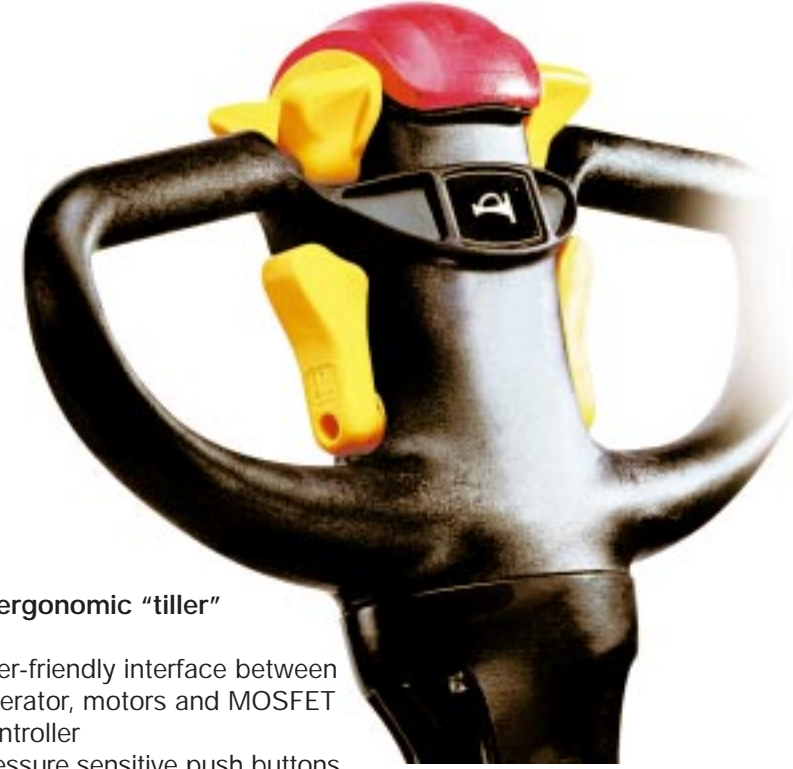


Our common features ...



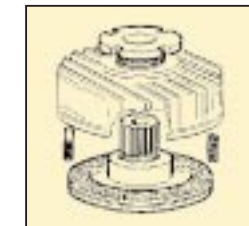
New ergonomic "tiller"

- user-friendly interface between operator, motors and MOSFET controller
- pressure sensitive push buttons with more than 2 million test cycles and IP 67 protection rating against dust and water splash, for lift, horn and ancillary functions, accessible both for left and right hand
- proportional lift/lowering lever on tiller head (option for MWS10/12)
- butterfly control for drive and brake system
- red, anti-crush button automatically stops the travel direction, when touched
- ability to drive the truck with the tiller in the upright position at reduced speed (option)



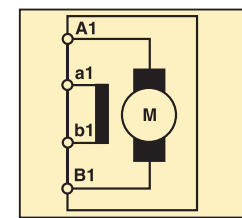
Electro-magnetic brake system

- mechanical parking brake function
- activates in upper and lower end of tiller angle



MOSFET transistor controller

- for drive and hydraulic motor
- for on-board diagnosis with memorisation
- with personalisation of functional parameters
- anti-roll back function



SEM motor

- no need for contactors forw/rev
- energy regeneration till standstill
- same output loaded / unloaded
- swift response time for precise operation
- reverse current braking



Combi-instrument and Keyswitch

- hourmeter, operating when truck is functioning
- battery discharge indicator, with lift lock-out
- fault code indication, for simpler maintenance/repair

MAINTENANCE INTERVAL = 1000 hours !!

Facts (approx.) ...

