

Little Mule®
MATERIALS HANDLING

Industrial trucks and elevating platforms



Edition 2001

*Always up-to-date on Internet:
www.little-mule.com*

**Yale Industrial
Products GmbH**

At a Glance

Which is the
best truck for your application?
The questionnaire on page 48
will help you make the
right decision.

Page 4

Hand pallet trucks HU For special applications

- Many product variations with high functionality
- Low profile, 58 mm fork height
- Hand pallet trucks with high corrosion protection
- Fork lengths from 800 mm to 2000 mm



Page 9

Hand pallet trucks HU Secure

- On inclines
- High safety during transport
- Reliable drum brake



Page 56

Electric pedestrian four-way stackers EGY LW

- Ideal for transporting and stacking long goods under demanding conditions
- Takes maximal advantage of available storage space by using four-way technique, load wheels can be hydraulically rotated 90°



Page 22

Electric pallet lift trucks EGU

- Short 490 mm L2-dimension
- For professional applications
- Powerful order picking

Page 58

Little Mule® stacker attachments

- For non palletised goods
- When handling special applications
- Ensures correct load contact



Page 60

Little Mule® elevating platforms

- Guards against an aching back
- Transport heavy items and easy lift
- Always the correct working height



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Technical Data see page 14.

Hand Pallet Trucks HU

Little Mule® Hand Pallet Trucks HU

Little Mule® hand pallet trucks HU are proven helpers for the in-plant transport of palletised goods or wire mesh pallets. Fitted with a safety control handle, the pallet trucks are easy and unproblematic to operate even in demanding applications. The pallet trucks remove the physical strain from the workplace and save using more expensive equipment for short-haul applications. The pallet trucks are available in a wide range of different models. The models can be supplied with fork lengths from 800 to 2000 mm, lifting capacities up to 3000 kg and for added corrosion protection in stainless steel or galvanised design.

Models with drive and parking brakes offer extended safety when working on inclines. With a low 58 mm fork height particularly low pallets can be transported. Pallet trucks with electric drive can be used for the effortless transportation of loads.

Scissor pallet trucks with a max. fork height of 800 mm are the ideal combination of hand pallet truck and elevating platform

Hand Pallet Trucks HU Profi

Hand Pallet Trucks Model HU Profi

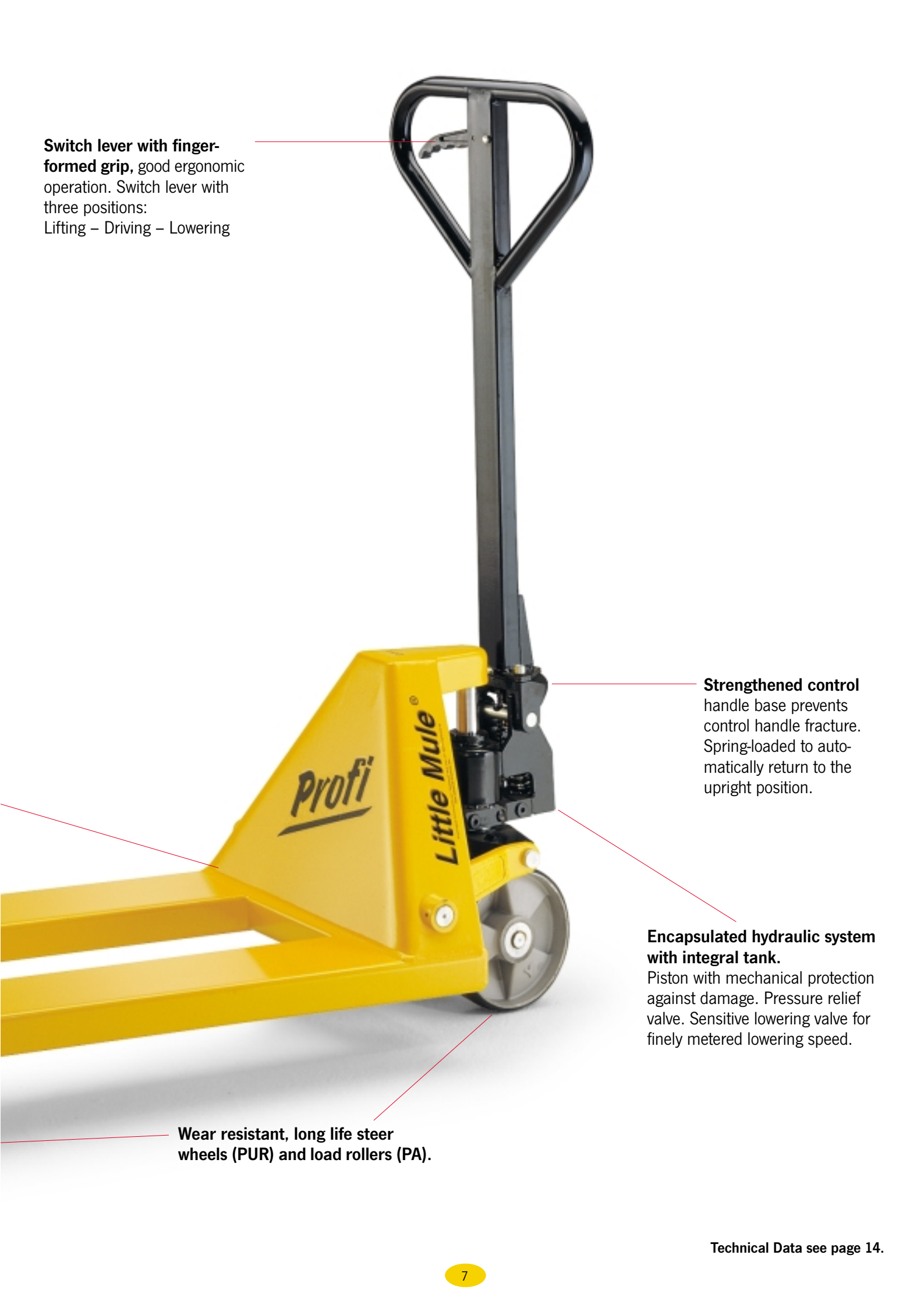
- for the professional transportation of palletised goods under demanding conditions
- lifting capacities up to 3.000 kg
- safety control handle with the functions:
lifting - driving - lowering
- lowering speed can be finely adjusted for sensitive lowering of the load
- low maintenance hydraulic with hard chromium plated piston and pressure relief valve
- low noise, wear resistant tyres, standard specification:
steer rollers - polyurethane, load rollers - polyamide

Frame and forks
in torsion resistant, welded steel plate construction. Lifelong maintenance-free ball bearings.

Rounded fork tips
prevent damage to pallets

Entry rollers
facilitate entry into bottom boarded pallets





Switch lever with finger-formed grip, good ergonomic operation. Switch lever with three positions:
Lifting – Driving – Lowering

Strengthened control handle base prevents control handle fracture. Spring-loaded to automatically return to the upright position.

Encapsulated hydraulic system with integral tank.

Piston with mechanical protection against damage. Pressure relief valve. Sensitive lowering valve for finely metered lowering speed.

Wear resistant, long life steer wheels (PUR) and load rollers (PA).

Technical Data see page 14.

Hand Pallet Trucks HU Special

Hand Pallet Trucks

Model HU PS

- for professional work on lorries or ramps and for the transport of long and bulky loads
- the forks for the models HU PS are available in lengths from 800 mm to 2000 mm and, depending on the fork length, with load capacities between 2.000 kg and 2.500 kg.
- The standard tyres are:
steer rollers – solid rubber, load rollers – polyamide

Hand Pallet Trucks

Model HU PN

- the hand pallet trucks HU PN20T with flat forks, designed for the transport of particularly low pallets.
Tyres: steer rollers – solid rubber, load rollers – steel



Model HU PV

- the hand pallet trucks HU PV with galvanised surfaces offer greater resistance to corrosion, the polyamide steer and load rollers offer greater resistance to aggressive chemicals.

Hand Pallet Trucks HU Secure

Hand Pallet Trucks

Model HU Secure

- for greater demands with regard to safety - a hand pallet truck PROFI with driving and parking brake
- ideal for the safe transportation of palletised loads on inclined surfaces
- high quality drum brake system operated from the safety control handle
- low noise, smooth running tyres, standard specification:
steer rollers - polyurethane, load rollers - polyamide



HU Secure, safety with driving and parking brake

Hand Pallet Trucks HU PE

Stainless steel hand pallet trucks

Model HU PE

- Lifting capacity 2000 kg
- Fork length 1150 mm
- increased corrosion protection
- suitable for foodstuff applications such as meat and milk processing or pharmaceuticals.
- Polyamide steer and load rollers offer greater resistance to aggressive chemicals



Scissor Pallet Trucks

HU HS10

HU ES10

Scissor Pallet Trucks with manual/hydraulic lift Model HU HS10

- For transporting and raising of palletised loads to various working heights in manufacturing, assembly and packing departments
- a combination of hand pallet truck and elevating platform, maximum fork height: 800 mm
- manual/hydraulic lift, pressure relief valve protects against overloading
- quick-lift for loads up to 250 kg
- lowering speed can be finely metered for sensitive lowering of the load
- safety supports guarantee sure standing when the forks are raised
- smooth running, wear resistant tyres: steer and load rollers - polyamide

Scissor Pallet Trucks with electric/hydraulic lift Model HU ES10

- for demanding applications with frequent lifting and lowering operations
- increases the usefulness of the HU HS10 by saving operating time
- quick electric/hydraulic lifting of the load, pressure relief valve protects against overloading
- ergonomic control button for the hydraulic unit fitted in the handle
- low noise and smooth running with standard tyres: steer rollers - solid rubber, load rollers - polyamide
- batteries and separate battery charger are supplied with the unit



Scissor pallet trucks
with electric/hydraulic lift

Review see page 12.

Hand Pallet Trucks

Review



Application
Haul
Max. lift capacity

Standard fork length

Hand Pallet Trucks HU Profi

Transport / handling
Short
3 t



Application
Haul
Max. lift capacity

Galvanised design

Hand Pallet Trucks HU PV

Humid environments
Short
2 t



Application
Haul
Max. lift capacity

Longer or shorter fork lengths

Hand Pallet Trucks HU PS

Long or short loads
Short
2.5 t



Application
Haul
Max. lift capacity

Stainless steel design

Hand Pallet Trucks HU PE

Chemical / food / beverages
Short
2 t



Application
Haul
Max. lift capacity

Low fork height

Hand Pallet Trucks HU PN

Low pallets
Short
2 t



Application
Haul
Max. lift capacity

Drive and parking brake

Hand Pallet Trucks HU Secure

Inclines
Short
2 t

Hand Pallet Trucks

Review



Combination of hand pallet truck and elevating platform - manual lift

Hand Pallet Trucks HU HS

Application	Transporting / manual lift
Haul	Short
Max. lift capacity	1 t
Max. fork height	800 mm



Combination of hand pallet truck and elevating platform - electric/hydraulic lift

Hand Pallet Trucks HU ES

Application	Transporting / electric lift
Haul	Short
Max. lift capacity	1 t
Max. fork height	800 mm

Model	HU Profi	HU PS	HU PN	HU PV	HU PE	HU Secure	HU HS	HU ES
Special fork widths	✓	–	–	–	–	–	✓	✓
Special fork lengths	–	✓	–	–	–	–	–	–
Meterable lowering speed	✓	✓	✓	✓	✓	✓	✓	✓
Drive and parking brake (up to max. 2000 kg capacity)	o	o	o	o	o	✓	–	–
Adjustable connecting rods	✓	✓	✓	✓	✓	✓	–	–
Steer rollers	PUR	PUR	VG	PA	PA	PUR	PA	VG
Load rollers	PA	PA	S	PA	PA	PA	PA	PA
Fork height 58 mm	–	–	✓	–	–	–	–	–
Stainless steel	–	–	–	–	✓	–	–	–
Galvanised	–	–	–	✓	–	–	–	–
Lift up to 800 mm	–	–	–	–	–	–	✓	✓

Standard design (✓), Not possible (–), Optional (o), Steel (s), Solid rubber (VG), Polyamide (PA), Polyurethane (PUR)

Hand Pallet Trucks HU

Designations

1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH				
1.2	Type code of manufacturer		HU Profi 20 S	HU Profi 20 T	HU Profi 25 T	HU Profi 30 T	HU PS 800 S
1.5	Load capacity/load	Q (t)	2,0	2,0	2,5	3,0	2,5
1.6	Load centre	c (mm)	600	600	600	600	400
1.8	Load distance	x (mm)	850	850	850	850	500
1.9	Wheelbase	y (mm)	1.205	1.205	1.205	1.205	855

Weights

2.1	Tare weight	kg	72	73	74	94	65
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Wheels, transmission

3.1	Tyres*		PUR/PA	PUR/PA	PUR/PA	PUR/PA	PUR/PA
3.2	Wheel size front	mm	200 x 50	200 x 50	200 x 50	200 x 50	200 x 50
3.3	Wheel size rear	mm	80 x 85	80 x 63	80 x 63	80 x 63	80 x 85
3.5	No. of wheels, front/rear (x=driven)		2/2	2/4	2/4	2/4	2/2
3.6	Track, front	mm	135	135	135	135	135
3.7	Track, rear	mm	370	370	370	370	370

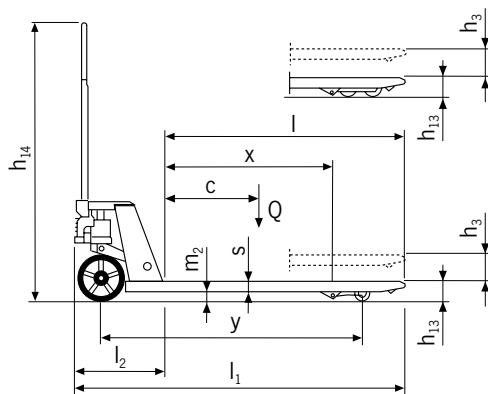
Dimensions

4.4	MFH	h_3 (mm)	120	120	120	120	120
4.9	Height of control handle in operation max.	h_{14} (mm)	1.230	1.230	1.230	1.230	1.230
4.15	Height lowered	h_{13} (mm)	80	80	80	80	80
4.19	Overall length	l_1 (mm)	1.525	1.525	1.525	1.525	1.175
4.20	Length incl. apron	l_2 (mm)	375	375	375	375	375
4.21	Overall width	b_1/b_2 (mm)	520	520	520	520	520
4.22	Fork dimensions	s/e/l (mm)	51 x 150 x 1.150	51 x 150 x 1.150	51 x 150 x 1.150	51 x 150 x 1.150	51 x 150 x 800
4.25	Outside dimension of forks	b_5 (mm)	520	520	520	520	520
4.32	Ground clearance, wheelbase centre	m_2 (mm)	29	29	29	29	29
4.34	Aisle width pallet 800 x 1200, longitudinal	A_{80} (mm)	1.832	1.832	1.832	1.832	1.484
4.35	Turning circle radius	W_8 (mm)	1.367	1.367	1.367	1.367	1.019

Performance

5.3	Lowering speed with/without load	m/s	metered	metered	metered	metered	metered
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*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S)

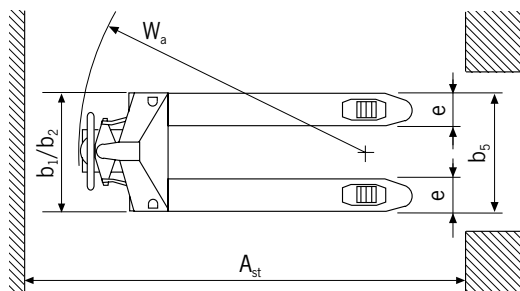


67 66 68 75 80 85 88

PUR/PA	PUR/PA	PUR/PA	PUR/PA	PUR/PA	PUR/PA	PUR/PA
200 x 50	200 x 50	200 x 50	200 x 50	200 x 50	200 x 50	200 x 50
80 x 63	80 x 85	80 x 63	80 x 63	80 x 63	80 x 63	80 x 63
2/4	2/2	2/4	2/4	2/4	2/4	2/4
135	135	135	135	135	135	135
370	370	370	370	370	370	370

