

PRELIMINARY
SPECIFICATIONS

VANTiA TBR30-50N2 Series

TOW TRUCKS

3.0 - 5.0 tonnes

**HARNESS THE POWER
MAXIMISE YOUR POTENTIAL**

When it comes to pulling power, nothing quite compares to our VANTiA range of tow tractors. Strong, yet super smart and precise, it's the tow tractor you need to get the job done... wherever and whatever that job may be.

SPECIFICATIONS

TBR30N2

TBR50N2

**WHEN
RELIABILITY IS
EVERYTHING...**



Logisnext 
Forklifts

VANTiA

TBR30-50N2 SERIES

TOW TRUCKS

3.0 - 5.0 tonnes



Powerful, clean-running and absolutely versatile, VANTiA is just as suitable for a high-intensity factory, as it is for ones which demand cleanliness.

Our 3.0 and 5.0 tonne models are packed with intelligent features, such as our highly intuitive SDS technology. Uniquely, it tunes the truck's performance with your driver's for harmonious productivity.

Best of all, VANTiA is cheap to run, thanks to its exceptional efficiency which is 14% higher than the leading competitor.

It is available with a variety of versatile coupling solutions for effortless trailer handling.

DRIVE

- **Class-leading energy efficiency** (14% lower than nearest competitor) ensures running costs are kept to a minimum.
- **Powerful drive motor** provides excellent traction and adjustable acceleration, deceleration and brake force, for smooth, quiet, controlled operation, extended shift length and lower maintenance requirements.
- **Sensitive Drive System (SDS)** senses faster or slower operator control movements and adjusts truck performance accordingly, contributing to safety and driver performance.
- **Adaptive steering system** ensures truck performance matches operator needs – whether travelling in reverse or at speed – for calm, smooth and precise operations.



OPERATOR ENVIRONMENT AND CONTROLS

- **Flying start technology** shortens acceleration time for ultimate picking productivity.
- **Super-grip floor** is non-slip ensuring operators are safe, for confident operations.
- **Triple-suspension floating floor** with sideways dampening and advanced cushioning, reduces microvibrations for exceptional operator comfort.
- **Perfectly-angled footrest** ensures optimal positioning of foot and ankle for drivers of all heights.
- **Easy-access platform** features low step height and chamfered edges – minimising trip hazards for easy on/off access.
- **Next generation Maxius steering wheel** absorbs vibrations and shocks to ensure class-leading ergonomics.
- **Optional clear colour display** alerts operators and service engineers to potential problems: avoiding damage, while enhancing safety and encouraging good maintenance.
- **Automatic tow coupling** immediately locks the truck and trailer once they are positioned, while an additional manual decoupling option enables release without leaving the operator compartment. (Option)
- **Manual tow coupling** with versatile and adjustable pin for fast and easy trailer handling.

FRAME AND BODY

- **Robust design** benefits from extensive testing – including safety certification – for lower service costs and enhanced safety.

ELECTRICAL AND CONTROL SYSTEMS

- **Full electronic steering** with no steering wheel kickback gives precise control for optimum productivity, efficiency and safety.

STEERING SYSTEM

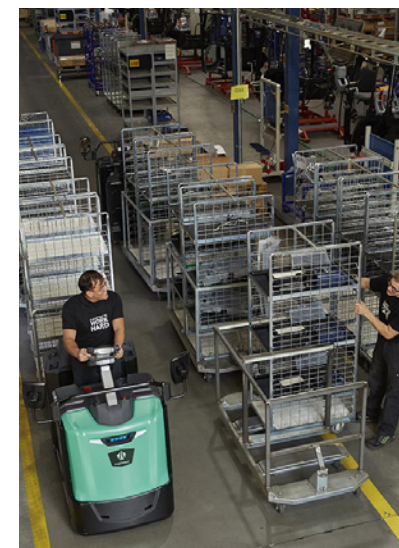
- **Advanced electric steering** allows precise control at all speeds, with automatic speed reduction in curves and automatic drive wheel centring.
- **Small turning circle** together with responsive steering and compact chassis results in exceptional manoeuvrability.

BRAKES

- **Automatic speed reduction** at corners improves safety.
- **Regenerative braking** gives effective control, with no brake wear, and extends shift life.