MWS 10/12 36.5	MWS 14/20 35.5
MWS 14/20F 38	Pallets per hour
MWS 10/12 300	MWS 14/20 360
MWS 14/20F 280	Pallets per charge
MWS 10/12 1.07	MWS 14/20 1.10
MWS 14/20F 1.40	Consumption in kWh

More choice

Electric Powered Stacker Truck MWS-1R

KOMATSU



Pedestrian Trucks

- Short runs - confined spaces

• Medium duty

MWS10/12-1R

Electric Pedestrian High Lift Stacker Truck

- 4-point contact design
- long tiller → lighter steering
- 1050/1200 kg @ 600 LC
- drive: 1 kW-KB 60'
- pump: 2.2-3.0 kW-KB 15%
- drive-lift speed (unloaded) 6 km/h - 280 mm/s
- outside width: 790 mm
- max. lift height: 4100 mm (1t) 4350 mm (1.2t)
- battery: 24V/ 140-200-300 Ah

• Heavy duty

MWS14/20-1R

Electric Pedestrian High Lift Stacker Truck

- 4-point contact design
- long tiller → lighter steering
- 1400/2000 kg @ 600 LC
- drive: 1.0 kW-KB 60'
- pump: 2.2-3.0 kW-KB 15%
- drive-lift speed (unloaded) 6 km/h - 260 mm/s
- outside width: 860 mm
- max. lift height: 5390 mm (1.4t) 4380 mm (2t)
- battery: 24V/240-315-375 Ah

Folding Platform Stacker

- Faster transport - more comfort

• Heavy-duty

MWS14/20F-1R

Electric High Lift Stacker Truck w. folding platform

- 4-point contact design
- electric power steering
- 1400/2000 kg @ 600 LC
- drive: 1.2 kW-KB 60'
- pump: 2.2-3.0 kW-KB 15%
- drive-lift speed (unloaded) 8.5 km/h -260 mm/s
- outside width: 860 mm
- max. lift height: 4470 mm (1.4t) 4380 mm (2.0t)
- battery: 24V/240-315-375Ah

Distributor :

Form No.MWS(R)-B-T-01/02
Printed in Belgium

KOMATSU
K-Division



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This brochure may contain attachments and optional equipment that are not available in your area. Please consult your KOMATSU FORKLIFT distributor for those items you may require. Materials and specifications are subject to change without notice.

MWS-1R
SERIES

POWERED STACKER TRUCK



Powered Stacker Truck
BROCHURE

The new Stacker Truck Warehouse material series

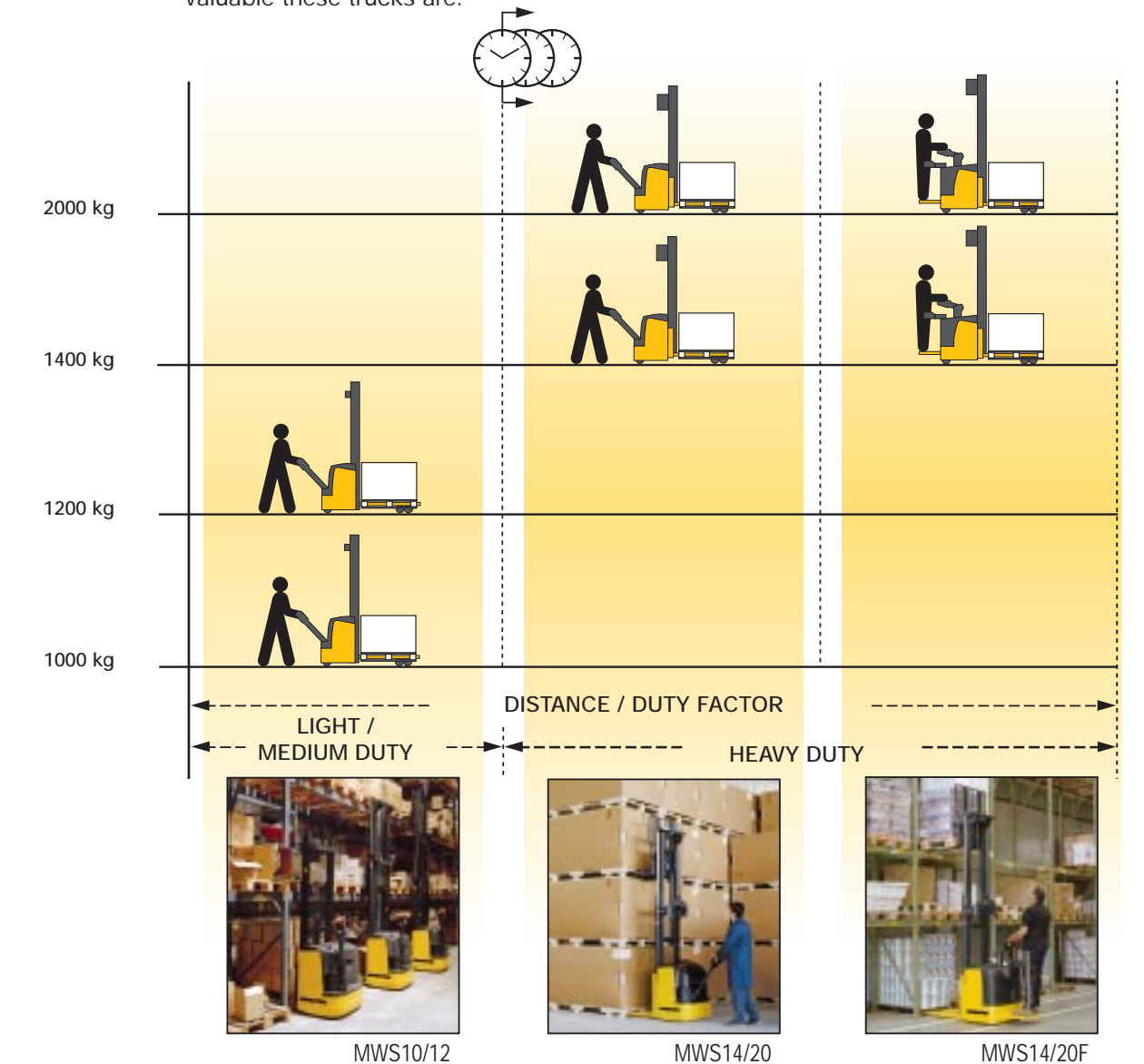
KOMATSU "Your single source for sales and service"