120	120	120	120	120	120	120
1.230	1.230	1.230	1.230	1.230	1.230	1.230
80	80	80	80	80	80	80
1.175	1.275	1.275	1.725	1.875	2.175	2.375
375	375	375	375	375	375	375
520	520	520	520	520	520	520
51 x 150 x 800	51 x 150 x 950	51 x 150 x 950	51 x 150 x 1.350	51 x 150 x 1.500	51 x 150 x 1.800	51 x 150 x 2.000
520	520	520	520	520	520	520
29	29	29	29	29	29	29
1.484	1.633	1.633	2.031	2.180	2.480	2.680
1.019	1.168	1.168	1.566	1.715	2.015	2.215

metered metered metered metered metered metered metered



Hand Pallet Trucks HU

Designations

1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH				
1.2	Type code of manufacturer		HU PN 20 T	HU PV 20 S	HU PV 20 T	HU PE 20 S	HU PE 20 T
1.5	Load capacity/load	Q (t)	2,0	2,0	2,0	2,0	2,0
1.6	Load centre	c (mm)	600	600	600	600	600
1.8	Load distance	x (mm)	823	823	823	823	823
1.9	Wheelbase	y (mm)	1.057	1.057	1.057	1.057	1.057

Weights

2.1	Tare weight	kg	97	68	69	68	69
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Wheels, transmission

3.1	Tyres*		VG/S	PA/PA	PA/PA	PA/PA	PA/PA
3.2	Wheel size front	mm	200 x 50	200 x 50	200 x 50	200 x 50	200 x 50
3.3	Wheel size rear	mm	55 x 58	80 x 70	80 x 60	80 x 70	80 x 60
3.5	No. of wheels, front/rear (x=driven))		2/4	2/2	2/4	2/2	2/4
3.6	Track, front	mm	150	150	150	150	150
3.7	Track, rear	mm	375	375	375	375	375

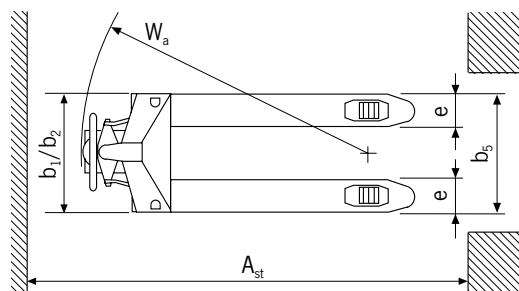
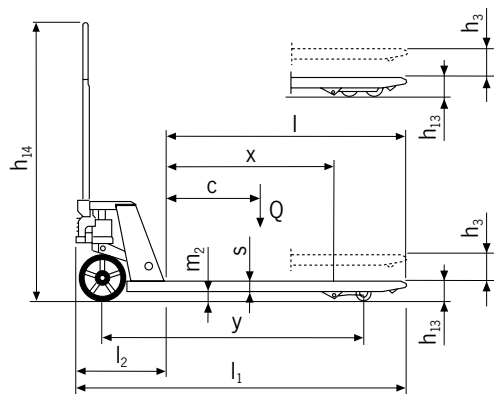
Dimensions

4.4	MFH	h_3 (mm)	115	115	115	115	115
4.9	Height of control handle in operation max.	h_{14} (mm)	1.150	1.150	1.150	1.150	1.150
4.15	Height lowered	h_{13} (mm)	58	85	85	85	85
4.19	Overall length	l_1 (mm)	1.550	1.550	1.550	1.550	1.550
4.20	Length incl. apron	l_2 (mm)	400	400	400	400	400
4.21	Overall width	b_1/b_2 (mm)	520	525	525	525	525
4.22	Fork dimensions	s/e/l (mm)	35 x 160 x 1.150	50 x 150 x 1.150	50 x 150 x 1.150	50 x 150 x 1.150	50 x 150 x 1.150
4.25	Outside dimension of forks	b_5 (mm)	525	525	525	525	525
4.32	Ground clearance, wheelbase centre	m_2 (mm)	22	35	35	35	35
4.34	Aisle width pallet 800 x 1200, longitudinal	A_{st} (mm)	1.832	1.832	1.832	1.832	1.832
4.35	Turning circle radius	W_a (mm)	1.367	1.367	1.367	1.367	1.367

Performance

5.3	Lowering speed with/without load	m/s	metered	metered	metered	metered	metered
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*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S)



**Technical
Data**
HU PN
HU PV
HU PE

HU Secure 20 S

2,0
600
823
1.057

HU Secure 20 T

2,0
600
823
1.057

HU Profi 20/25 TX

2,0/2,5
600
920
1.275

HU HS 10

1,0
600
890
1.140

HU ES 10

1,0
600
890
1.140

74

76

87/88

105/120

145/160

PUR/PA

200 x 50

80 x 85

2/2

135

370

PUR/PA

200 x 50

80 x 63

2/4

135

370

PUR/PUR

200 x 50

80 x 63

2/4

155

536

PA/PA

200 x 50

80 x 50

2/2

145

380/520

VG/PA

200 x 50

80 x 50

2/2

145

380/520

120

1.150

80

1.525

375

520

50 x 150 x 1.150

525

35

1.832

1.367

120

1.150

80

1.525

375

520

50 x 150 x 1.150

525

35

1.832

1.367

115

1.230

80

1.595

375

686

51 x 150 x 1.220

686

29

1.902

1.437

715

1.235

85

1.505

360

540/680

50 x 160 x 1.150

540/680

35

1.760

1.350

715

1.180

85

1.650

500

540/680

50 x 160 x 1.150

540/680

35

1.900

1.450

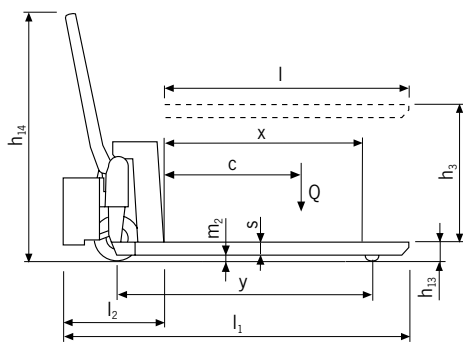
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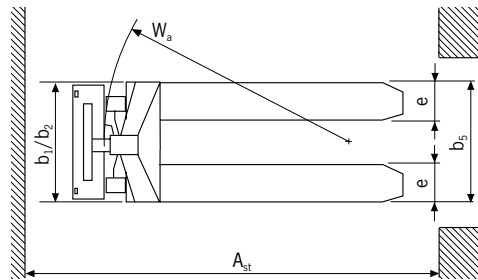
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HU HS and HU ES



**Technical
Data
HU Secure
HU TX · HU HS
HU ES**



Technical Data see page 21.

Hand Pallet Truck with weighing system

Little Mule® Hand Pallet Truck with weighing system

The hand pallet trucks with weighing system, model HU PW, are used within the factory confines to determine the weight of loads, for filling or metering operations and for defining quantities. They are mobile weighing systems on location. The additional transport of goods to a crane weigher or stationary weighing system* is not required. The high quality weighing system comprises of four weighing cells and a display. Accuracy is – 0,1 % of the end value and one display increment. The standard truck can determine the weight of palletised goods between 1 kg and max. 2000 kg. The weighing system has a standard serial interface for the transfer of data. The HU PW can optionally be used for split-range weighing operations and a printer is a further option.

A version fully calibrated to class III which further increases the number of possible applications will be available during the last quarter of 2000.

The robust construction of the basic HU Profi hand pallet truck provides the user with the proven quality for the transportation of palletised goods.

*EU-trade approved class III

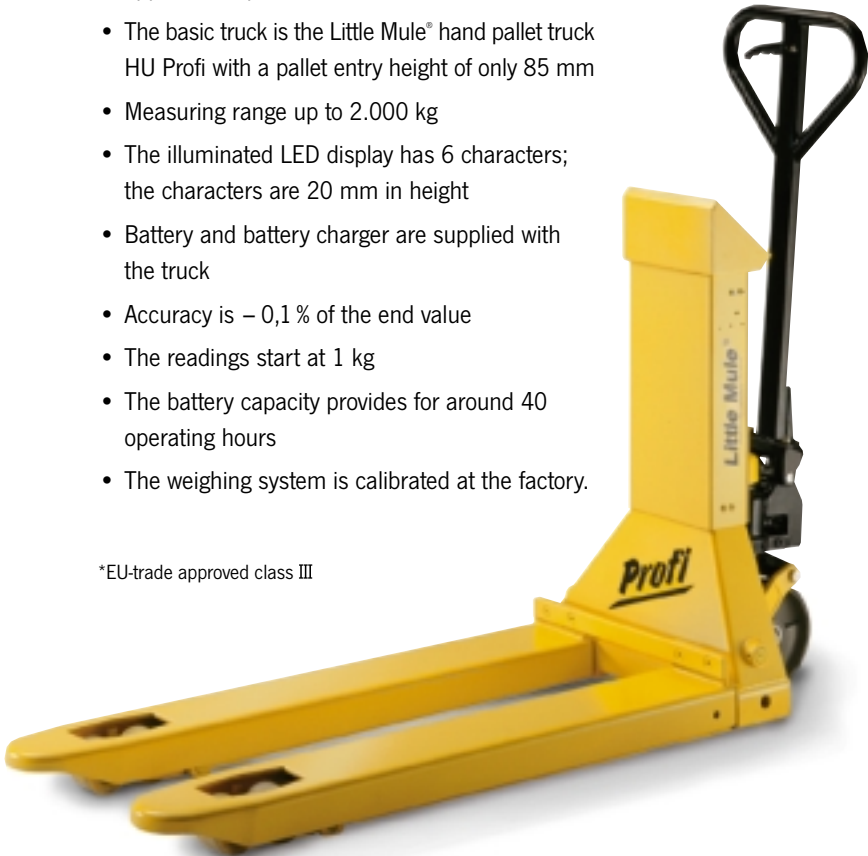
Hand Pallet Truck HU PW

*We consider it most important that an exact weight measurement is shown.
To guard against torsion in the forks, which would falsify the reading, we use split connecting rods. This is only one of the many technical features of our hand pallet truck with weighing system.*

Little Mule® Hand Pallet Truck HU with Weighing System · Model HU PW

- Fitted with four high quality load cells* the hand pallet truck becomes a mobile weighing system
- The robust construction of the basic truck and high quality electronics* make demanding applications possible
- The basic truck is the Little Mule® hand pallet truck HU Profi with a pallet entry height of only 85 mm
- Measuring range up to 2.000 kg
- The illuminated LED display has 6 characters; the characters are 20 mm in height
- Battery and battery charger are supplied with the truck
- Accuracy is – 0,1 % of the end value
- The readings start at 1 kg
- The battery capacity provides for around 40 operating hours
- The weighing system is calibrated at the factory.

*EU-trade approved class III



LED display

	HU PW 20T	HU PW 20TR
Automatic return to zero	✓	✓
Manual return to zero	✓	✓
Tare over complete range	✓	✓
RS 232 interface	✓	✓
LED display	✓	✓
Counting function	✓	✓
Totaliser function	✓	✓
Data logger	✓	✓
Split-range weighing	✓	✓
Print function	–	✓
Date / time	–	✓

Technical Data

Hand Pallet Trucks HU

Designations

1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH
1.2	Type code of manufacturer		HU PW 20T / HU PW 20TR
1.5	Load capacity/load	Q (t)	2,0
1.6	Load centre	c (mm)	600
1.8	Load distance	x (mm)	850
1.9	Wheelbase	y (mm)	1205

Weights

2.1	Tare weight	kg	145
2.2	Axle loading with load front/rear	kg	409/1735
2.3	Axle loading without load front/rear	kg	86/59

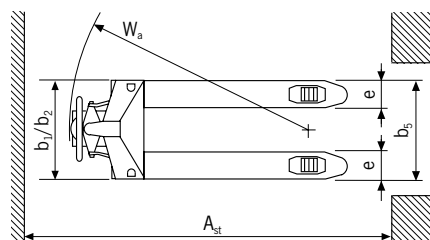
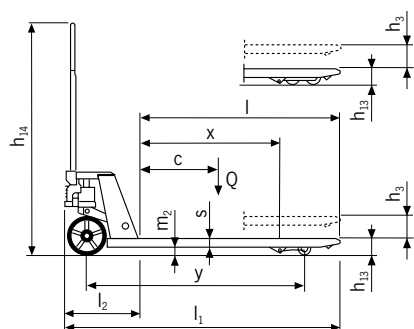
Wheels, transmission

3.1	Tyres*		PUR/PA
3.2	Wheel size, front		200 x 50
3.3	Wheel size, rear		80 x 63
3.5	No. of wheels, front/rear (x = driven)		2/4
3.6	Track, front	mm	135
3.7	Track, rear	mm	370

Dimensions

4.4	MFH	h_3 (mm)	115
4.9	Height of control handle in operation max.	h_{14} (mm)	1230
4.15	Height lowered	h_{13} (mm)	85
4.19	Overall length	l_1 (mm)	1525
4.20	Length incl. apron	l_2 (mm)	375
4.21	Width	b_1/b_2 (mm)	535
4.22	Fork dimensions	$s/e/l$ (mm)	60 x 165 x 1130
4.25	Outside dimension of forks	b_5 (mm)	535
4.32	Ground clearance, wheelbase centre	m_2 (mm)	20
4.34	Aisle width with pallet 800 x 1200, longitudinal	A_{st} (mm)	1832
4.35	Turning circle	W_a (mm)	1367

*Polyamide (PA), Polyurethane (PUR)





Pallet Lift Trucks Order Picking Trucks

Little Mule® Electric Pallet Lift Trucks EGU Order Picking Trucks ECU

Little Mule® electric pallet lift trucks EGU are designed for the horizontal transportation of palletised goods up to 3000 kg and for loading/unloading lorries. Their performance, compact design and good manoeuvrability make demanding applications with high efficiency possible.

Little Mule® order picking trucks ECU with capacities up to 3000 kg are the ideal trucks for first shelf level applications. The units are designed for high turn-over applications and the deployment of goods on large surfaces.

The electric pallet lift trucks and order picking trucks are fitted as standard with a multifunction control handle, impulse control and spring-mounted central drive unit.

Electric Pallet Lift Trucks EGU EL

Electric Pallet Lift Trucks Model EGU EL

- ideal unit for working on ramps or taking along on a lorry
- short l_2 - dimension (length incl. apron) 490 mm
- multifunctional control handle, all functions are incorporated ergonomically in the top of the handle
- reliable impulse control for stepless regulation of driving speed
- drive unit with high torque, robust 1.0 kW motor
- powerful hydraulic unit with 2 kW motor performance, protected by pressure relief valve
- fork widths 550 mm or 680 mm possible



- Battery size depends on type of application. Battery and battery charger are to be ordered separately

Electric Pallet Lift Trucks EGU ES

Electric Pallet Lift Trucks

Model EGU ES

- for high demands and quick turnaround in continuous applications, also suitable for loading/unloading lorries and ramp work
- for transportation over longer distances a driver's platform can be fitted
- can be supplied in galvanised design for greater protection against corrosion
- spring-mounted central drive unit with robust 1.2 kW motor, on request with performance enhanced to 1.7 kW
- load capacities up to 3000 kg possible, hoist motor performance 2.6 kW, pressure relief valve for safety
- impulse control for the drive and multifunctional control handle for sensitive operation
- adjustable connecting rods for the load forks
- fork lengths from 800 mm to 2400 mm
- accessories: quick-change system for battery, hourmeter
- Battery size depends on type of application. Battery and battery charger are to be ordered separately



Review see page 27.

