Torque.** 397Nm @ 1800rpm
- Transmission options** .5-speed manual or 6-speed auto
- Wheelbase** 3430mm





616 Trade Ace

Engine & Driveline specifications

ENGINE

Model	Hino N04C TV
Max. output (ISO NET)	110kW (150 PS) at 2700rpm
Max. output (JIS GROSS)	114kW (155 PS) at 2700rpm
Max. torque (ISO NET)	397Nm (40.5kgf/m) at 1800rpm
Max. torque (JIS GROSS)	404Nm (41.2kgf/m) at 1800rpm
Max. engine speed	3200rpm
Type	Diesel, four cycle, four-cylinder in line, overhead valve, water cooled
Combustion system	Direct injection with EGR
Bore & stroke	104 x 118mm
Piston displacement	4.009 litres
Fuel injection system	Electronic control, common rail type
Air intake system	Turbo-intercooled, stack-type air intake
Air cleaner	Paper element
Fan clutch	Equipped
Exhaust	Horizontal outlet

CLUTCH

Clutch type	Dry single plate, diaphragm type with damper springs
Facing outside diameter	325mm
Facing lining area	483 x 2cm ²
Control	Hydraulic with vacuum booster

TRANSMISSION

Manual	M550
Type	Five-speed overdrive manual
Auto	A860E
Type	Six-speed electronically controlled overdrive automatic with torque converter lock-up on 2nd, 3rd, 4th, 5th and 6th gears
Hill Descent Control	Equipped

BRAKES

Service brakes	Hydraulic system with ventilated disc brakes front and rear
Control	Vacuum servo with hydraulic assist & dual circuits
Front disc diameter	296mm
Rear disc diameter	281mm
Anti-lock system (ABS)	Equipped
Electronic Brakeforce Distribution (EBD)	Equipped
Easy Start system	Equipped (Manual model only)
Exhaust brake	Electric-vacuum actuator with valve in exhaust pipe

PERFORMANCE & GEAR RATIOS

	Manual	Auto
Maximum speed (km/h)	120	127
Gradeability tan θ %	52.1	60.0

M550

1st	4.981	4th	1.000
2nd	2.911	5th	0.738
3rd	1.556	Rev	4.625

A860E

1st	3.742	5th	0.773
2nd	2.003	6th	0.634
3rd	1.343	Rev	3.697
4th	1.000		

Final drive ratio (Manual)	4.875:1
(Auto)	5.375:1

AXLE LOAD & TYRE LOAD LIMITS

Front axle	2600kg
Tyres	2360kg
Rear axle	4400kg
Tyres	4480kg
Front axle type	Reversed Elliot, "I" section beam
Rear axle type	SH12 full-floating, single reduction, single speed by Hypoid gears

SUSPENSION

Front suspension	Semi-elliptic tapered leaf springs with silencers, shock absorbers and stabiliser bar
Spring dimensions, span & width	1250mm x 70mm
Rear suspension	Semi-elliptic main and auxiliary tapered leafsprings with silencers and shock absorbers
Spring dimensions, span & width	1300mm x 70mm
Auxiliary springs	900mm x 70mm

WHEELS & TYRES

Wheel type	5-stud disc wheel
Wheel & rim size	195/85R16 114/112 & 16x5.5K-113mm
Number of tyres	Seven including spare
Spare tyre carrier	Equipped

ELECTRICAL

Type	24 volt, negative earth
Batteries	12V x 2, series connected
Alternator type	Built-in rectifier and voltage regulator
Capacity	24V – 60-A
Starter capacity	24V, 4.5kW