OTHER FEATURES

- **Rapid access features** give quick and easy entry to all areas for checks and maintenance.
- **600 hour service interval** reduces downtime and service costs.



For more information on VANTiA please visit our website



lnf2.eu/vantia



VANTIA

OPTIONAL LI-ION BATTERY SYSTEMS

MAKE YOUR FORKLIFT GO EVEN FURTHER



Lead-acid batteries have been the standard choice for electric lift trucks for decades, and for good reason — they work. But long charging times, demanding maintenance, the need for spare batteries, and the risk of operator misuse can turn day-to-day running into a drag on productivity.

Logisnext Li-ion changes that equation. We don't build one Li-ion battery and apply it to all situations. Whatever your operation looks like, from continuous multi-shift running to lighter, more occasional duty, there's a Logisnext Li-ion battery specified to match it, with a low-maintenance design that all but eliminates the cell damage caused by operator error.

Where a Li-ion option existed before, it typically came from a third-party battery supplier — with its own warranty, its own diagnostics, and its own service relationship running alongside the truck's. Logisnext Li-ion is different: a proprietary Li-ion power unit engineered specifically for Logisnext Forklifts, where the truck, the battery, the onboard battery management system and the charger are run on one diagnostic software, supported by one service technician, and covered by Logisnext warranties.



Li-ion battery option is available in selected regions.

Continuing improvement may lead to changes in these specifications

- **One warranty provider, one service tech**
Truck, battery, onboard battery management system, and charger are covered by a Logisnext warranties and diagnosed through one system — not separate suppliers with separate contracts to chase when something needs attention.
- **Gas-emission free and space-efficient operation**
No off-gassing means no dedicated ventilation or charging room, freeing up floor space you'd otherwise lose to lead-acid infrastructure.
- **Exceptional battery and charger efficiency**
State-of-the-art cell and charger technology delivers up to 30% more power efficiency than lead-acid batteries.
- **Maintenance-free design**
No daily checks, no water refills. Fewer manual touchpoints means less risk of operators damaging cells and shortening battery life.

Fully integrated with Logisnext Forklifts

CANbus communication and automatic ON/OFF synchronisation link battery and truck as one system. Battery level, notifications, and alarms all appear directly on the truck display, giving operators a clear, single point of reference.

- **No spare batteries or charging room needed**
Free up space and cut costs on multi-shift operations, without the extra batteries lead-acid fleets depend on.
- **Quick charge capability**
A 15-minute top-up during breaks or downtime keeps a truck running for longer, improving productivity.
- **Higher sustained voltage**
Consistent lifting and driving performance from the first hour of a shift to the last, with none of the power drop-of lead-acid.
- **Multiple safety features**
Circuit protection, deep-discharge and overcharge protection, and individual cell temperature and voltage monitoring, all built in as standard.
- **Wide choice of battery and charger capacities.**
Power supply matched to the exact demands of your application, whatever the truck or the shift pattern.

Clean by design



With no emissions and no acid to manage, Logisnext Li-ion batteries suit sensitive environments: food production, packaging, and other spaces where cleanliness isn't optional.

For more information on Li-ion please visit our website



lnf2.eu/lin

VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS			
1.1	Manufacturer		
1.2	Manufacturer's model designation		
1.3	Power source		
1.4	Operator type		
1.5	Load capacity	Q	kg
1.7	Rated drawbar pull	F	N
1.9	Wheelbase	y	mm
WEIGHT			
2.1	Truck weight without load, with maximum battery weight		kg
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg
WHEELS, DRIVE TRAIN			
3.1	Tyres: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive / load side		
3.2	Tyre dimensions, drive side		mm
3.3	Tyre dimensions, load side		mm
3.5	Number of wheels, load/drive side (x=driven)		
3.7	Track width (center of tyres), load side	b11	mm
DIMENSIONS			
4.2b	Height	h1	mm
4.8	Seat- or stand height	h7	mm
4.12	Coupling height	h10	mm
4.19	Overall length	l1	mm
4.21	Overall width	b1/b2	mm
4.25	Outside width over forks (minimum/maximum)	b5	mm
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm
4.35	Turning radius	Wa	mm
PERFORMANCE			
5.1	Travel speed, with/without load		km/h
5.7	Gradeability, with/without load		%
5.10	Service brake		
ELECTRIC MOTORS			
6.1	Drive motor capacity (60 min. short duty)		kW
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah
6.5	Battery weight		kg
6.6a	Energy consumption according to EN 16796		kWh/h
MISCELLANEOUS			
8.1	Type of drive control		
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)
10.7.1	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB(A)
10.7.2	Whole-body vibration (EN 13 059:2002)		
10.7.3	Hand-arm vibration (EN 13 059:2002)		
10.8	Towing coupling design / DIN type, ref.		