Order Picking Trucks EKU EK

Order Picking Trucks Model EKU EK

- for order picking and transporting palletised goods over long distances and for the deployment of goods on large surfaces
- a quick and manoeuvrable rider unit that saves working time when frequent order picking is required
- can be fitted with longer forks for transporting more than one pallet at a time
- four different basic models are available, lifting capacities up to 3000 kg are possible, robust hydraulic unit protected from overload by a pressure relief valve
- well arranged driver's area with multifunctional control handle for sensitive operation



- impulse control for stepless regulation of driving speed
- accessories: quick-change system for battery, hourmeter, galvanised surfaces
- Battery size depends on type of application. Battery and battery charger are to be ordered separately

Electric Pallet Lift Trucks Order Picking Trucks Review



Application
Haul
Max. lift capacity

Electric Pallet Trucks EGU EL

(Fork outside dimension 550 mm or 680 mm)

Ramp/on lorry/handling
Medium long
2 t



Application
Haul
Max. lift capacity

Electric Pallet Trucks EGU ES

Transport/handling
Long
3 t



Application
Haul
Max. lift capacity

Order Picking Trucks EGU EK

Transport/order picking
Long
3 t

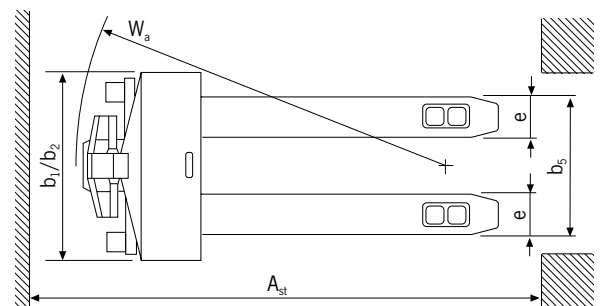
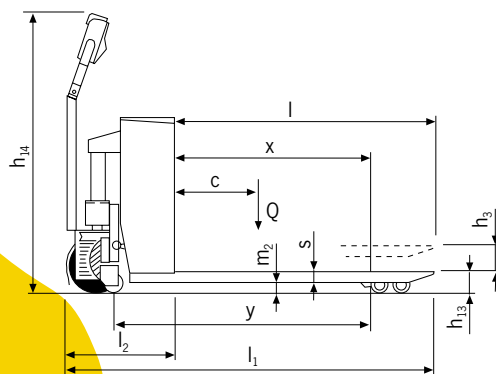
Model	EGU EL	EGU ES	EGU EK
Load capacity, max. (t)	2	3	3
Length incl. apron (mm)	490	600	600
Fork length (mm)	1.150	1.150	1.150
Drive	electric	electric	electric
Battery	PzS	PzS	PzS
Impulse control	✓	✓	✓
Larger fork outside dimension	✓	0	0
Smaller fork outside dimension	–	0	0
Longer fork (max. 2400 mm)	–	0	0
Shorter fork	✓	0	0
Driver's platform	–	0	✓
Battery quick change system	–	0	0
Inclined forks	–	0	0
Galvanised surface	–	0	0

Standard design (✓), Not possible (–), Traction battery (PzS), Option (0)

Pallet Lift Trucks EGU, Order Picking Trucks EKU

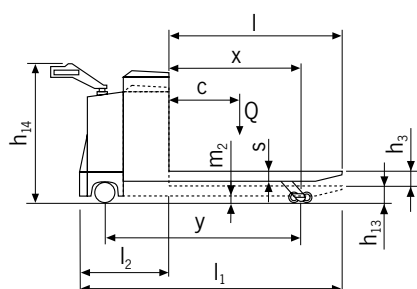
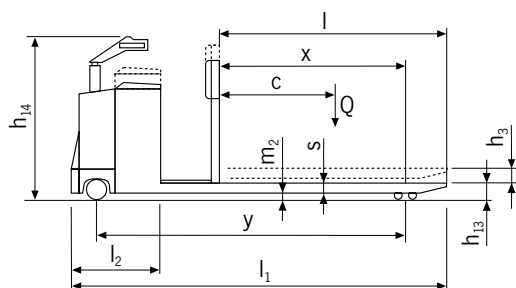
Designations	1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH			
	1.2	Type code of manufacturer		EL 20-55/10	EL 20-55/11	EL 20-68/10	EL 20-68/11
	1.3	Drive-electric, diesel, petrol, LPG, mains		electric	electric	electric	electric
	1.4	Steering-hand, pedestrian, standing, seated, order picking truck		pedestrian	pedestrian	pedestrian	pedestrian
	1.5	Load capacity/load	Q (t)	2	2	2	2
	1.6	Load centre	c (mm)	600	600	600	600
	1.8	Load distance	x (mm)	800	950	800	950
	1.9	Wheel base	y (mm)	1.165	1.315	1.165	1.315
W	2.1	Tare weight with battery (160 AH)	kg	430	440	440	450
Wheels, transmission	3.1	Tyre*		VG/PUR	VG/PUR	VG/PUR	VG/PUR
	3.2	Wheel size front	mm	← 220 x 100 + 100 x 40 →			
	3.3	Wheel size rear	mm	82 x 60	82 x 60	82 x 60	82 x 60
	3.5	No. of wheels, front/rear (x-driven)		2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4
	3.6	Track, front	mm	620	620	620	620
	3.7	Track, rear	mm	390	390	520	520
	Dimensions	4.4	MFH	h ₃ (mm)	115	115	115
4.7		Fork height, max.	h ₃ + h ₁₃ (mm)	200	200	200	200
4.9		Height of control handle in operation min./max.	h ₁₄ (mm)	910/1.320	910/1.320	910/1.320	910/1.320
4.15		Height lowered	h ₁₃ (mm)	85	85	85	85
4.19		Overall length	l ₁ (mm)	1.495	1.645	1.495	1.645
4.20		Length incl. apron	l ₂ (mm)	490	490	490	490
4.21		Width	b ₁ /b ₂ (mm)	750	750	750	750
4.22		Fork dimensions	s/e/l (mm)	50 x 160 x 1.000	50 x 160 x 1.150	50 x 160 x 1.000	50 x 160 x 1.150
4.25		Outside dimension of forks	b ₅ (mm)	550	550	680	680
4.32		Ground clearance, wheelbase centre	m ₂ (mm)	35	35	35	35
4.34		Aisle width with pallet 800 x 1200, longitudinal	A _{st} (mm)	1.890	1.890	1.890	1.890
4.35	Turning circle radius	W _a (mm)	1.130	1.480	1.330	1.480	
Performance	5.1	Travel speed with/without load	km/h	4,5/6,5	4,5/6,5	4,5/6,5	4,5/6,5
	5.2	Lifting speed with/without load	m/s	0,04/0,05	0,04/0,05	0,04/0,05	0,04/0,05
	5.3	Lowering speed with/without load	m/s	0,05/0,04	0,05/0,04	0,05/0,04	0,05/0,04
	5.7	Gradient with/without load	%	5/10	5/10	5/10	5/10
	5.8	Max. gradient with/without load	%	5/10	5/10	5/10	5/10
	5.10	Service brake		electric	electric	electric	electric
Drive	6.1	Drive motor rating S2 60 min.	kW	0,7	0,7	0,7	0,7
	6.2	Hoist motor rating at S3 15%	kW	2,5	2,5	2,5	2,5
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		PzS	PzS	PzS	PzS
	6.4	Battery voltage, capacity K _s	V/Ah	24/110-160	24/110-160	24/110-160	24/110-160
	6.5	Battery weight	kg	120-180	120-180	120-180	120-180
Other	8.1	Type of control		Impulse	Impulse	Impulse	Impulse

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Traction battery (PzS)

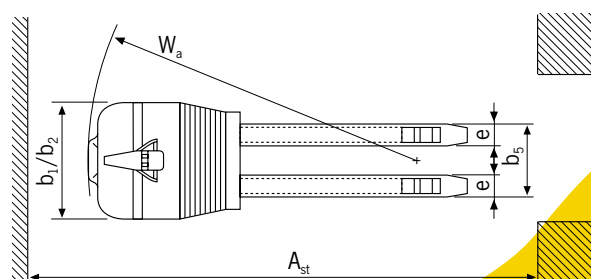


Technical Data EGU EL

ES 15	ES 20	ES 25	ES 30	EK 15	EK 20	EK 25	EK 30
electric	electric	electric	electric	electric	electric	electric	electric
pedestrian	pedestrian	pedestrian	pedestrian	Stand	Stand	Stand	Stand
1,5	2	2,5	3	1,5	2	2,5	3
600	600	600	600	600	600	600	600
800	800	800	800	800	800	800	800
1.330	1.330	1.330	1.330	1.770	1.770	1.770	1.770
340	340	350	350	370	370	380	385
VG/PUR	VG/PUR	VG/PUR	VG/PUR	VG/PUR	VG/PUR	VG/PUR	VG/PUR
← 240 x 75 + 125 x 50 →							
80x70	80x70	80x70	80x70	80x70	80x70	80x70	80x70
2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4	2 + 1 x / 4
590	590	590	590	590	590	590	590
380	380	380	380	380	380	380	380
110	110	110	110	110	110	110	110
200	200	200	200	200	200	200	200
1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.150/1.200	1.150/1.200	1.150/1.200	1.150/1.200
90	90	90	90	90	90	90	90
1.750	1.750	1.750	1.750	2.190	2.190	2.190	2.190
600	600	600	600	600	600	600	600
750	750	750	750	750	750	750	750
60x180x1.150	60x180x1.150	60x180x1.150	60x180x1.150	60x180x1.150	60x180x1.150	60x180x1.150	60x180x1.150
560	560	560	560	560	560	560	560
25	25	25	25	25	25	25	25
1.800	1.800	1.800	1.800	2.250	2.250	2.250	2.250
1.500	1.500	1.500	1.500	1.950	1.950	1.950	1.950
4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3
0,03/0,026	0,03/0,026	0,03/0,026	0,03/0,026	0,03/0,026	0,03/0,026	0,03/0,026	0,03/0,026
0,03/0,04	0,03/0,04	0,03/0,04	0,03/0,04	0,03/0,04	0,03/0,04	0,03/0,04	0,03/0,04
5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
electric	electric	electric	electric	electric	electric	electric	electric
1,2	1,2	1,2	1,2	1,2	1,2	1,2	1,2
2,6	2,6	2,6	2,6	2,6	2,6	2,6	2,6
PzS	PzS	PzS	PzS	PzS	PzS	PzS	PzS
24/110-184	24/110-184	24/110-184	24/110-184	24/110-184	24/110-184	24/110-184	24/110-184
120-180	120-180	120-180	120-180	120-180	120-180	120-180	120-180
Impulse	Impulse	Impulse	Impulse	Impulse	Impulse	Impulse	Impulse



EGU ES



EKG EK

**Technical
Data
EGU ES
EKG EK**



Manual Drive Stackers

Little Mule® Manual Drive Stackers HV

Little Mule® manual drive stackers transport and stack palletised goods up to 1.500 kg. They are economical for occasional to medium applications. The welded mast construction is engineered from precision profiles and is available in heights up to 3.500 mm. Simplex and duplex masts are available. The lowering speed of the load can be finely metered. The robust frame is fitted with two load and two steer rollers. One steer roller can be locked in position for parking. The models with wide track (optional) are ideal for transporting long goods. The tie-rod guided steer wheels provide easy, positive steering (only for model HV TM).

All trucks can be fitted with Little Mule® attachments for many different applications.



Manual Drive Stackers HV TH

Manual Drive Stackers with hand/hydraulic lift Model HV TH

- ideal for the occasional application of stacking and transporting palletised loads
- can be used in many applications with different attachments
- available in lifting capacities from 250 kg to 1200 kg with MFH 1.600 mm
- safety control handle with the functions: lifting - driving - lowering, double-action hand pump with separate pump lever from 1200 kg
- powerful hydraulic unit with large stroke for every pump action, protected by pressure relief valve
- lowering speed can be finely metered for sensitive lowering of the load
- mast welded from precision profiles
- robust frame with two load and two steer rollers, retention is by a parking device



Manual Drive Stackers HV TM

Manual Drive Stackers, with electro/hydraulic lift Model HV TM

- suitable for occasional to medium applications of stacking and transporting palletised loads, also in confined areas
- can be used in many applications with different attachments
- available in lifting capacities up to 1500 kg and maximal fork height 3500 mm
- easy to operate via tie-rod guides to both steer wheels
- compact electric/hydraulic lifting device, overload protection and finely metered lowering of load through pressure relief valve and adjustable lowering valve
- mast welded from precision profiles, fork carriage with maintenance free guide rollers
- robust frame with two load and two steer rollers, retention is by a parking device
- battery and battery charger are supplied with the unit



Stacker attachments see page 58.



Review see page 34.

Manual Drive Stackers

Review

	HV TH	HV TM
Lifting capacity, max. (t)	1,2	1,5
Fork height, max. (mm)	1.600	3.500
Free lift	✓	✓
Battery	–	Starter
Wide track truck	0	0
Economical for application	light	light/medium
Adjustable forks	✓/0	0
Mechanical drum clamp	0	0
Hydraulic drum clamp	–	0
Drum tipper	0	0
Ram for hoop transport	0	0
Crane hook	0	0
Electric rotating device	–	0
Wide track chassis	0	0
Special free lift	–	0

Standard design (✓), Not possible (–), Optional (0), Starter battery (Starter)



Application
Haul
Max. lift capacity
Max. fork height

Manual Drive Stackers
with Hand-Hydraulic Lift HV TH
Stacking/handling
Short
1.2 t
1600 mm



Application
Haul
Max. lift capacity
Max. fork height

Manual Drive Stackers
with Electric-Hydraulic Lift HV TM
Stacking/handling
Short
1.5 t
3500 mm

Manual Drive Stackers HV

Designations

1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH				
1.2	Type code of manufacturer		TH 02-16/8	TH 05-16/8	TH 10-16/8	TH 10-16	TH 12-16
1.3	Drive-electric, diesel, petrol, LPG, mains		pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
1.4	Steering-pedestrian, pedestrian, standing, seated, order picking		pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
1.5	Load capacity/load	Q (t)	0,25	0,5	1	1	1,2
1.6	Load centre	c (mm)	400	400	400	600	600
1.8	Load distance	x (mm)	685	585	585	520	520
1.9	Wheelbase	y (mm)	1.005	1.115	1.115	1.160	1.160

Weights

2.1	Tare weight	kg	90	142	184	280	300
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Wheels, transmission

3.1	Tyres*		PA/PA	PUR/PA	PUR/PA	VG/PUR	VG/PUR
3.2	Wheel size front	mm	120 x 40	150 x 50	150 x 50	200 x 50	200 x 50
3.3	Wheel size rear	mm	80 x 30	80 x 30	80 x 70	80 x 70	80 x 70
3.5	No. of wheels, front/rear (x = driven)		2/2	2/2	2/2	2/2	2/2
3.6	Track, front	mm	630	635	620	645	645
3.7	Track, rear	mm	473	465	440	370	370

