

VANTiA

TOW TRUCKS

3.0 / 5.0 tons

HARNESS THE POWER... MAXIMIZE 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

TBR30
TBR50



WHEN
RELIABILITY IS
EVERYTHING...

VANTIA

TBR30 / 50N2 Series

TOW TRUCKS

3.0 / 5.0 tons



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 ton models are packed with intelligent features such as our highly intuitive SDS technology. Uniquely, it tunes the truck's performance with your operators for harmonious productivity.

Best of all, VANTiA is very cost-friendly, thanks to its exceptional efficiency which is 14% higher than other leading competitors.

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

DRIVE

- **Excellent energy efficiency** ensures operating 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 confident and comfortable operator performance.
- **Adaptive steering system** ensures truck performance matches operator needs – whether travelling in reverse or at speed – for smooth and precise operations.



OPERATOR ENVIRONMENT AND CONTROLS

- **Flying start technology** shortens acceleration time for optimized picking productivity.
- **Super-grip floor** is non-slip which allows for confident operators, hence increasing productivity.
- **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 operators of virtually all heights.
- **Easy-access platform** features low step height and chamfered edges for easy on/off access.
- **Next generation Maxius steering wheel** absorbs vibrations and shocks to ensure excellent ergonomics.
- **Optional clear color display** alerts operators and service engineers of potential problems: avoiding damage, while encouraging good maintenance.
- **Automatic tow coupling (optional)** immediately locks the truck and trailer once they are positioned, while an additional manual decoupling option enables release without the operator having to leave the operator compartment.
- **Manual tow coupling** with versatile and adjustable pin for fast and easy trailer handling.

FRAME AND BODY

- **Robust design** benefits from extensive testing for lower service costs and enhanced durability.

ELECTRICAL AND CONTROL SYSTEMS

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

STEERING SYSTEM

- **Advanced electric steering** allows precise control, with automatic speed reduction in curves and automatic drive wheel centering.
- **Small turning radius** together with responsive steering and compact chassis provides exceptional maneuverability.

BRAKES

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

OTHER FEATURES

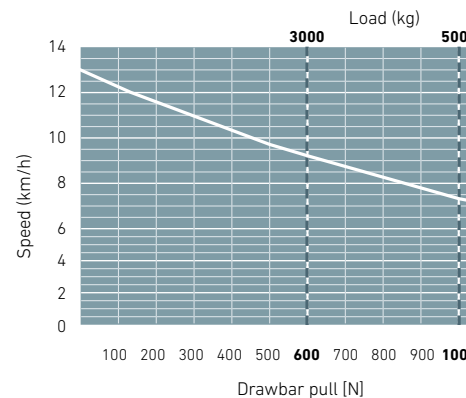
- **Rapid access features** give quick and easy access to truck componentry for checks and maintenance.
- **600 hour service interval** reduces downtime and service costs.



VDI - PERFORMANCE & DIMENSIONS

CHARACTERISTICS				Mitsubishi Forklift Trucks	Mitsubishi Forklift Trucks
1.1	Manufacturer			TBR30N2	TBR50N2
1.2	Manufacturer's model designation			Battery	Battery
1.3	Power source			Stand-on	Stand-on
1.4	Operator type			3000	5000
1.5	Load capacity	Q	kg	600	1000
1.7	Rated drawbar pull	F	(N)	1120 ³⁾	1120 ³⁾
1.9	Wheelbase	y	mm		
WEIGHT					
2.1	Truck weight without load, with maximum battery weight		kg	1106	1106
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	616 / 490	616 / 490
WHEELS, DRIVE TRAIN					
3.1	Tires: PT=Power Thane, Vul=Vulkollan, P=Polyurethane, N=Nylon, R=Rubber drive / load side			Vul/ Vul	Vul/ Vul
3.2	Tire dimensions, drive side		mm	ø250	ø250
3.3	Tire dimensions, load side		mm	ø250	ø250
3.5	Number of wheels, load/drive side (x=driven)			2/ 1x	2/ 1x
3.7	Track width (center of tires), load side	b11	mm	650	650
DIMENSIONS					
4.2b	Height	h1	mm	1173	1173
4.8	Seat- or stand height	h7	mm	123	123
4.12	Coupling height	h10	mm	155 ¹⁾	155 ¹⁾
4.19	Overall length	l1	mm	1450 ³⁾	1450 ³⁾
4.21	Overall width	b1/b2	mm	800	800
4.25	Outside width over forks (minimum/maximum)	b5	mm	794	794
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	mm	50	50
4.35	Turning radius	Wa	mm	1306 ³⁾	1306 ³⁾
PERFORMANCE					
5.1	Travel speed, with/without load		km/h	9.0 / 13.0 ²⁾	7.0 / 13.0 ²⁾
5.7	Gradeability, with/without load		%	6 / 15	4 / 15
5.10	Service brake			Electric	Electric
ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)		kW	2.6	2.6
6.4	Battery voltage/capacity at 5-hour discharge		V/Ah	24/ 465-620	24/ 465-620
6.5	Battery weight		kg	366 - 493	366 - 493
6.6a	Energy consumption according to EN 16796		kWh/h	0.92	1.23
MISCELLANEOUS					
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of driver according to EN 12 053:2001 and EN ISO 4871 in work LpAZ		dB(A)	69 ⁴⁾	69 ⁴⁾
10.7.1	Level of noise at the ear level of driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB(A)	73 / - / - ⁴⁾	73 / - / - ⁴⁾
10.7.2	Whole-body vibration (EN 13 059:2002)			0.9	0.9
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)