Technological progress is continually improving the quality of life thanks to constant new ideas and projects. Fundamental to this is the creation of new tools, improving our working environment.

The new series of KOMATSU stacker trucks is your best choice to contribute to this on-going challenge for efficient material handling, since it's bringing real benefits in terms of operating efficiency, user safety and certainly increased productivity even in the most difficult conditions.

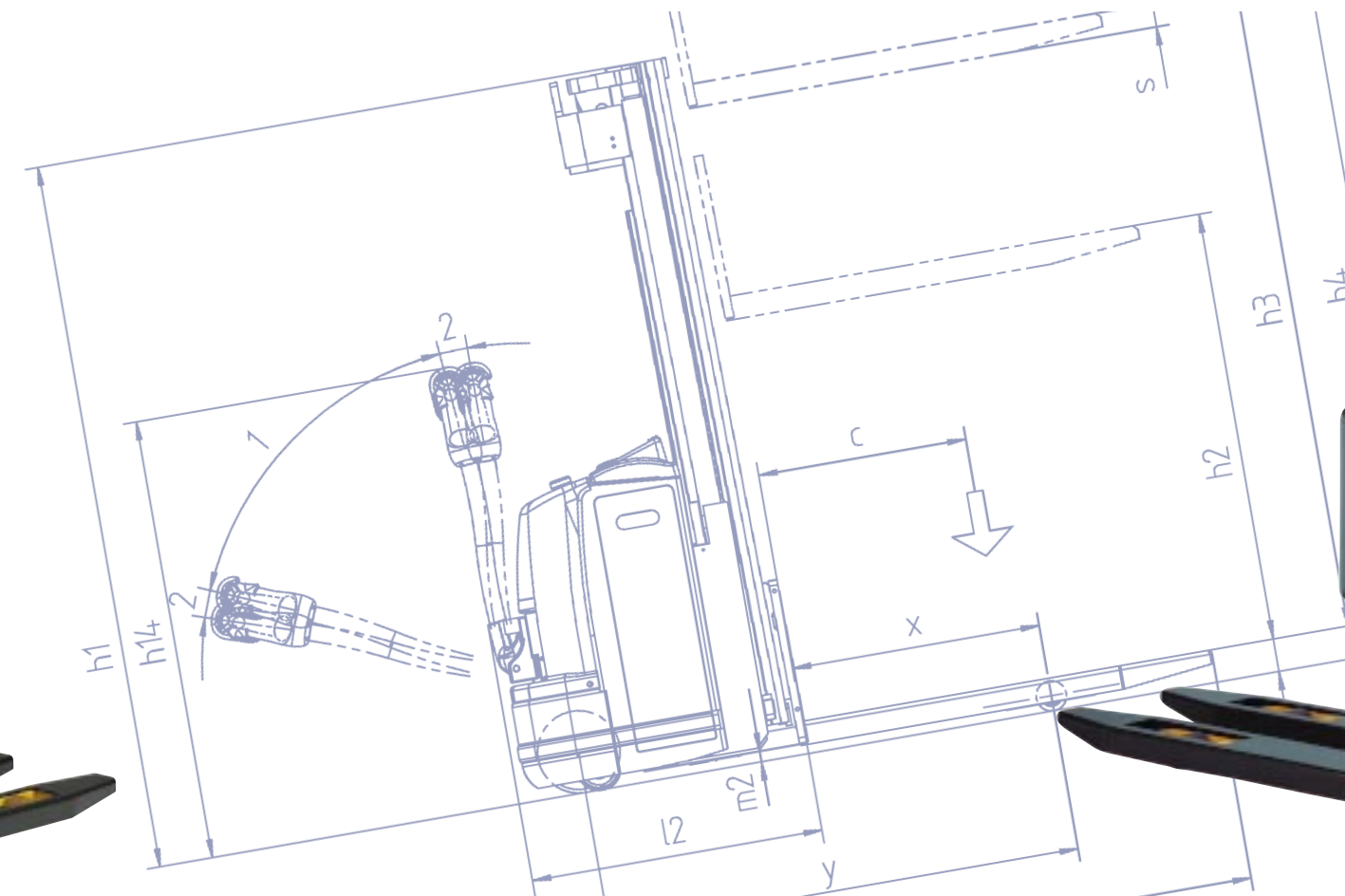
Thanks to their compact body in a 4-points construction and their ideal dimensions the KOMATSU stacker truck can manoeuvre the load in the tightest area.

Of course, the stacker truck performance, minimum downtime and long service life with good maintenance is our strong point. Select your new KOMATSU powered high lift stacker truck and you will find out how valuable these trucks are.



KOMATSU

KOMATSU - MWS10/12-1R
Electric Powered Pedestrian Stacker Truck
with medium duty applications up to 4.3 m lift



- This duo of strong and manoeuvrable electric pedestrian high lift KOMATSU MWS10/12-1R stacker trucks include the latest technology to provide higher performances, simpler controllability and better visibility through mast and forkcarriage.
- A 4-point contact chassis design, wrap-over forks and fixed support arms ensure the highest degree of stability in all circumstances.
- Strong and powerful SEM drive motor (1.0 kW) and pumpmotor (2.2 or 3.0 kW depending on capacity and mast type) ensure equal performance both laden and unladen.