Dimensions

4.2	Height, mast retracted	h_1 (mm)	1.990	1.990	1.990	1.990	1.990
4.3	Free lift	h_2 (mm)	1.510	1.510	1.510	1.360	1.360
4.4	MFH	h_3 (mm)	1.510	1.510	1.510	1.510	1.510
4.5	Height, mast extended	h_4 (mm)	2.000	2.000	2.000	2.110	2.110
4.7	Overall fork height, max.	$h_3 + h_{13}$ (mm)	1.600	1.600	1.600	1.600	1.600
4.9	Height of control pedestrianle in operation min./max.	h_{14} (mm)	430/1.150	490/1.230	490/1.230	580/1.130	580/1.130
4.15	Height lowered	h_{13} (mm)	90	90	90	90	90
4.19	Overall lengths	l_1 (mm)	1.120	1.330	1.330	1.790	1.790
4.20	Length inx. apron	l_2 (mm)	320	530	530	640	640
4.21	Width	b_1/b_2 (mm)	800	800	800	750	750
4.22	Fork dimensions	s/e/l (mm)	40 x 100 x 800	50 x 100 x 800	50 x 120 x 800	65 x 160 x 1.150	65 x 160 x 1.150
4.24	Fork carriage width	b_3 (mm)	800	800	800	760	760
4.25	Outside dimension of forks	b_5 (mm)	200-800	200-800	200-800	530	530
4.31	Ground clearance under mast with load	m_1 (mm)	40	20	20	28	28
4.32	Ground clearance, wheelbase centre	m_2 (mm)	40	20	20	28	28
4.34	Aisle width with pallet 800 x 1200, longitudinal	A_{st} (mm)	1.500	1.600	1.600	1.700	1.700
4.35	Turning circle radius	W_a (mm)	1.070	1.190	1.190	1.340	1.340

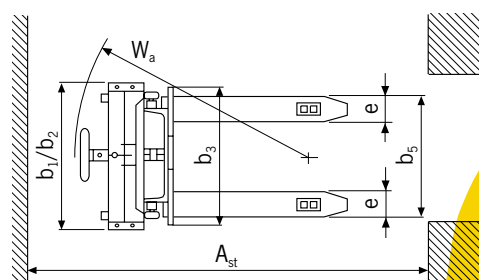
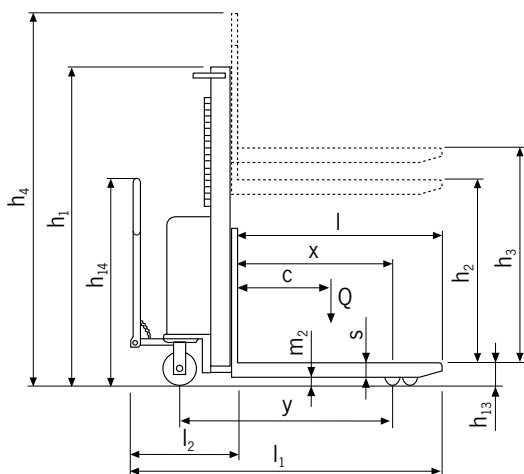
Performance

5.2	Lifting speed with/without load		90/18	90/18	90/18	60/26	60/26
5.3	Lowering speed with/without load		metered	metered	metered	metered	metered
5.10	Service brake		mechanical	mechanical	mechanical	mechanical	mechanical

Other

8.1	Type of control		pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
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*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S)

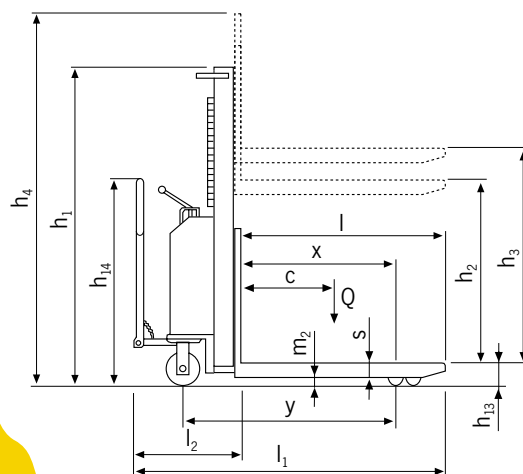


**Technical
Data
HV TH**

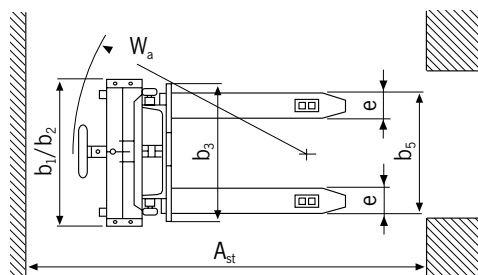
Manual Drive Stackers HV

Designations	1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH			
	1.2	Type code of manufacturer		TM 10-09	TM 10-16	TM 10-20	TM 12-16
	1.3	Drive-electric, diesel, petrol, LPG, mains		Hand	Hand	Hand	Hand
	1.4	Steering-hand, pedestrian, standing, seated, order picking		Hand	Hand	Hand	Hand
	1.5	Load capacity/load	Q (t)	1,0	1,0	1,0	1,2
	1.6	Load centre	c (mm)	600	600	600	600
	1.8	Load distance	x (mm)	630	630	630	770
	1.9	Wheelbase	y (mm)	965	965	965	1.160
	W	2.1	Tare weight	kg	285	287	297
Wheels, transmission	3.1	Tyre*		VG/PA	VG/PA	VG/PA	VG/PUR
	3.2	Wheel size front	mm	200 x 50	200 x 50	200 x 50	200 x 50
	3.3	Wheel size rear	mm	82 x 70	82 x 70	82 x 70	80 x 70
	3.5	No. of wheels, front/rear (x = driven)		2/2	2/2	2/2	2/2
	3.6	Track, front	mm	410	410	410	645
	3.7	Track, rear	mm	620	620	620	370
	Dimensions	4.2	Height, mast retracted	h ₁ (mm)	1.300	1.970	2.370
4.3		Free lift	h ₂ (mm)	810	1.510	1.910	1.360
4.4		MFH	h ₃ (mm)	810	1.510	1.910	1.510
4.5		Height, mast extended	h ₄ (mm)	1.300	1.970	2.370	2.110
4.7		Overall fork height, max.	h ₃ + h ₁₃ (mm)	900	1.600	2.000	1.600
4.9		Height of control handle in operation min./max.	h ₁₄ (mm)	1.081	1.081	1.081	580/1.120
4.15		Height lowered	h ₁₃ (mm)	90	90	90	90
4.19		Overall length	l ₁ (mm)	1.750	1.750	1750	1.810
4.20		Length incl. apron	l ₂ (mm)	600	600	600	660
4.21		Width	b ₁ /b ₂ (mm)	750	750	750	750
4.22		Fork dimensions	s/e/l (mm)	70 x 150 x 1.150	70 x 150 x 1.150	70 x 150 x 1.150	65 x 160 x 1.150
4.24		Fork carriage width	b ₃ (mm)	650	650	650	760
4.25		Outside dimension of forks	b ₅ (mm)	560	560	560	530
4.31		Ground clearance under mast with load	m ₁ (mm)	265	265	265	28
4.32		Ground clearance, wheelbase centre	m ₂ (mm)	40	40	40	28
Performance	4.34	Aisle width with pallet 800 x 1200, longitudinal	A _{st} (mm)	2.210	2.210	2.210	1.700
	4.35	Turning circle radius	W _a (mm)	1.440	1.440	1.440	1.340
	5.2	Lifting speed with/wihout load	m/s	0,09/0,12	0,09/0,12	0,09/0,12	0,11/0,15
Performance	5.3	Lowering speed with/without load	m/s	0,09/0,12	0,4/0,1	0,4/0,1	0,12/0,11
	5.10	Service brake		mechanical	mechanical	mechanical	mechanical
	Drive	6.2	Hoist motor rating at S3 15%	kW	1,6	1,6	1,6
6.3		Battery acc. to DIN 43531/35/36 A, B, C, no		Starter	Starter	Starter	Starter
6.4		Battery voltage, capacity K _s	V/Ah	12/70	12/70	12/70	12/100-190
6.5		Battery weight	kg	18/3,0	18/30	18/30	50
Other	8.1	Type of control		Hand	Hand	Hand	Hand
	8.2	Battery charger (integral)	V/A	12/15	12/15	12/15	12/15

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Starter battery (Starter)



TM 12–25	TM 12–29	TM 12–35	TM 15–16	TM 15–25	TM 15–30	TM 15–35
Hand	Hand	Hand	Hand	Hand	Hand	Hand
Hand	Hand	Hand	Hand	Hand	Hand	Hand
1,2	1,2	1,2	1,5	1,5	1,5	1,5
600	600	600	600	600	600	600
785	785	785	770	740	740	740
1.120	1.155	1.130	1.180	1.180	1.180	1.180
388	404	449	394	470	500	542
PUR/PA	PUR/PA	PUR/PA	VG/PUR	VG/PUR	VG/PUR	VG/PUR
200 x 50	200 x 50	200 x 50	200 x 50	200 x 50	200 x 50	200 x 50
82 x 70	82 x 70	82 x 70	80 x 70	80 x 70	80 x 70	80 x 70
2/2	2/2	2/2	2/2	2/2	2/2	2/2
410	410	410	645	645	645	875
720	720	720	370	370	370	370
1.780	1.980	2.250	1.990	1.750	1.990	2.250
–	–	80	1.360	110	110	–
2.410	2.810	3.410	1.510	2.410	2.910	3.410
2.990	3.410	3.900	2.110	3.030	3.530	4.030
2.500	2.900	3.500	1.600	2.500	3.000	3.500
1.081	1.081	1.081	580/1.120	580/1.120	580/1.120	580/1.120
90	90	90	90	90	90	90
1.850	1.850	1.850	1.830	1.830	1.830	1.830
700	700	700	630	680	680	720
850	850	850	750	750	750	1.000
70 x 150 x 1.150	70 x 150 x 1.150	70 x 150 x 1.150	65 x 160 x 1.150	65 x 160 x 1.150	65 x 160 x 1.150	65 x 160 x 1.150
650	650	650	760	760	760	760
560	560	560	530	530	530	530
265	265	265	28	28	28	28
40	40	40	28	28	28	28
2.375	2.375	2.375	1.700	1.700	1.700	1.700
1.760	1.760	1.760	1.360	1.360	1.360	1.360
0,07/0,1	0,07/0,1	0,07/0,1	0,11/0,15	0,11/0,15	0,11/0,15	0,11/0,15
0,4/0,1	0,4/0,1	0,1/0,1	0,12/0,11	0,12/0,11	0,12/0,11	0,12/0,11
mechanical	mechanical	mechanical	mechanical	mechanical	mechanical	mechanical
2,2	2,2	2,2	2,1	2,1	2,1	2,1
Starter	Starter	Starter	Starter	Starter	Starter	Starter
2 x 12/70	2 x 12/70	2 x 12/70	12/155–190	12/190	12/190	12/190
36/50	36/50	36/50	50	50	50	50
Hand	Hand	Hand	Hand	Hand	Hand	Hand
24/13	24/13	24/13	12/15	12/15	12/15	12/15



**Technical
Data
HV TM**



Electric Pedestrian Stackers

Little Mule® Electric Pedestrian Stackers EGV, EGI, EGY

Little Mule® electric pedestrian stackers are designed for the in-plant transport and stacking of palletised goods up to 2000 kg. Economical for medium to heavy applications and in confined, congested areas or where weights are restricted e.g. in lifts.

The stackers are fitted as standard with a multifunction control handle, impulse control and central drive unit. They are environmentally friendly, safe and easy to operate.

The welded mast construction is engineered from precision profiles and is available in heights up to 4500 mm. Simplex, duplex, triplex, Hi-Vis and free-lift masts are available. The initial lift design provides a high ground clearance.

The stackers with wide track and in particular the model EGY with four-way technique are ideal for transporting long goods.

Little Mule® electric pedestrian stackers can be fitted with Little Mule® attachments for many different applications

Electric Pedestrian Stackers EGV TG

Electric Pedestrian Stackers Model EGV TG

- ideal for stacking and transportation of palletised loads within a warehouse environment
 - economical for short haul and medium work load applications
 - available in lifting capacities up to 1000 kg and maximum fork height 2900 mm
 - reliable impulse control for stepless regulation of drive speed
 - easy to use multifunctional control handle, if the handle is released the brake is automatically applied
 - compact electric/hydraulic lifting device, overload protection and finely metered lowering of load through pressure relief valve and adjustable lowering valve
 - mast welded from precision profiles, fork carriage with maintenance free guide rollers
-
- robust frame with one drive wheel, two load and two stabilising rollers
 - battery and battery charger are supplied with the unit



Electric Pedestrian Stackers EGV LE

Electric Pedestrian Stackers Model EGV LE

- ideal for stacking and transportation of palletised loads within a warehouse environment
- economical for long haul and high work load applications
- drivers platform (optional)
- available in lifting capacities up to 1600 kg and maximum fork height 3600 mm
- reliable impulse control for stepless regulation of drive speed
- easy to use multifunctional control handle, if the handle is released the brake is automatically applied
- compact electric/hydraulic lifting device, overload protection and finely metered lowering of load through pressure relief valve and adjustable lowering valve
- mast welded from precision profiles, fork carriage with maintenance free guide rollers
- robust frame with one drive wheel, two load and two stabilising rollers
- battery size (PzS max. 210 Ah) depends on the type of application and is to be ordered separately together with battery charger



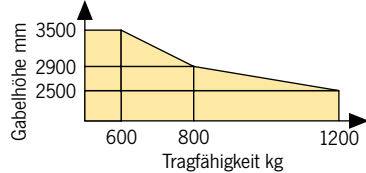
Review see page 46.

Gabelhochhub- wagen HV, EGV, EGI und EGY

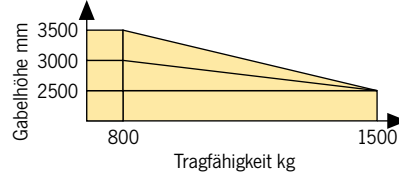
Resttragfähigkeiten für Little Mule Hand- Gabelhochhubwagen HV und Elektro-Geh- Gabelhochhubwagen EGV, EGI und EGY

- Die Tragfähigkeitseinschränkung beginnt bei allen Fahrzeugen ab einer Gabelhöhe $h_3 = 2.500 \text{ mm}$
- Nachfolgend die Lastendiagramme für die Geräte mit Gabelhöhen h_3 von über 2.500 mm

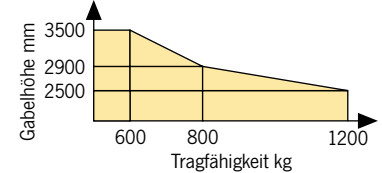
Modell HV TM
12-25/12-29/12-35



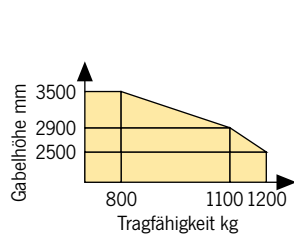
Modell HV TM
15-25/15-30/15-35



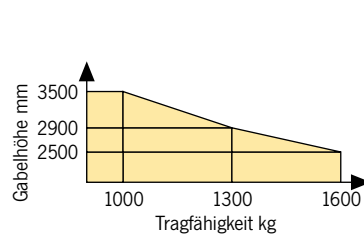
Modell EGV TG
12-25/12-29/12-35



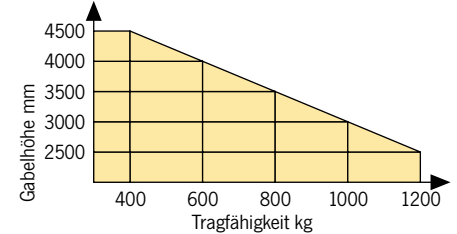
Modell EGV LE
12-25/12-29/12-35



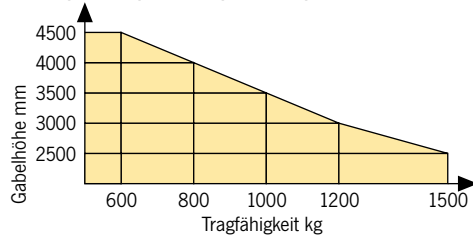
Modell EGV LE
16-25/12-29/16-35



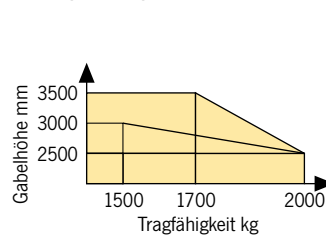
Modell EGV LV
15-25/12-30/12-35T/12-40T/12-45T