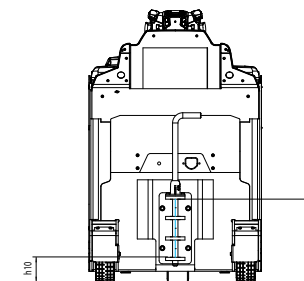
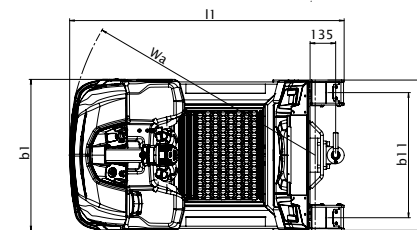
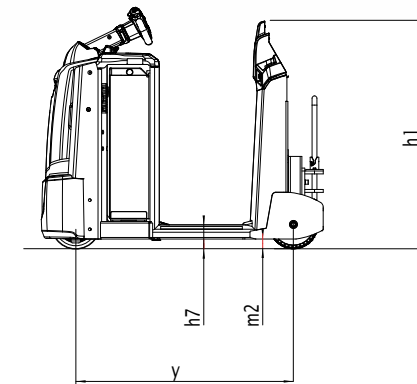


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TBR30 / 50N2

3.0 / 5.0 tons



STANDARD EQUIPMENT & OPTIONS

● = Standard
● = Option

	TBR30N2	TBR50N2
GENERAL		
Multifunctional steering wheel (electric 200°)	●	●
Power ON/OFF via Key switch	●	●
Hour meter & BDI	●	●
ECO/PRO mode	●	●
Maximum 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	●	●
Ramp hold	●	●
Automatic parking brake	●	●
POWER SOURCE		
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	●	●
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	●	●
AWARENESS		
Blue point safety light towards driving direction (forks trailing)	●	●
Driving light towards driving direction (forks trailing)	●	●
Rear working light	●	●
Wide rear view mirrors	●	●
Warning strobe, yellow	●	●
Drive alarm (programmable)	●	●
Fire extinguisher	●	●

WHEEL OPTIONS

	TBR30N2	TBR50N2
Polyurethane traction and load wheels	●	●
Power friction traction wheel	●	●
Solid rubber traction wheel	●	●
Treaded Super-Elastic rear wheels	●	●
Solid rubber rear wheels	●	●

OUTLOOK

	TBR30N2	TBR50N2
Special RAL color on front machinery steel cover	●	●

OTHER OPTIONS

	TBR30N2	TBR50N2
PIN code access with BDI display	●	●
PIN code access with color display	●	●
Color 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	●	●

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Multifunctional steering wheel.



Suspended operator's platform.



Manually operated trailer coupling



Automatic coupling with ergonomic unlocking handle



Blue point safety light towards driving direction (forks trailing).



Fire extinguisher

WHEN RELIABILITY IS EVERYTHING...



VANTiA
THE TEAM PLAYER

Always keeping operations one step ahead, VANTiA works closely with your operators (and their behaviours) to help you get the best results.

Powerful and intelligent, she's a real team player.

Like any products bearing "MITSUBISHI" on its product name our materials handling equipment benefits from the tremendous heritage, huge resources and cutting-edge technology of one of the world's largest corporations – Mitsubishi Heavy Industries Group.

Engineering spacecraft, jet planes, power plants and more, MHI specializes in those technologies where performance, dependability and superiority decide your success or failure...

So when we promise you quality, reliability and value for money, you know it's a guarantee we have the power to 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. Day after day. Year after year. Whatever the job. Whatever the conditions.

YOU'LL NEVER WORK ALONE

As your local authorized dealer, 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 efficient channels to the entire organization of Mitsubishi Forklift Trucks.

No matter where you are, we are close by – with the capability to meet your needs.

Discover how Mitsubishi Forklift Trucks give you more from your local authorized dealer or when you visit our website www.mitforklift.com

Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your distributor of Mitsubishi forklift trucks. We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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