- The unique ergonomic side-mounted long tiller and its low positioned joint enables particularly light steering and assumes the most comfortable operating position independently of structure together with perfect visibility when entering pallets or load carriers.
- Coldstore version - 30°C and built-in charger can be offered as option.
- A standard feature is the ability to drive the truck with the tiller in the upright position at reduced speed in confined spaces.

KOMATSU - MWS14/20-1R
Heavy Duty Electric Powered Pedestrian Stacker Truck
with lift height up to 5.4 m



The KOMATSU MWS14/20-1R heavy duty pedestrian operated high lift stacker truck have wrap-over forks and fixed support arms in a 4-point contact chassis design. They are very compact but efficient stacker trucks for heavy duty lifting and horizontal transport applications.

- Strong and powerful SEM drive motor (1.2 kW) and powerful series wound pump motor (2.2 or 3.0 kW depending on capacity and mast type) with 2 year/5000 hrs warranty, ensure equal performance both laden and unladen.
- The unique ergonomic side-mounted long tiller and its low positioned joint enables particularly light steering and assumes the most comfortable operating position independently of structure together with a perfect visibility when entering pallets or load carriers.
- Rapid side removal of battery with built-in roller bed for fast multi-shift work, cold store -30°C specification, load backrest, document holder and built-in charger can be offered as option.