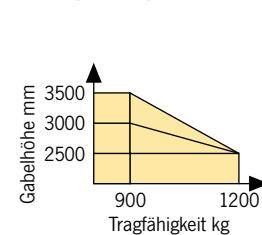
Modell EGV LV
15-25/15-30/15-35T/15-40T/15-45T



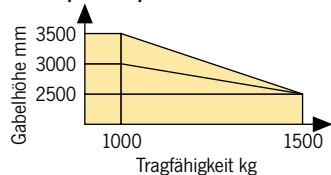
Modell EGV LV
20-25/20-30/20-35



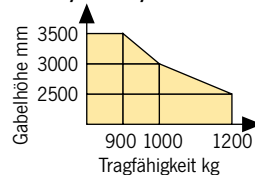
Modell EGI LD
12-25/12-30/12-35



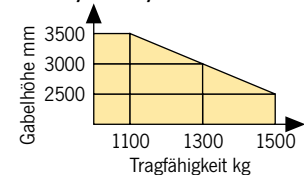
Modell EGI LD
15-25/15-30/15-35



Modell EGY LW
12-25/12-30/12-35



Modell EGY LW
15-25/15-30/15-35



Elektro-Geh- Gabelhochhub- wagen EGV LV

Elektro-Geh-Gabelhochhubwagen Modell EGV LV

- ideal im innerbetrieblichen Einsatz unter anspruchsvollen Bedingungen für den Transport und das Stapeln von palettierten Lasten
- große Übersicht bei Fahrmanövern und bei dem Positionieren der Last mit dem Freisichtmast
- geringe Bauhöhe bei großen Hubhöhen mit TRIPLEX - Mast
- vielseitige Einsatzmöglichkeiten mit verschiedenen Little Mule® Stapler-Anbaugeräten
- lieferbar in Tragfähigkeiten bis 2000 kg und Gabelhöhen bis 4500 mm
- zuverlässige Impulssteuerung zur stufenlosen Regulierung der Fahrgeschwindigkeit
- Multifunktionsdeichsel für eine leichte Handhabung
- Hubeinrichtung mit elektrohydraulischem Kompaktaggregat, Überlastsicherung und schonendes Absetzen der Last durch Überdruckventil und einstellbares Senkbremsventil
- geschweißte Mastkonstruktion aus Präzisionsprofilen, der Gabelträger ist mit wartungsfreien Führungsrollen ausgestattet
- robustes Fahrgestell mit einem Antriebsrad und zwei Stützrädern sowie vier Lastrollen
- durch unterschiedliche Batteriekapazitäten (PzS max. 276 Ah) wird das Fahrzeug der Einsatzdauer angepasst, Batterie und Ladegerät sind separat auszuwählen



Übersicht siehe Seite 46.

Electric Pedestrian Stackers with Initial Lift EGI LD

Electric Pedestrian Stackers with Initial Lift Model EGI LD

- for double deck loading in demanding conditions on inclines and ramps
- ideal for transporting two palletised loads at once
- can be used in many applications with different attachments
- available in lifting capacities up to 1500 kg and maximal fork height 3500 mm
- reliable impulse control for stepless regulation of drive speed
- easy to use multifunctional control handle
- compact electric/hydraulic lifting device, overload protection and finely metered lowering of load through pressure relief valve and adjustable lowering valve
- mast welded from precision profiles, fork carriage with maintenance free guide rollers
- robust frame with one drive wheel, two stabilising wheels and four load rollers
- battery size (PzS max. 276 Ah) depends on the type of application and is to be ordered separately together with a battery charger



Electric Pedestrian Four-Way Stackers EGY LW

Electric Pedestrian Four-Way Stackers Model EGY LW

- ideal for transporting and stacking long goods under demanding conditions
- takes maximal advantage of available storage space by using four-way technique, load wheels can be hydraulically rotated 90°
- excellent all round vision when manoeuvring and positioning the load due to high visibility mast
- can be used in many applications with different attachments
- available in lifting capacities up to 1500 kg and maximal fork height 3500 mm
- reliable impulse control for stepless regulation of drive speed
- easy to use multifunctional control handle
- compact electric/hydraulic lifting device, overload protection and finely metered lowering of load through pressure relief valve and adjustable lowering valve
- mast welded from precision profiles, fork carriage with maintenance free guide rollers, forks are adjustable
- robust frame with one drive wheel, two stabilising wheels and four load rollers
- battery size (PzS max. 276 Ah) depends on the type of application and is to be ordered separately together with a battery charger



Review see page 46.

Pedestrian Stackers Review



Application
Haul
Max. lift capacity
Max. fork height

Electric Pedestrian Stackers Model EGV TG

Stacking/transporting/handling
Short - medium
1.2 t (up to MFH = 2500 mm)
3500 mm



Application
Haul
Max. lift capacity
Max. fork height

Electric Pedestrian Stackers Model EGV LV

Stacking/transporting/handling
Long
2 t (up to MFH = 2500 mm)
4500 mm



Application
Haul
Max. lift capacity
Max. fork height

Electric Pedestrian Stackers Model EGV LE

Stacking/transporting/handling
Long
1.6 t (up to MFH = 2500 mm)
3500 mm



Application
Haul
Max. lift capacity
Max. fork height

Electric Pedestrian Stackers with Initial Lift Model EGI LD

Stacking/transporting/handling/
inclined surfaces
Long
1.5 t (up to MFH = 2500 mm)
3500 mm



Application
Haul
Max. lift capacity
Max. fork height

Electric Pedestrian Stackers Model EGY LW

Stacking/transporting/handling
Medium
1.5 t (up to MFH = 2500 mm)
3500 mm

Pedestrian Stackers Review

	EGV TG	EGV LE	EGV LV	EGI LD	EGY LW
Lifting capacity, max. (t)	1,2	1,6	2,0	1,5	1,5
Fork height, max. (mm)	3.500	3.500	4.500	3.500	3.500
Free lift	✓	✓	✓	✓	✓
Initial lift	–	–	–	✓	–
Drive	electric	electric	electric	electric	electric
Battery	Starter/PzS	PzS	PzS	PzS	PzS
Impulse control	✓	✓	✓	✓	✓
Wide track truck	–	–	0	0	✓
Economical for application	medium	heavy	very heavy	very heavy	very heavy
Drivers platform	–	0	0	0	0
Adjustable forks	–	–	0	0	0
Mechanical drum grab	–	–	0	0	0
Hydraulic drum clamp	–	–	0	0	0
Drum tipper	–	–	0	0	0
Ram for hoop transport	–	–	0	0	0
Crane hook	–	–	0	0	0
Hydraulic control valve	–	–	0	0	0
Electric rotating device	–	–	0	0	0
Wide truck chassis	–	–	0	0	0
Battery quick change device	–	–	0	0	0
Special free lift	–	–	0	0	0

Standard equipment (✓), Not possible (–), Optional (0), Starter battery (Starter), Traction battery (PzS)

Technical Data see page 49.

Questionnaire for quotations:

☐ **Pedestrian Stackers**
HV, EGV, EGI, EGY*

☐ **Pallet Lift trucks**
EGU, EKU*

Company: _____

Branch: _____

Postal code / city: _____

Street: _____

Contact: _____

Telephone: _____

Telefax: _____

Lifting capacity: _____ t

MFH: _____ mm

Free lift: _____ mm

Drive: 1. lifting ☐ manual/hydraulic ☐ electric/hydraulic
 2. drive ☐ manual ☐ electric

Required residual lifting capacity: _____ t

At fork height: _____ mm

Headroom with mast retracted: _____ mm

Type of application:

Transport and stacking of

☐ Palletised goods

☐ Long goods

☐ Loading lorries

☐ Special requests: _____

Lengths of application per shift:

☐ up to 2 hours

☐ up to 4 hours

☐ up to 6 hours

☐ up to 8 hours

Shifts per day: _____

Driver's platform:

☐ yes

☐ no

Attachments (for choice see pages 58–59): _____

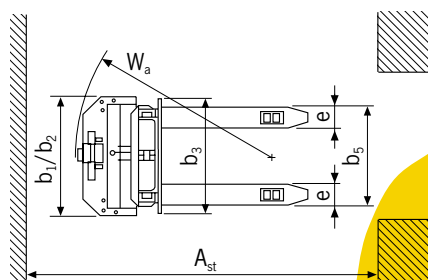
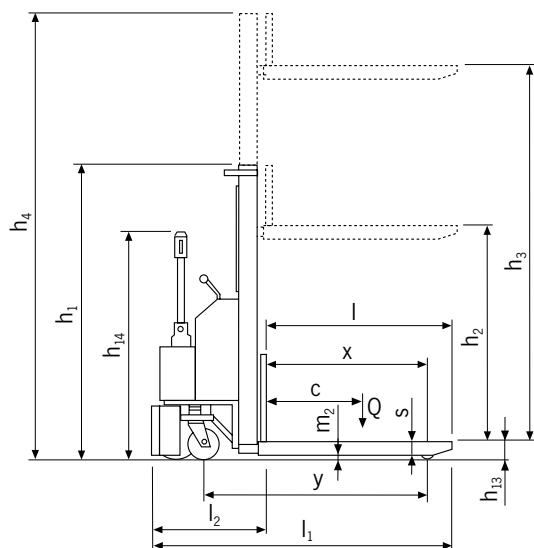
*According to VDI 2198

☒ Please mark requirements

Electric Pedestrian Stackers EGV

Designations	1.1	Manufacturer (abbreviation)					
	1.2	Type code of manufacturer	TG 10–16	TG 10–20	TG 12–25	TG 12–29	TG 12–35
	1.3	Drive-electric, diesel, petrol, LPG, mains	electric	electric	electric	electric	electric
	1.4	Steering-hand, pedestrian, standing, order picking	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
	1.5	Load capacity/load	Q (t)	1,0	1,2	1,2	1,2
	1.6	Load centre	c (mm)	600	600	600	600
	1.8	Load distance	x (mm)	785	785	785	785
	1.9	Wheelbase	y (mm)	1.190	1.190	1.190	1.190
W	2.1	Tare weight	kg	354	374	446	461
Wheels, transmission	3.1	Tyre*	VG/PUR	VG/PUR	VG/PUR	VG/PUR	VG/PUR
	3.2	Wheel size front	mm	240 x 60 + 150 x 40	240 x 60 + 150 x 40	250 x 76 + 150 x 40	250 x 76 + 150 x 40
	3.3	Wheel size rear	mm	82 x 70	82 x 70	82 x 70	82 x 70
	3.5	No. of wheels, front/rear (x = driven)		2+1x/2	2+1x/2	2+1x/2	2+1x/2
	3.6	Track, front	mm	410	410	410	410
	3.7	Track, rear	mm	720	720	720	720
	3.7	Track, rear	mm	720	720	720	720
Dimensions	4.2	Height, mast retracted	h_1 (mm)	1.970	2.370	1.780	1.980
	4.3	Free lift	h_2 (mm)	1.510	1.910	–	–
	4.4	MFH	h_3 (mm)	1.510	1.910	2.410	2.810
	4.5	Height, mast extended	h_4 (mm)	1.970	2.370	2.990	3.410
	4.7	Overall fork height, max.	$h_3 + h_{13}$ (mm)	1.600	2.000	2.500	2.900
	4.9	Height of control handle in operation min./max.	h_{14} (mm)	1.350	1.350	1.350	1.350
	4.15	Height lowered	h_{13} (mm)	90	90	90	90
	4.19	Overall length	l_1 (mm)	1.825	1.825	1.825	1.825
	4.20	Length incl. apron	l_2 (mm)	675	675	675	675
	4.21	Width	b_1/b_2 (mm)	850	850	850	850
	4.22	Fork dimensions	s/e/l (mm)	70 x 150 x 1.150	70 x 150 x 1.150	70 x 150 x 1.150	70 x 150 x 1.150
	4.24	Fork carriage width	b_3 (mm)	650	650	650	650
	4.25	Outside dimension of forks	b_5 (mm)	560	560	560	560
	4.31	Ground clearance undr mst with load	m_1 (mm)	40	40	40	40
	4.32	Ground clearance, wheelbase centre	m_2 (mm)	40	40	40	40
Performance	4.34	Aisle width with pallet 800 x 1200, longitud.	A_{st} (mm)	2.075	2.075	2.075	2.075
	4.35	Turning circle radius	W_a (mm)	1.460	1.460	1.460	1.460
	5.1	Travel speed with/without load	km/h	4,0/5,0	4,0/5,0	4,0/5,0	4,0/5,0
	5.2	Lifting speed with/without load	m/s	0,09/0,12	0,09/0,12	0,07/0,1	0,07/0,1
	5.3	Lowering speed with/without load	m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
	5.7	Gradient with/without load	%	5/10	5/10	5/10	5/10
	5.8	Max. gradient with/without load	%	5/10	5/10	5/10	5/10
Drive	5.10	Service brake		electric	electric	electric	electric
	6.1	Drive motor rating S2 60 min	kW	0,5	0,5	0,7	0,7
	6.2	Hoist motor rating S3 15%	kW	2,2	2,2	2,2	2,2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		Starter	Starter	Starter	Starter
	6.4	Battery voltage, capacity K_s	V/Ah	2 x 12/70	2 x 12/70	2 x 12/92	2 x 12/92
	6.5	Battery weight	kg	36/50	36/50	44/84	44/84
Other	8.1	Type of control		Impulse	Impulse	Impulse	Impulse
	8.2	Battery charger (integral)	V/A	24/13	24/13	24/20	24/20

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Starter battery (Starter), Traction battery (PzS)