1) other coupling heights available

2) See drive speed chart

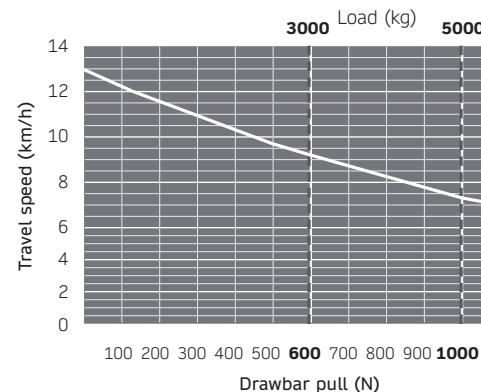
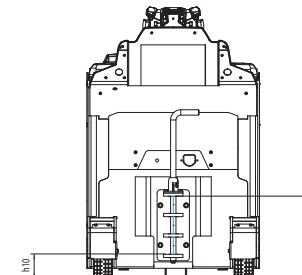
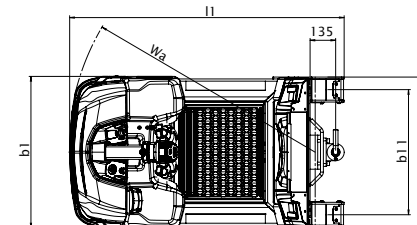
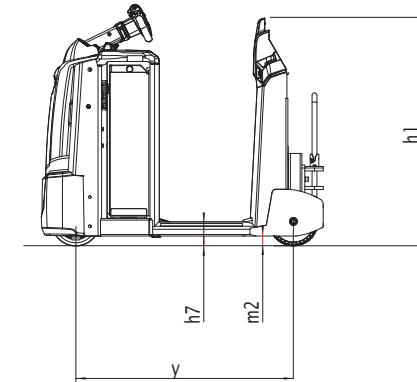
3) With 620Ah battery +100mm!

4) Inaccuracy of 4 dB(A)

Logisnext Forklifts	
TBR30N2	TBR50N2
Battery	Battery
Stand on	Stand on
3000	5000
600	1000
1120 ³⁾	1120 ³⁾
1106	1106
616 / 490	616 / 490
Vul/ Vul	Vul/ Vul
ø250	ø250
ø250	ø250
2/ 1x	2/ 1x
650	650
1173	1173
123	123
155 ¹⁾	155 ¹⁾
1450 ³⁾	1450 ³⁾
800	800
794	794
50	50
1306 ³⁾	1306 ³⁾
9.0 / 13.0 ²⁾	7.0 / 13.0 ²⁾
6 / 15	4 / 15
Electric	Electric
2.6	2.6
24/ 465-620	24/ 465-620
366 - 493	366 - 493
0.92	1.23
Steepless	Steepless
69 ⁴⁾	69 ⁴⁾
73 / - / - ⁴⁾	73 / - / - ⁴⁾
0.9	0.9