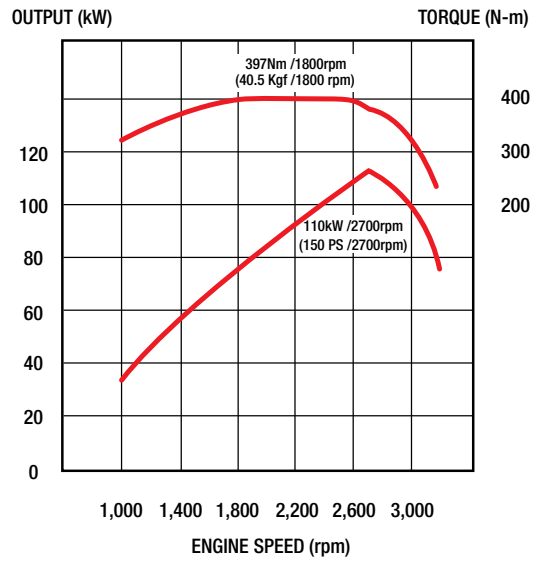


616 Trade Ace

Cab, Instrumentation & Chassis



POWER & TORQUE CHART (ISO Net) N04C TV



CHASSIS FRAME

Type	Ladder-shaped channel section side rails
Chassis width at rear	750mm
Max. section (depth x flange x thickness)	191 x 65 x 5.0mm
Tensile strength	540N/mm ²
Towing hooks	Equipped at front and rear
Front bumper	Painted to cabin colour

CAB EXTERIOR

Type	Forward control, all steel welded construction, torsion-bar tilt mechanism, fully trimmed
Windscreen wipers	Electric, dual wipers, intermittent and 2-speed
Outside rear mirrors	Two, movable flat type
Radiator grille	Painted same colour as cabin
Lamps	Halogen headlamps, cornering lamps, fog lamps

TRADE ACE BODY DETAILS

Body	Alloy
Length	4500mm
Width	2100mm
Tray floor load rating	4000kg
Rope rails	40 x 3mm
Racks	65 x 5mm (middle & rear removable)
Total 3 rack load rating	350kg
Double drop side	Removable
Single drop rear gate	Removable
Alloy mesh head board	Equipped
Side steps	Alloy

INSTRUMENTS

1. Meter and gauges

- km-kg system
- Speedometer with odometer and 2 trip meters
- Fuel gauge
- Coolant temperature gauge
- Engine tachometer

4. Others

- One-key starting-stopping
- Horn button
- Remote keyless entry

2. Warning, pilot lamps and buzzers

- Turning signal & hazard indicator lamp
- Exhaust brake indicator lamp
- Engine oil pressure warning lamp
- Battery charge warning lamp
- High beam indicator lamp
- Parking brake indicator lamp
- Engine malfunction indicator lamp
- Fuel level warning lamp
- Fuel filter water accumulating level warning lamp
- Brake fluid level warning lamp
- Back-up warning buzzer
- Cab-tilt warning lamp
- ABS system failure warning lamp
- SRS airbag system failure warning lamp
- Easy Start indicator lamp (manual model only)

3. Switches

- Lighting switch
- Directional indicator, dimmer, passing
- Room lamp switch
- Hazard lamp switch
- Wiper and washer switch
- Exhaust brake switch
- Easy Start switch (manual model only)
- Easy Start release timing adjuster switch (manual model only)



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616 Trade Ace Dimensions



DIMENSIONS - mm / Capacities

Model	HINO 616 Trade Ace	Manual	Auto
Production code	XZU417R-HKMMDQ3 TA	X2U417R-HKTMDQ3 TA	
Wheelbase (WB)	3430	3430	
Overall length (OL)	6120	6120	
Overall width (OW)	1995	1995	
Overall height (OH)	2185	2185	
Cab to rear axle centre (CA)	2840	2840	
Rear overhang (at frame end) (ROHF)	1045	1045	
Front chassis height (HF)	1645	1645	
Rear chassis height (HR)	675	675	
Road clearance (at diff. case) (RC)	185	185	
Turning circle kerb to kerb	11.6	11.6	
Turning circle wall to wall	13.0	13.0	
Chassis mass – kg (standard tools, 10 litres of fuel, without spare tyre)			
Total	2545	3605	
Front	1560	1610	
Rear	985	995	
GVM	5500	5500	
GCM	9000	7300	

GENUINE ACCESSORY OPTIONS

Bull bar	Rear vision camera
Chrome grille	Roof scoop
Chrome wheel covers	Stoneguard
Foot well liners	Sunvisor
Electric mirror kit	Weathershield

Please check with your dealer for price, availability & fitment for these options.

WARRANTY

New vehicle warranty period

Light Duty Model	Axle configuration	Standard warranty (whichever comes first)	Cab corrosion perforation
300 616 Trade Ace	4x2	3 years or 100,000km	36 months

Battery warranty – 12 months from date of delivery

Genuine parts or accessories warranty – 3 years unlimited kilometres when fitted by an authorised Hino dealer *

* For conditions, refer to the Hino Parts & Service warranty brochure

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