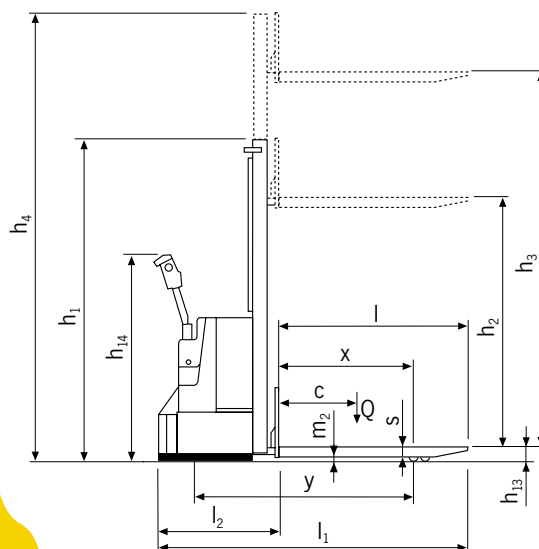


**Technical
Data
EGV TG**

Electric Pedestrian Stackers EGV

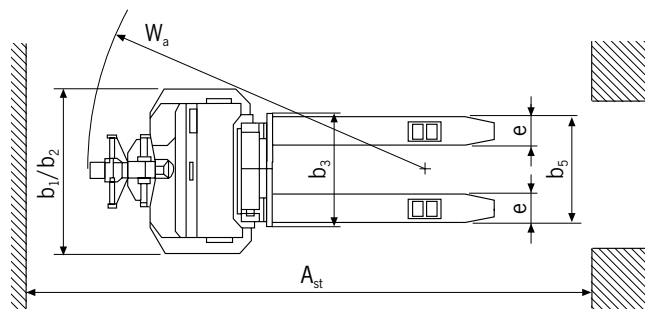
Designations	1.1	Manufacturer (abbreviation)	Yale Industrial Products GmbH				
	1.2	Type code of manufacturer	LE 12-16	LE 12-25	LE 12-29	LE 12-35	
	1.3	Drive-electric, diesel, petrol, LPG, mains	electric	electric	electric	electric	
	1.4	Steering-hand, pedestrian, standing, seated, order picking	pedestrian	pedestrian	pedestrian	pedestrian	
	1.5	Load capacity/load	Q (t)	1,2	1,2	1,2	
	1.6	Load centre	c (mm)	600	600	600	
	1.8	Load distance	x (mm)	600	600	600	
	1.9	Wheelbase	y (mm)	1.235	1.235	1.235	1.235
W	2.1	Tare weight (with battery 160 Ah)	kg	640	715	740	780
Wheels, transmission	3.1	Tyre*	PUR + VG/PUR	PUR + VG/PUR	PUR + VG/PUR	PUR + VG/PUR	
	3.2	Wheel size front	mm	← 250 x 76 x 125 x 50 →			
	3.3	Wheel size rear	mm	82x70	82x70	82 x70	82x70
	3.5	No. of wheels, front/rear (x = driven)		2+1x/ 2	2+1x/2	2+1x/ 2	2+1x/ 2
	3.6	Track, front (distance between fork rollers)	mm	410	410	410	410
	3.7	Track, rear (distance between stabilising rollers)	mm	720	720	720	720
	Dimensions	4.2	Height, mast retracted	h ₁ (mm)	1.965	1.765	1.965
4.3		Free lift	h ₂ (mm)	1.510	–	–	–
4.4		MFH	h ₃ (mm)	1.510	2.410	2.810	3.410
4.5		Height, mast extended	h ₄ (mm)	1.965	2.970	3.370	3.970
4.7		Overall fork height, max.	h ₃ + h ₁₃ (mm)	1.600	2.500	2.900	3.500
4.9		Height of control handle in operation min./max.	h ₁₄ (mm)	1.050/1.385	1.050/1.385	1.050/1.385	1.050/1.385
4.15		Height lowered	h ₁₃ (mm)	90	90	90	90
4.19		Overall lengths	l ₁ (mm)	1.964	1.964	1.964	1.964
4.20		Lengths incl. apron	l ₂ (mm)	809	809	809	809
4.21		Width	b ₁ /b ₂ (mm)	850	850	850	850
4.22		Fork dimensions	s/e/l (mm)	70x150x1.150	70x150x1.150	70x150x1.150	70x150x1.150
4.24		Fork carriage width	b ₃ (mm)	644	644	644	644
4.25		Outside dimension of forks	b ₅ (mm)	560	560	560	560
4.31		Ground clearance under mst with width	m ₁ (mm)	40	40	40	40
4.32		Ground clearance, wheelbase centre	m ₂ (mm)	20	20	20	20
4.34		Aisle width with pallet 800 x 1200, longitudinal	A _{st} (mm)	2.228	2.228	2.228	2.228
4.35		Turning circle radius	W _a (mm)	1.568	1.568	1.568	1.568
Performance	5.1	Travel speed with/without load	km/h	5,5/6	5,5/6	5,5/6	5,5/6
	5.2	Lifting speed with/without load	m/s	0,08/0,12	0,08/0,12	0,08/0,12	0,08/0,12
	5.3	Lowering speed with/without load	m/s	0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
	5.7	Gradient with/without load	%	5/10	5/10	5/10	5/10
	5.8	Max. gradient with/without load	%	5/10	5/10	5/10	5/10
	5.10	Service brake		electric	electric	electric	electric
Drive	6.1	Drive motor rating S2 60 min	kW	1,2	1,2	1,2	1,2
	6.2	Hoist motor rating at S3 15%	kW	2,5	2,5	2,5	2,5
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		PzS	PzS	PzS	PzS
	6.4	Battery voltage, capacity K ₅	V/Ah	24/160-210	24/160-210	24/160-210	24/160-210
	6.5	Battery weight	kg	190-300	190-300	190-300	190-300
Other	8.1	Type of control		Impulse	Impulse	Impulse	Impulse

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Traction battery (PzS)



**Technical
Data
EGV LE**

Yale Industrial Products GmbH			
LE 16-16	LE 16-25	LE 16-29	LE 16-35
electric	electric	electric	electric
pedestrian	pedestrian	pedestrian	pedestrian
1,6	1,6	1,6	1,6
600	600	600	600
600	600	600	600
1.319	1.319	1.319	1.319
730	825	850	890
PUR + VG/PUR	PUR + VG/PUR	PUR + VG/PUR	PUR + VG/PUR
← 250 x 101 x 125 x 50 →			
82x70	82x70	82x70	82x70
2+1x/4	2+1x/4	2+1x/4	2+1x/4
390	390	390	390
720	720	720	720
1.965	1.765	1.965	2.265
1.510	–	–	–
1.510	2.410	2.810	3.410
1.965	2.970	3.370	3.970
1.600	2.500	2.900	3.500
970/1.385	970/1.385	970/1.385	970/1.385
90	90	90	90
1.991	1.991	1.991	1.991
809	809	809	809
850	850	850	850
70x170x1.150	70x170x1.150	70x170x1.150	70x170x1.150
644	644	644	644
560	560	560	560
40	40	40	40
20	20	20	20
2.241	2.241	2.241	2.241
1.649	1.649	1.649	1.649
5,5/6	5,5/6	5,5/6	5,5/6
0,07/0,10	0,07/0,10	0,07/0,10	0,07/0,10
0,4/0,1	0,4/0,1	0,4/0,1	0,4/0,1
5/10	5/10	5/10	5/10
5/10	5/10	5/10	5/10
electric	electric	electric	electric
1,2	1,2	1,2	1,2
2,5	2,5	2,5	2,5
PzS	PzS	PzS	PzS
24/160-210	24/160-210	24/160-210	24/160-210
190-300	190-300	190-300	190-300
Impulse	Impulse	Impulse	Impulse

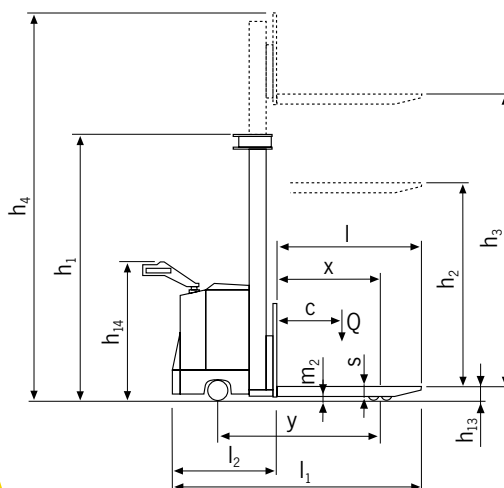


**Technical
Data
EGV LE**

Electric Pedestrian Stackers EGV LV

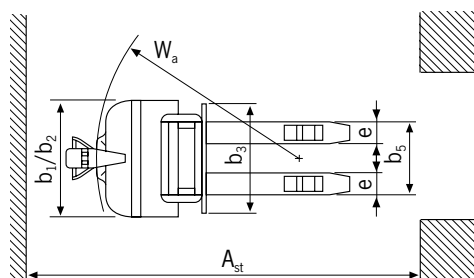
Designations	1.1	Manufacturer (abbreviation)	Yale Industrial Products GmbH					
	1.2	Type code of manufacturers	LV 12-16	LV 12-25	LV 12-30	LV 12-35	LV 12-40	LV 12-45
	1.3	Drive-electric, diesel, petrol, LPG, mains	electric	electric	electric	electric	electric	electric
	1.4	Steering-hand, pedestrian, standing, seated, order picking	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
	1.5	Load capacity/load	Q (t)	1,2	1,2	1,2	1,2	1,2
	1.6	Load centre	c (mm)	600	600	600	600	600
	1.8	Load distance	x (mm)	820	820	820	820	820
	1.9	Wheelbase	y (mm)	1.280	1.300	1.300	1.330	1.330
	2.1	Tare weight	kg	500	570	600	840	920
Wheels, transmission	3.1	Tyre*	VG/PUR	VG/PUR	VG/PUR	PUR/PUR	PUR/PUR	PUR/PUR
	3.2	Wheel size front	mm	240x75 + 125x50	240x75 + 125x50	240x105 + 125x50	240x105 + 125x50	240x105 + 125x50
	3.3	Wheel size rear	mm	80x70	80x70	80x70	80x70	80x70
	3.5	No. of wheels, front/rear (x = driven)		2 + 1x/4	2 + 1x/4	2 + 1x/4	2 + 1x/4	2 + 1x/4
	3.6	Track, front	mm	640	640	640	860	860
	3.7	Track, rear	mm	375	375	375	370	370
	3.7	Track, rear	mm	375	375	375	370	370
Dimensions	4.2	Height, mast retracted	h_1 (mm)	1.990	1.740	1.990	1.740	1.990
	4.3	Free lift	h_2 (mm)	1.360	110	110	-	-
	4.4	MFH	h_3 (mm)	1.510	2.410	2.910	3.410	4.410
	4.5	Height, mast extended	h_4 (mm)	2.110	3.030	3.530	4.030	5.020
	4.7	Overall fork height, max.	$h_3 + h_{13}$ (mm)	1.600	2.500	3.000	3.500	4.500
	4.9	Height of cont. handle in operat. min./max.	h_{14} (mm)	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200
	4.15	Height lowered	h_{13} (mm)	90	90	90	90	90
	4.19	Overall length	l_1 (mm)	1.960	1.980	1.980	2.010	2.010
	4.20	Length incl. apron	l_2 (mm)	810	830	830	860	860
	4.21	Width	b_1/b_2 (mm)	840	840	840	1.000	1.000
	4.22	Fork dimensions	s/e/l (mm)	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150
	4.24	Fork carriage width	b_3 (mm)	760	760	760	760	760
	4.25	Outside dimension of forks	b_5 (mm)	535	535	535	530	530
	4.31	Ground clearance under mast with load	m_1 (mm)	30	30	30	30	30
	4.32	Ground clearance, wheelbase centre	m_2 (mm)	28	28	28	28	28
Performance	4.34	Aisle width with pallet 800 x 1200, longit.	A_{st} (mm)	1.900	1.900	1.900	1.900	1.900
	4.35	Turning circle radius	W_a (mm)	1.575	1.595	1.595	1.630	1.630
	5.1	Travel speed with/without load	km/h	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3
	5.2	Lifting speed with/without load	m/s	0,1/0,14	0,1/0,14	0,1/0,14	0,1/0,14	0,1/0,14
	5.3	Lowering speed with/without load	m/s	0,17/0,13	0,17/0,13	0,17/0,13	0,17/0,13	0,17/0,13
	5.7	Gradient with/without load	%	5/10	5/10	5/10	5/10	5/10
	5.8	Max. gradient with/without load	%	5/10	5/10	5/10	5/10	5/10
Drive	5.10	Service brake		electric	electric	electric	electric	electric
	6.1	Drive motor rating S2 60 min	kW	1,2	1,2	1,2	1,2	1,2
	6.2	Hoist motor rating at S3 15%	kW	2	2	2	2	2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no	PzS	PzS	PzS	PzS	PzS	PzS
	6.4	Battery voltage, capacity K_5	V/Ah	24/276	24/276	24/276	24/276	24/276
	6.5	Battery weight	kg	120-230	120-230	120-230	120-230	120-230
Other	8.1	Type of control		Impulse	Impulse	Impulse	Impulse	Impulse

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Traction battery (PzS)



**Technical
Data
EGV LV**

Yale Industrial Products GmbH									
LV 15-16	LV 15-25	LV 15-30	LV 15-35	LV 15-40	LV 15-45	LV 20-16	LV 20-25	LV 20-30	LV 20-35
electric	electric	electric	electric	electric	electric	electric	electric	electric	electric
pedestrian	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian	pedestrian
1,5	1,5	1,5	1,5	1,5	1,5	2,0	2,0	2,0	2,0
600	600	600	600	600	600	600	600	600	600
820	820	820	820	820	820	820	820	820	820
1.280	1.300	1.300	1.330	1.330	1.330	1.300	1.320	1.320	1.320
720	790	820	990	1.020	1.090	816	1.031	1.066	1.100
PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR	PUR/PUR
← 240x105 + 125x50 →					← 240x125 + 125x50 →				
80x70	80x70	80x70	80x70	80x70	80x70	80x70	80x70	80x70	80x70
2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4
640	640	640	860	860	860	860	860	860	860
375	375	375	370	370	370	380	380	380	380
1.990	1.750	1.990	1.740	1.900	2.080	1.990	1.750	1.990	2.250
1.360	110	110	–	–	–	1.360	110	110	–
1.510	2.410	2.910	3.410	3.910	4.410	1.510	2.410	2.910	3.410
2.110	3.030	3.530	4.050	4.500	5.020	2.110	3.030	3.530	4.030
1.600	2.500	3.000	3.500	4.000	4.500	1.600	2.500	3.000	3.500
1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200
90	90	90	90	90	90	90	90	90	90
1.960	1.980	1.980	2.010	2.010	2.010	1.960	2.000	2.000	2.000
810	830	830	860	860	860	830	850	850	850
840	840	840	1.000	1.000	1.000	1.000	1.000	1.000	1.000
65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150	65x160x1.150
760	760	760	760	760	760	760	760	760	760
535	535	535	530	530	530	560	560	560	560
30	30	30	30	30	30	25	25	25	25
28	28	28	28	28	28	23	23	23	23
1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900
1.575	1.595	1.595	1.630	1.630	1.630	1.595	1.615	1.615	1.615
4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3
0,09/0,14	0,09/0,14	0,09/0,14	0,1/0,14	0,1/0,14	0,1/0,14	0,07/0,11	0,07/0,11	0,07/0,11	0,07/0,11
0,17/0,13	0,17/0,13	0,17/0,13	0,17/0,13	0,17/0,13	0,17/0,13	0,09/0,06	0,09/0,06	0,09/0,06	0,09/0,06
5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10	5/10
electric	electric	electric	electric	electric	electric	electric	electric	electric	electric
1,2	1,2	1,2	1,2	1,2	1,2	1,3	1,3	1,3	1,3
2	2	2	2,5	2,5	2,5	2	2	2	2
PzS	PzS	PzS	PzS	PzS	PzS	PzS	PzS	PzS	PzS
24/276	24/276	24/276	24/276	24/276	24/276	24/276	24/276	24/276	24/276
120-230	120-230	120-230	120-230	120-230	120-230	120-230	120-230	120-230	120-230
Impulse	Impulse	Impulse	Impulse	Impulse	Impulse	Impulse	Impulse	Impulse	Impulse