VANTIA TBR30-50N2 SERIES TOW TRUCKS

2.0 - 3.0 tonnes



STANDARD EQUIPMENT & OPTIONS

● = Standard
■ = Option

	TBR30N2	TBR50N2
GENERAL		
Multifunctional steering wheel (electric 200°)	●	●
Power ON/OFF by Key switch	●	●
Hourmeter & BDI	●	●
ECO/PRO mode	●	●
High drive speed 13 km/h (without load)	●	●
Drive speed reduction in curves	●	●
Maximum drive speed adjusted according to load weight	●	●
Floor mat acting as dead man's pedal	●	●
Crane battery change	●	●
Polyurethane wheels	●	●
Suspended operator's platform	●	●
Hill hold	●	●
Automatic parking brake	●	●
POWER SOURCE		
Li-Ion battery*	■	■
Lead-acid battery	■	■
TRAILER COUPLING		
Manually operated plug coupling, pin diameter 25mm	■	■
Manually operated plug coupling, pin diameter 22mm	■	■
Automatic coupling, pin diameter 25mm	■	■
Automatic coupling with ergonomic unlocking handle, pin diameter 25mm	■	■
No trailer coupling	■	■
TRAILER INTERFACE		
Electrical 4-pin Trailer socket connection of trailer	■	■
Electrical 7-pin Trailer socket connection of trailer	■	■
Auxiliary hydraulics for hydraulic coupling of trailer	■	■
ENVIRONMENT		
Cold store design, 0C° to -35C°	■	■
DRIVE CONTROLS		
Walk beside drive button in backrest, FWD/BWD	■	■
SAFETY		
Blue point safety light towards driving direction	■	■
Red point safety light towards driving direction	■	■
Driving light towards driving direction	■	■
Rear working light	■	■
Wide rear view mirrors	■	■
Warning strobe, yellow	■	■
Drive alarm (programmable)	■	■
Fire extinguisher	■	■

PREMIA^{EX} TBR30-50N2 SERIES TOW TRUCKS

2.0 - 3.0 tonnes

	TBR30N2	TBR50N2
WHEEL OPTIONS		
Polyurethane traction and load wheels	●	●
Power friction traction wheel	■	■
Solid rubber traction wheel	■	■
Treaded Super-Elastic rear wheels	■	■
Solid rubber rear wheels	■	■
OUTLOOK		
Special RAL colour on front machinery steel cover	■	■
OTHER OPTIONS		
PIN code access with BDI display	■	■
PIN code access with colour display	■	■
Colour display without PIN code access	■	■
Accessory rail in front	■	■
Scanner holder	■	■
Equipment holder (RAM mountings)	■	■
Wrapping holder	■	■
Rear grab handle on backrest	■	■
Sideways battery change	■	■
Clipboard, A4	■	■
Front storage boxes	■	■
Storage folder on bottom of the platform	■	■
Back cushion, tiltable to seat position for back & feet rest. Adjustable in height.	■	■
Power supply, 12 V	■	■
Power supply, USB 5 V	■	■
Heavy duty front nylon strip covered bumper	■	■
Raised front guard plate	■	■

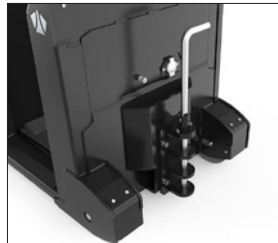
* Li-ion battery option is available in selected regions.



Multifunctional steering wheel.



Suspended operator's platform.



Automatic coupling with ergonomic unlocking handle



Blue point safety light towards driving direction.

WHEN RELIABILITY IS EVERYTHING...

Like any product bearing the Logisnext Forklifts name, our materials handling equipment is backed by the engineering expertise, global resources, and continuous innovation of Logisnext — a leading group dedicated to materials handling and intralogistics.

Logisnext brings together advanced truck design, energy solutions, and connected technologies to help businesses move goods more safely, efficiently and reliably... day after day, year after year.

So when we promise you quality, reliability and value for money, you know it's a guarantee we can deliver.

That's why every model in our award winning and comprehensive range of lift trucks and warehouse equipment is built to a high specification — to ensure it keeps working for you. Whatever the job. Whatever the conditions.

You'll never work alone

As your local authorised distributor, we are here to keep your trucks working, through our extensive experience, our technical excellence, and our commitment to customer care.

We are your local experts, backed by the wider Logisnext Forklifts organisation and the connected support of the Logisnext group.

No matter where you are, help is close by.



VANTIA
SENSE. ADAPT. PERFORM.



VANTIA reads how your operators drive and adjusts the truck to suit, in real time. Smoother control, safer runs, consistent results.

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Specifications are indicative and may vary depending on operating conditions. Failure to assess all factors may result in performance deviations.

All relevant sales support materials and technical expertise of the official distributor must be considered when identifying the best product/solution. Options and technical details may change without notice. Full legal notice and up-to-date product information: logisnext-forklifts.eu

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