KOMATSU - MWS14/20F-1R
Electric Powered Stacker Truck with Folding Platform -
High speed



The MWS14/20F-1R stacker truck features 4-point contact chassis design with fixed lateral traction unit, a single castor wheel and tandem (2t) or single load wheels (1.4t). The side castor wheel is adjustable in height to compensate for possible wear on the traction wheel. This creates maximum load stability and excellent residual capacity, both of which are primary requirements for stacker trucks.



- The ergonomic central positioned tiller has an exclusive electric power steering system. It allows constant fatigue-free manoeuvring of the tiller within 2 x 75° with traction wheel moving 2 x 90°. It is particularly efficient in picking up pallets that are placed against walls or lorry sides.
- The implementation of new SEM motors (5000 hrs/2-year warranty) and Mosfet technology, combined with serial data transmission, the adaptation of proximity sensors in stead of mechanical micro-switches and IP 67 protection rating for the touch sensitive membrane push buttons not only assures an absolute minimum of maintenance costs with maximum reliability, but it guarantees reactivity on start-up as well as top speed, almost identical in loaded and unloaded conditions.
- The spring-loaded driver platform is fitted with a rubber mat with anti-slip relief pattern that dampens impacts. The lateral side protections are covered with expanded polyurethane to provide safe and comfortable holding at high speeds. With the platform folded, through its compactness, the MWSF stacker can be used in the most confined spaces. A fixed platform with side and back fixed support is also available.
- The mast can be selected out of 4 types: simplex, duplex free-view and full-free-view and triplex, till 5.39 m (1.4t). The simplex and duplex masts have good visibility since the cylinders are integrated in the outer mast profiles whilst the integrated forkcarriage has large view through opening.

More “weighing” facts ...

MWS10-1R

Lift height h3 (mm)	Residual cap. in kg @ 600 LC		
	140 Ah	200 Ah	300 Ah
Sx 1800	1050	1050	1050
FV 2900 FFV 2900	1050	1050	1050
FV 3600 FFV 3600	950	1050	1050
TFV 4100 TFV 4305	850	900	950

MWS14-1R

Lift height h3 (mm)	Residual cap. in kg @ 600 LC	
	Sx 1510 Sx 1810	1400
FV 2900 FV 3580 FV 4480	1400	1250 850
FFV 2990 FFV 3600 FFV 4500	1400	1250 850
TFV 4170 TFV 4470 TFV 4940 TFV 5390	950	850 700 600

MWS14F-1R

Lift height h3 (mm)	Residual cap. in kg @600 LC	
	Sx 1510 Sx 1810	1400
FV 2900 FV 3580 FV 4480	1400	1250 850
FFV 2990 FFV 3600 FFV 4500	1400	1250 850
TFV 4170 TFV 4470	950	850

MWS12-1R

Lift height h3 (mm)	Residual cap. in kg @ 600 LC	
	140 Ah	200 Ah
Sx 1800	1200	1200
FV 2900 FFV 2900	1200	1200
FV 3600 FFV 3600	1050	1050
TFV 4100 TFV 4305	900	950

MWS20-1R

Lift height h3 (mm)	Residual cap. in kg @600 LC	
	FV 2900 FV 3580	1700
TFV 4170 TFV 4380	1100	950

Note:
 The indicated residual capacities for MWS14/20-1R do NOT change when a higher capacity battery is equipped than 24V/ 240 Ah (260 kg +/- 5%) for MWS14 and 24V/315 Ah (295 kg +/- 5%) for MWS20

MWS20F-1R

Lift height h3 (mm)	Residual cap. in kg @ 600 LC	
	FV 2900 FV 3580	1700
TFV 4170 TFV 4380	1100	950

Note:
 The indicated residual capacities for MWS14/20F-1R do NOT change when a higher capacity battery is equipped than 24V/ 240 Ah (260 kg +/- 5%) for MWS14F and 24V/315 Ah (295 kg +/- 5%) for MWS20F

Comfort through its ergonomics

Technology with design experience

Quality with warranty

Performance with r.o.i.