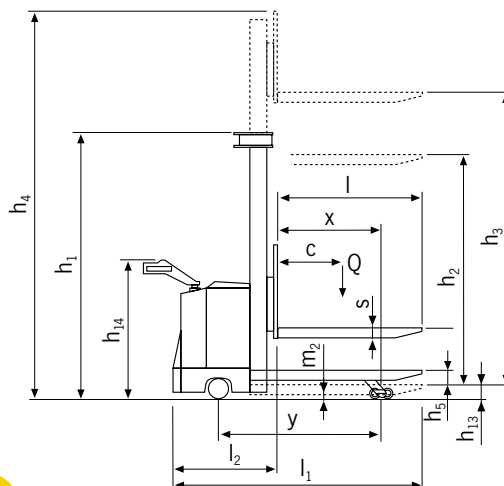


**Technical
Data
EGV LV**

Electric Pedestrian Stackers EGI LD

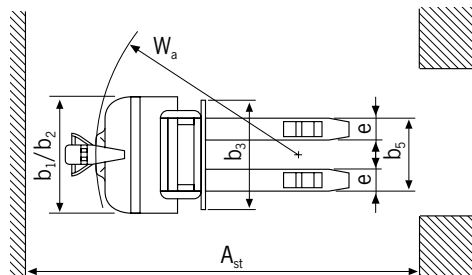
			Yale Industrial Products GmbH		
Designations	1.1	Manufacturer (abbreviation)			
	1.2	Type code of manufacturer	LD 12-16	LD 12-25	LD 12-30
	1.3	Drive-electric, diesel, petrol, LPG, mains	electric	electric	electric
	1.4	Steering-hand, pedestrian, standing, seated, order picking	pedestrian	pedestrian	pedestrian
	1.5	Load capacity/load	Q (t)	1,2	1,2
	1.6	Load centre	c (mm)	600	600
W	1.8	Load distance	x (mm)	920	920
	1.9	Wheelbase	y (mm)	1.470	1.470
	2.1	Tare weight	kg	613	677
	3.1	Tyre*	VG/PUR	VG/PUR	VG/PUR
	3.2	Wheel size front	mm	240x75+125x50	240x75+125x50
	3.3	Wheel size rear	mm	80x70	80x70
Wheels, transmission	3.5	No. of wheels, front/rear (x = driven)		2+1x/4	2+1x/4
	3.6	Track, front	mm	640	640
	3.7	Track, rear	mm	375	375
	4.2	Height, mast retracted	h ₁ (mm)	1.990	1.990
	4.3	Free lift	h ₂ (mm)	110	110
	4.4	MFH	h ₃ (mm)	1.510	2.910
Dimensions	4.5	Height, mast extended	h ₄ (mm)	2.110	3.530
	4.6	Initial lift	h ₅ (mm)	110	110
	4.7	Overall fork height, max.	h ₃ + h ₁₃ (mm)	1.600	3.000
	4.9	Height of control handle in operation min./max.	h ₁₄ (mm)	1.045/1.200	1.045/1.200
	4.15	Height lowered	h ₁₃ (mm)	90	90
	4.19	Overall lengths	l ₁ (mm)	2.085	2.085
	4.20	Length incl. apron	l ₂ (mm)	930	930
	4.21	Width	b ₁ /b ₂ (mm)	840	840
	4.22	Fork dimensions	s/e/l (mm)	65x160x1.150	65x160x1.150
	4.24	Fork carriage width	b ₃ (mm)	760	760
	4.25	Outside dimension of forks	b ₅ (mm)	565	565
	4.31	Ground clearance under mast with load	m ₁ (mm)	25	25
	4.32	Ground clearance, wheelbase centre	m ₂ (mm)	22	22
	4.34	Aisle width with pallet 800 x 1200, longitudinal	A _{st} (mm)	1.950	1.950
	4.35	Turning circle radius	W _a (mm)	1.770	1.770
Performance	5.1	Travel speed with/without load	km/h	4,2/5,3	4,2/5,3
	5.2	Lifting speed with/without load	m/s	0,12/0,18	0,12/0,18
	5.3	Lowering speed with/without load	m/s	0,25/0,15	0,25/0,15
	5.7	Gradient with/without load	%	5/10	5/10
	5.8	Max. gradient with/without load	%	5/10	5/10
	5.10	Service brake		electric	electric
Drive	6.1	Drive motor rating S2 60 min	kW	1,2	1,2
	6.2	Hoist motor rating at S3 15%	kW	2	2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		PzS	PzS
	6.4	Battery voltage, capacity K ₅	V/Ah	24/276	24/276
	6.5	Battery weight	kg	120-230	120-230
Other	8.1	Type of control		Impulse	Impulse

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Traction battery (PzS)



**Technical
Data
EGI LD**

LD 12-35 electric pedestrian	LD 15-16 electric pedestrian	LD 15-25 electric pedestrian	LD 15-30 electric pedestrian	LD 15-35 electric pedestrian
1,2	1,5	1,5	1,5	1,5
600	600	600	600	600
920	920	920	920	920
1.470	1.490	1.490	1.490	1.490
725	653	723	780	833
VG/PUR	VG/PUR	VG/PUR	VG/PUR	VG/PUR
240x75+125x50	240x75+125x50	240x75+125x50	240x75+125x50	240x75+125x50
80x70	80x70	80x70	80x70	80x70
2+1x/4	2+1x/4	2+1x/4	2+1x/4	2+1x/4
860	640	640	640	860
375	375	375	375	375
2.250	1.990	1.740	1.990	2.250
-	1.360	110	110	-
3.410	1.510	2.410	2.910	3.410
4.030	2.110	3.030	3.530	4.030
110	110	110	110	110
3.500	1.600	2.500	3.000	3.500
1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200	1.045/1.200
90	90	90	90	90
2.085	2.105	2.105	2.105	2.105
930	950	950	950	950
1.000	840	840	840	1.000
65x160x1.150	70x190x1.150	70x190x1.150	70x190x1.150	70x190x1.150
760	760	760	760	760
565	565	565	565	565
25	25	25	25	25
22	22	22	22	22
1.950	1.950	1.950	1.950	1.950
1.770	1.790	1.790	1.790	1.790
4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3	4,2/5,3
0,12/0,18	0,09/0,15	0,09/0,15	0,09/0,15	0,09/0,15
0,25/0,15	0,14/0,11	0,14/0,11	0,14/0,11	0,14/0,11
5/10	5/10	5/10	5/10	5/10
5/10	5/10	5/10	5/10	5/10
electric	electric	electric	electric	electric
1,2	1,2	1,2	1,2	1,2
2	2	2	2	2
PzS	PzS	PzS	PzS	PzS
24/276	24/276	24/276	24/276	24/276
120-230	120-230	120-230	120-230	120-230
Impulse	Impulse	Impulse	Impulse	Impulse

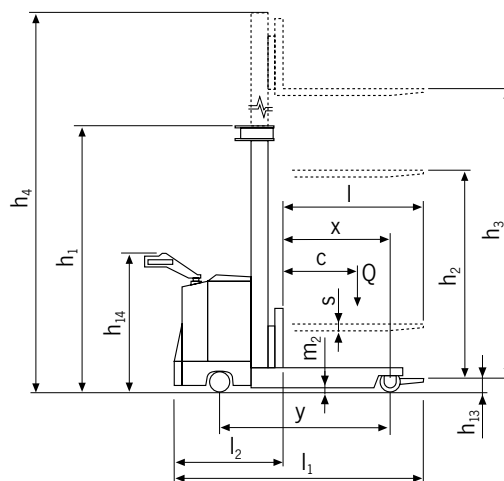


**Technical
Data
EGI LD**

Electric Pedestrian Four-Way Stackers EGY LW

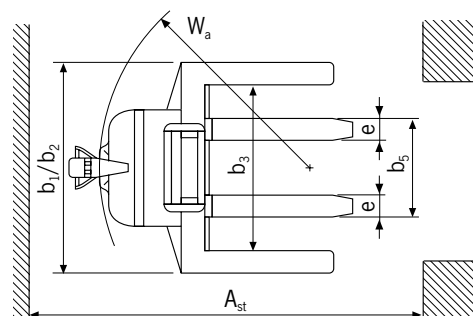
Designations	1.1	Manufacturer (abbreviation)		Yale Industrial Products GmbH		
	1.2	Type code of manufacturer		LW 12-16	LW 12-25	LW 12-30
	1.3	Drive-electric, diesel, petrol, LPG, mains		electric	electric	electric
	1.4	Steering-hand, pedestrian, standing, seated, order picking		pedestrian	pedestrian	pedestrian
	1.5	Load capacity/load	Q (t)	1,2	1,2	1,2
	1.6	Load centre	c (mm)	600	600	600
	1.8	Load distance	x (mm)	760	760	760
	1.9	Wheelbase	y (mm)	1.350	1.350	1.350
W	2.1	Tare weight	kg	560	660	695
Wheels, transmission	3.1	Tyre*		PUR/PUR	PUR/PUR	PUR/PUR
	3.2	Wheel size front	mm	240x105+125x50	240x105+125x50	240x105+125x50
	3.3	Wheel size rear	mm	80x70	80x70	80x70
	3.5	No. of wheels, front/rear (x = driven)		2+1x/4	2+1x/4	2+1x/4
	3.6	Track, front	mm	740	740	740
	3.7	Track, rear	mm	1.550	1.550	1.550
	Dimensions	4.2	Height, mast retracted	h ₁ (mm)	1.990	1.740
4.3		Free lift	h ₂ (mm)	1.030	130	130
4.4		MFH	h ₃ (mm)	1.530	2.430	2.930
4.5		Height, mast extended	h ₄ (mm)	2.400	3.300	3.810
4.7		Overall fork height, max.	h ₃ + h ₁₃ (mm)	1.600	2.500	3.000
4.9		Height of control handle in operation min./max.	h ₁₄ (mm)	1.045/1.200	1.045/1.200	1.045/1.200
4.15		Height lowered	h ₁₃ (mm)	70	70	70
4.19		Overall length	l ₁ (mm)	1.840	1.840	1.840
4.20		Length incl. spron	l ₂ (mm)	890	890	890
4.21		Width	b ₁ /b ₂ (mm)	1.670	1.670	1.670
4.22		Fork dimension	s/e/l (mm)	65x160x950	65x160x950	65x160x950
4.24		Distance between wheel arms	b ₃ (mm)	1.430	1.430	1.430
4.25		Outside dimension of forks	b ₅ (mm)	350-1.000	350-1.000	350-1.000
4.31		Ground clearance under mast with load	m ₁ (mm)	50	50	50
4.32		Ground clearance, wheelbase centre	m ₂ (mm)	90	90	90
4.34		Aisle width with pallet 800 x 1200, longitudinal	A _{st} (mm)	2.200	2.200	2.200
4.35		Turning circle radius	W _a (mm)	1.450	1.450	1.450
Performance	5.1	Travel speed with/without load	km/h	4,2/5,3	4,2/5,3	4,2/5,3
	5.2	Lifting speed with/without load	m/s	0,1/0,14	0,1/0,14	0,1/0,14
	5.3	Lowering speed with/without load	m/s	0,17/0,13	0,17/0,13	0,17/0,13
	5.7	Gradient with/without load	%	5/10	5/10	5/10
	5.8	Max. gradient with/without load	%	5/10	5/10	5/10
	5.10	Service brake		electric	electric	electric
Drive	6.1	Drive motor rating S2 60 min	kW	1,2	1,2	1,2
	6.2	Hoist motor rating at S3 15%	kW	2	2	2
	6.3	Battery acc. to DIN 43531/35/36 A, B, C, no		PzS	PzS	PzS
	6.4	Battery voltage, capacity K ₅	V/Ah	24/276	24/276	24/276
	6.5	Battery weight	kg	120-230	120-230	120-230
Other	8.1	Type of control		Impulse	Impulse	Impulse

*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR), Steel (S), Traction battery (PzS)



**Technical
Data
EGY LW**

LW 12-35 electric pedestrian 1,2 600 760 1.350	LW 15-16 electric pedestrian 1,5 600 760 1.350	LW 15-25 electric pedestrian 1,5 600 760 1.350	LW 15-30 electric pedestrian 1,5 600 760 1.350	LW 15-35 electric pedestrian 1,5 600 760 1.350
730	560	660	695	730
PUR/PUR 240x105+125x50 80x70 2+1x/4 740 1.550	PUR/PUR 240x105+125x50 80x70 2+1x/4 740 1.550	PUR/PUR 240x105+125x50 80x70 2+1x/4 740 1.550	PUR/PUR 240x105+125x50 80x70 2+1x/4 740 1.550	PUR/PUR 240x104+125x50 80x70 2+1x/4 740 1.550
2.250 - 3.430 4.300 3.500 1.045/1.200 70 1.840 890 1.670 65x160x950 1.430 350-1.000 50 90 2.200 1.450	1.990 1.030 1.530 2.400 1.600 1.045/1.200 70 1.840 890 1.670 65x160x950 1.430 350-1.000 50 90 2.200 1.450	1.740 130 2.430 3.300 2.500 1.045/1.200 70 1.840 890 1.670 65x160x950 1.430 350-1.000 50 90 2.200 1.450	1.990 130 2.930 3.810 3.000 1.045/1.200 70 1.840 890 1.670 65x160x950 1.430 350-1.000 50 90 2.200 1.450	2.250 - 3.430 4.300 3.500 1.045/1.200 70 1.840 890 1.670 65x160x950 1.430 350-1.000 50 90 2.200 1.450
4,2/5,3 0,1/0,14 0,17/0,13 5/10 5/10 electric 1,2 2 PzS 24/276 120-230	4,2/5,3 0,1/0,14 0,17/0,13 5/10 5/10 electric 1,2 2 PzS 24/276 120-230	4,2/5,3 0,1/0,14 0,17/0,13 5/10 5/10 electric 1,2 2 PzS 24/276 120-230	4,2/5,3 0,1/0,14 0,17/0,13 5/10 5/10 electric 1,2 2 PzS 24/276 120-230	4,2/5,3 0,1/0,14 0,17/0,13 5/10 5/10 electric 1,2 2 PzS 24/276 120-230
Impulse	Impulse	Impulse	Impulse	Impulse



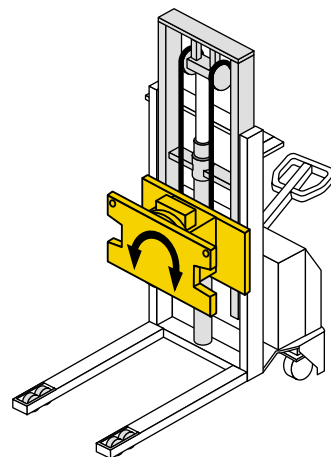
**Technical
Data
EGY LW**

Attachments

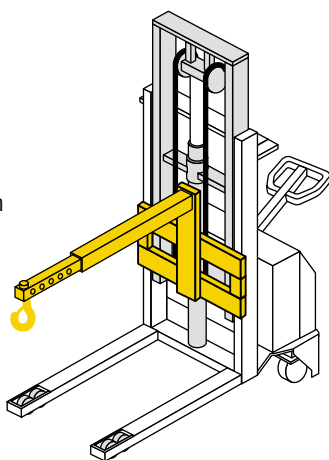
Attachments

To solve individual handling problems we offer our standard series trucks with a wide range of Little Mule® attachments.

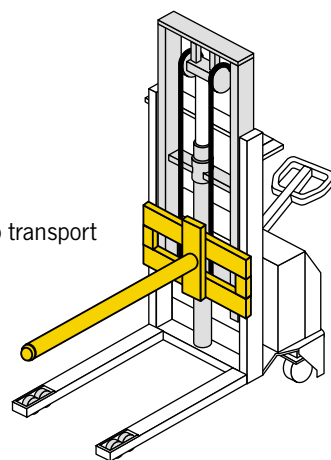
Electric 360° rotating device



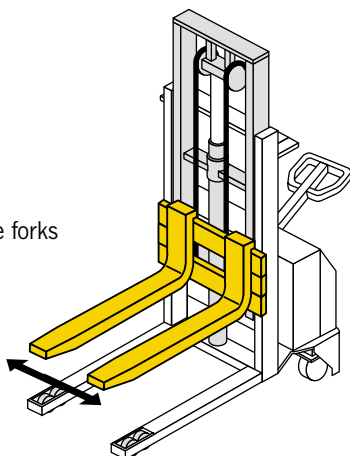
Crane boom



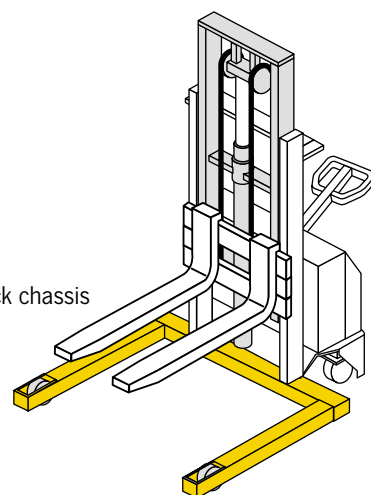
Ram for hoop transport



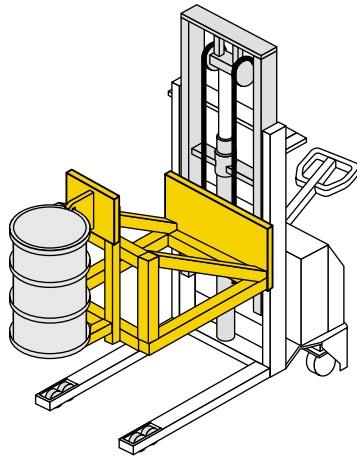
Adjustable forks



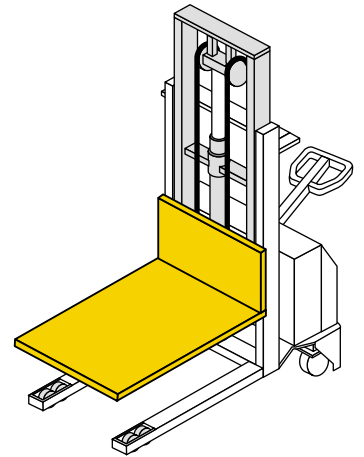
Wide truck chassis



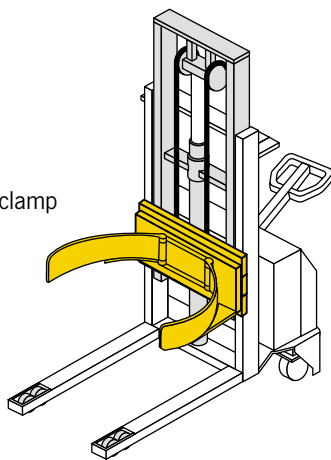
Drum grab



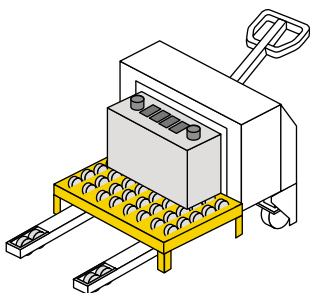
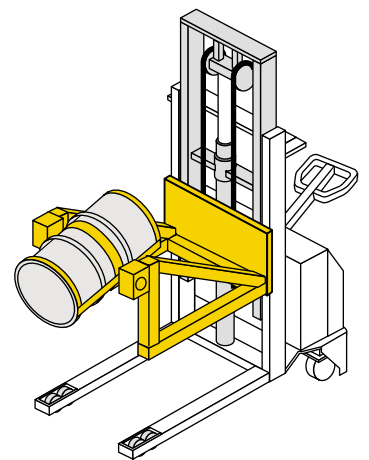
Platform



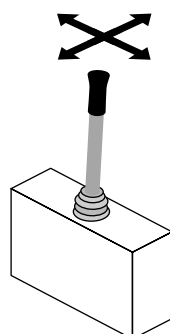
Drum clamp



Drum tipper

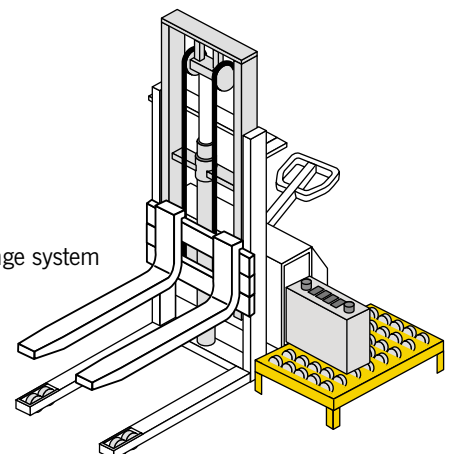


Battery change system



Hydraulic distributor for additional systems

Battery change system





Elevating Platforms

Little Mule® Elevating Platforms, Mobile

Little Mule® mobile elevating platforms are used in all applications where materials are to be processed, loaded, repaired, packed, controlled or assembled at an ergonomically working height. They are economical due to their universal application and site flexibility and by removing physical strain.

The main focus in the “mobile elevating platforms programme” is the model range HF.

The elevating platforms HF are designed for industrial applications. Due to the robust frame the user acquires a lifting device with high on-site flexibility. With lifting capacities from 125 kg to 1250 kg and max. platform heights from 780 mm to 1900 mm the HF elevating platforms offer the user a wide choice to meet every application. The mobile elevating platforms can be supplied with manual hydraulic or electric hydraulic pumps.

The elevating platforms, model range HP, are used in light to medium industrial workloads. The elevating platforms offer lifting capacities of 300 kg to 500 kg with variable lifting heights between 270 and 900 mm.

The Little Mule® elevating workbench model HT makes for easy work when handling heavy tools or production materials. The lifting capacity is 800 kg. The standard triplex mast reaches a max. lifting height of 1450 mm. The mobile elevating workbench can be supplied with double acting manual hydraulic pump or with an electric hydraulic pump.

The robust frames of all Little Mule® elevating platforms are fitted with two fixed rollers and two steer rollers. One steer roller can be locked in position for parking

Scissor Elevating Platform HF/S

Scissor Elevating Platform, Mobile Model HF/S

- An elevating platform for lifting and supplying goods independent of the location with lifting capacities up to max. 1250 kg and platform lifting heights up to max. 1050 mm
- Compact design with low OAH
- Steering and fixed rollers with service-free roller bearings. One steer roller can be locked in position for parking
- Manual hydraulic system with pedal or electric hydraulic system with dead man function – a main current connection is not required
- High safety due to pressure relief and lowering valve



- Robust single scissor construction, above 300 kg with solid steel scissor
- Swing-up platform with mechanical arrest for safe service and repair
- Models with electric hydraulic pump are supplied complete with battery and battery charger
- In accordance with EN 1570 and machinery directive 89/392



Scissor Elevating Platform HF/D

Scissor Elevating Platform, Mobile Model HF/D

- Same as HF/S but with double vertical scissor.
- Lifting capacity up to max. 800 kg and max. lifting height 1900 mm
- In accordance with EN 1570 and machinery directive 89/392



Technical Data see page 67.

Platform Lift HP

Platform Lift Model HP

- A working platform that can be used at various heights for applications in manufacturing, assembly and packing departments, a mains electrical connection is not required
- HP scissor elevating platforms raise and transport loads and can be moved as desired in any raised position. Powerful hydraulic unit with large stroke for every pump action
- Standard design: solid steel scissor, robust frame with two steer and two fixed rollers, parking device on one steer roller
- Models with up to 900 mm platform height and lifting capacities up to max. 500 kg
- Safety handle with functions lifting – driving – lowering



Technical Data see page 68.

Elevating Work Bench HT

Mobile Elevating Work Bench Model HT

- the elevating work bench is used in manufacturing and assembly processes for positioning and lifting tools or other heavy loads
- sturdy frame with two trestle and two steer rollers, retention is by a parking device on the steer roller
- Triplex mast for high lifting height 1450 mm
- large stroke for every pump action by hydraulic unit with double-acting hand pump protected by a pressure relief valve
- available designs: manual/hydraulic lift or electric/hydraulic lift – battery and battery charger are supplied with the unit

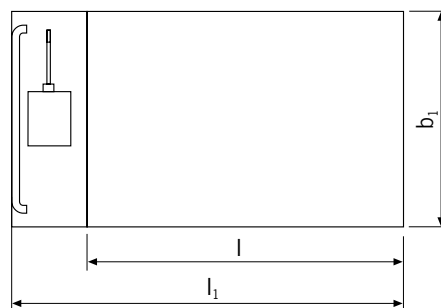
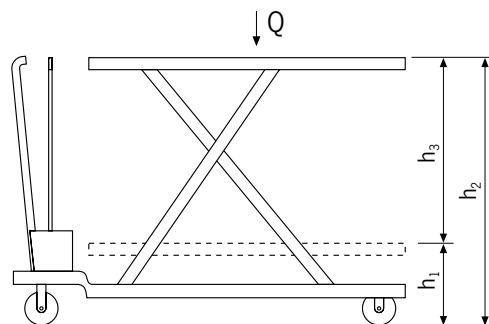


Technical Data see page 69.

Scissor Elevating Platform HF/S

Manufacturer (abbreviation)		Yale Industrial Products GmbH										
Type code of manufacturer		HF 015-078 SM	HF 030-084 SM	HF 030-084 SE	HF 050-090 SM	HF 050-090 SE	HF 080-105 SM	HF 080-105 SE	HF 100-105 SM	HF 100-105 SE	HF 125-105 SM	HF 125-105 SE
Load capacity	Q (t)	0,15	0,3	0,3	0,5	0,5	0,8	0,8	1,0	1,0	1,25	1,25
Platform height, max.	h ₂ (mm)	780	840	840	900	900	1.050	1.050	1.050	1.050	1.050	1.050
Platform height, min.	h ₁ (mm)	255	335	335	340	340	360	360	360	360	360	360
Lift	h ₃ (mm)	525	505	505	560	560	690	690	690	690	690	690
Overall length	l ₁ (mm)	990	1.050	1.130	1.320	1.330	1.650	1.650	2.350	2.350	1.650	1.650
Overall width	b ₁ (mm)	450	500	500	610	610	860	860	1.000	1.000	860	860
Platform length	l (mm)	760	840	840	1.030	1.030	1.350	1.350	2.000	2.000	1.350	1.350
Platform width	mm	450	500	500	610	610	840	840	1.000	1.000	840	840
Tyres*		VG	PUR	PUR	PUR	PUR	PA	PA	PA	PA	PA	PA
Brake		manual	manual	manual	manual	manual	manual	manual	manual	manual	manual	manual
No. of strokes for max. lift		14	18	electric	29	electric	40	electric	80	electric	80	electric
Weight	kg	41	83	120	109	158	222	270	350	397	230	278

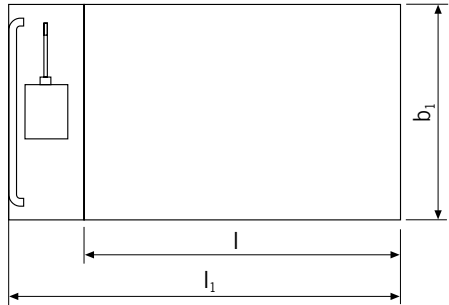
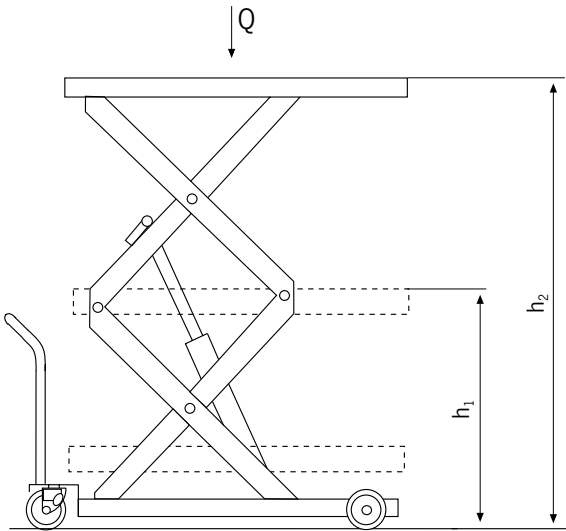
*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR)



Scissor Elevating Platform HF/D

Manufacturer (abbreviation)		Yale Industrial Products GmbH							
Type code of manufacturer		HF 012-142 DM	HF 012-142 DE	HF 045-155 DM	HF 045-155 DE	HF 050-190 DM	HF 050-190 DE	HF 080-190 DM	HF 080-190 DE
Load capacity	Q (t)	0,125	0,125	0,45	0,45	0,5	0,5	0,8	0,8
Platform height, max.	h ₂ (mm)	1.420	1.420	1.550	1.550	1.900	1.900	1.900	1.900
Platform height, min.	h ₁ (mm)	430	430	295	295	490	490	490	490
Lift	h ₃ (mm)	990	990	1.255	1.255	1.410	1.410	1.410	1.410
Overall length	l ₁ (mm)	1.090	1.090	1.350	1.350	1.650	1.650	1.650	1.650
Overall width	b ₁ (mm)	500	500	665	665	860	860	860	860
Platform length	l (mm)	840	840	1.030	1.030	1.350	1.350	1.350	1.350
Platform width	mm	500	500	610	610	840	840	840	840
Tyres*		PUR	PUR	PUR	PUR	PA	PA	PA	PA
Brake		manual	manual	manual	manual	manual	manual	manual	manual
No. of strokes for max. lift		19	electric	71	electric	80	electric	160	electric
Weight	kg	100	147	143	190	306	352	315	363

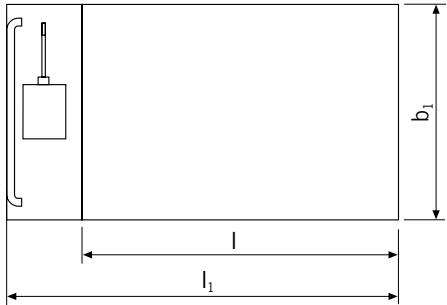
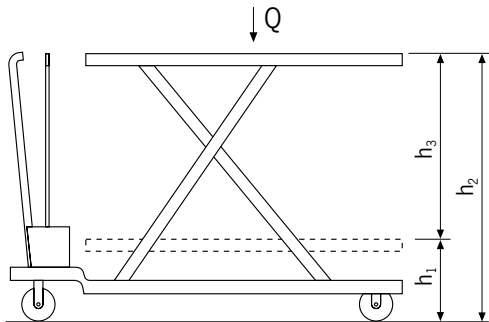
*Solid rubber (VG), Polyamide (PA), Polyurethane (PUR)



Platform Lift HP

Manufacturer (abbreviatioin)		Yale Industrial Products GmbH	
Type code of manufacturer		HP 03-09	HP 05-09
Load capacity	Q (t)	0,3	0,5
Platform height, max.	h_2 (mm)	900	900
Platform height, min.	h_1 (mm)	270	270
Lift	h_3 (mm)	630	630
Overall length	l_1 (mm)	825	825
Overall width	b_1 (mm)	500	500
Platform length	l (mm)	815	815
Platform width	mm	500	500
Tyres*		PUR/PUR	PUR/PUR
Brake		manual	manual
Lift per lever stroke	mm	48	48
Weight	kg	84	90

*Polyamide (PA), Polyurethane (PUR)



Elevating Work Bench HT

Manufacturer (abbreviation)		Yale Industrial Products GmbH	
Type code of manufacturer		HT 08 M	HT 08 E
Load capacity	Q (t)	0,8	0,8
Platform height, max.	h_2 (mm)	1.450	1.450
Platform height, min.	h_1 (mm)	690	690
Lift	h_3 (mm)	760	760
Oerall length	l_1 (mm)	930	930
Platform length	l (mm)	800	800
Platform width	b_1 (mm)	750	750
Tyres*		PA/PA	PA/PA
Brake		manual	manual
Lift per lever stroke	mm	125	-
Lift speed with/without load	m/s	-	0,08/0,125
Lift motor rating	kW	-	0,8
Battery voltage/capacity	V/Ah	-	12/100
Battery charger (integral)	V/A	-	12/10
Weight kg	kg	134	160
Battery weight	kg	-	20

*Polyamide (PA)

