

HYUNDAI BATTERY FORKLIFTS

20/25/30BH -7

• Model	: 20BH-7 / 25BH-7 / 30BH-7
• Load Capacity, kg (lb)	: 2,000(4,000) / 2,500(5,000) / 3,000(6,000)
• Travel Speed(Unloaded), km/hr	: 17.1 / 17.2 / 16.3
• Max. Lifting Height, mm (in)	: 3,300(129.9) / 3,300(129.9) / 3,300(129.9)



* Photo may include optional equipment.

New 7 Series

The BH-7 Series

Designed with a durable frame and built to offer excellent stability and a smooth ride, BH-7 Series trucks are real workhorses. From external /internal loading or unloading of trucks, containers or shelves to yard work for the material industry, whatever requirement arise, you can count on BH-7 Series truck to lift your business to greater heights.



20/25/30BH -7



* Photo may include optional equipment.

Superior Power & Optimal Performance

Smooth running, efficiency and ergonomically designed,
20/25/30BH-7 series are built to meet your needs.

* Photo may include optional equipment.



High Quality Traction Motor & Drive Axle

High quality Prestolite DC motor guarantees confidence and reliability .
An optimum motordesign enables low noise operation.
Temperature sensor prevents over heating and ensures long lifetime of the motor.

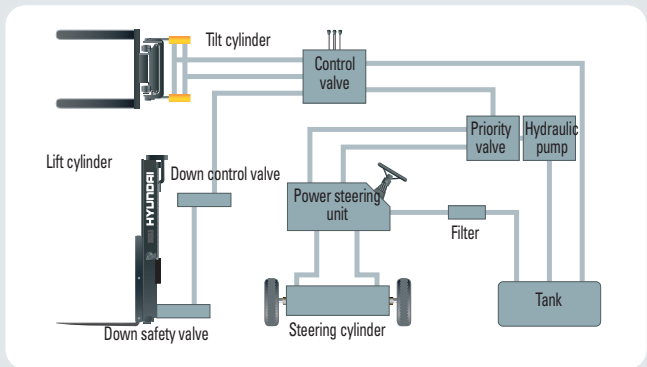


20/25/30BH -7



Fork Safety Features

With a loaded truck, mast lowering speed is carefully controlled by a down control valve to ensure full safety on the job. The down-safety valve prevents forks from dropping down in case of sudden damage of the hydraulic lines.



State-of-the-art hydraulic system

The latest designed, large-capacity hydraulic system including a low-noise control valve shortens reaction time during operation and improves both efficiency and durability.

Anti-rollback System, Faster Travel Speed and Gradeability

SEVCON's anti-rollback system provides safe ramp operation plus exceptional ramp start capabilities. The powerful high-output traction motor provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.



Travel Speed (MAX) (Unloaded)

Model	km/hr
20BH-7	17.1
25BH-7	17.2
30BH-7	16.3

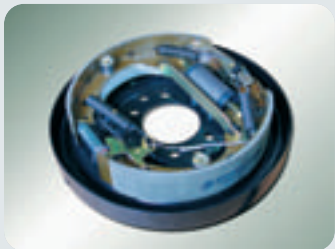
Gradeability (MAX) (Unloaded)

Model	%(deg)
20BH-7	26.8 (15.0)
25BH-7	25.0 (14.1)
30BH-7	25.2 (14.1)



Increased Mast Tilting Angle

Utilizing the mast tilting angle of 6 degrees forward and 8 degrees backward gives the operator a safe and rapid platform for loading and unloading jobs.



Clean and Reliable Brakes

The adoption of DUO-SERVO type drum brake improves braking performance. A self-adjusting function maintains proper brake adjustment to compensate for lining wear.



Fully Hydrostatic Power Steering

A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and steering wheel kick-back.



Side Roller Bearing

The adoption of an internal side roller bearing prevents trembling and minimizes mast carriage play.



Adjustable Steering Wheel with Steering Knob

The steering wheel can be adjusted by a lever on the left-hand side to improve operator's comfortability.



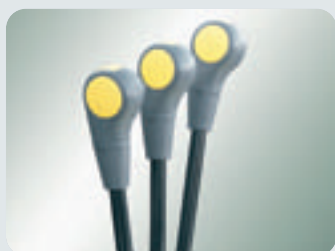
Easy Control Transmission Lever

A single lever on the left side of the steering column gives the operator fast and easy control of speed and travel direction. The machine can only be started in case of neutral position of this lever.



Multi-functional Switch

The integrated multi-functional switch lever enables the driver to operate lights and horn conveniently.



Prompt Response of Operating Control Levers

Minimal operator's effort is required for precise, safe and productive control.



New High Visibility for Safe Operation

The operator is able to work with increased safety and accuracy due to a wider mast view.



Perfect Fit for A Long Time Work

An ergonomically designed operator's compartment enables the driver to select the most comfortable working position for increased productivity.



Optimum Pedal Position & Non-slip Mat

Based on human engineering, the accelerator, brake pedal is optimally positioned for convenience while operating the equipment. Easy to remove, cleanable rubber floor mat.

Easily Adjustable Suspension Seat

An attractive and adjustable seat with armrest, based on a human engineering design, provides greater comfort, safety and durability.

* Standard : Seat belt

* Options : Hip rest



20/25/30BH -7

Comfortable Operation

A design based on human engineering relieves fatigue and increases operator's efficiency.

* Photo may include optional equipment.



Self - diagnostic LCD Monitor

The LCD monitor has a back-light system to show the system's operation in all environments. The monitor provides information about operation error, system fault, battery level, hour meter plus other various functions.

Console Box & Cup Holder

Additional storage spaces are located inside the operating space for operator's convenience.

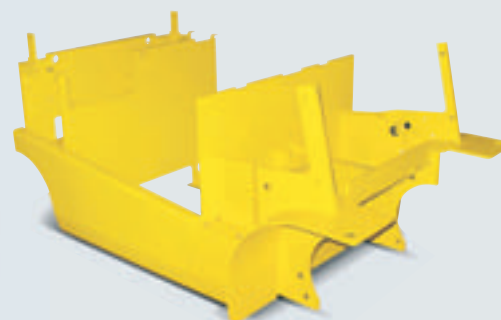


High Durability & Simple Arrangement

An ideal arrangement of component parts ensures easy access and convenient maintenance.



* Photo may include optional equipment.



Heavy Duty Single Frame

Heavy duty single type frame, designed on the basis of accurate structural analysis, guarantees durability and safety.



Strong Overhead Guard

The safety overhead guard meets EEC and ANSI regulations and protects the operator during hazardous work.



Parking Brake

Ratchet type parking brake requires less effort from the operator to set.



Large Footboard & Hand Grip

Wide "open" step and large hand grip offer convenience and safety when accessing the truck.



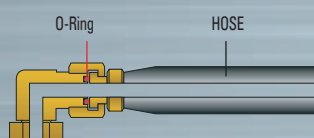
Rear Safety Lamp

Rear combination lamps with turn signal lamps, rear lights, tail lamp and brake lights are positioned for high visibility to ensure safety.



Easy to Hook Towing Pin

Towing operation made easier due to a wide access opening.



ORFS (O-Ring Face Seal)

ORFS type hose prevents hydraulic oil leakage.

High Technology SEVCON Controller

The efficient, almost noiseless, 16Mhz (high frequency) SEVCON controller provides smooth operation and protection for low & high voltage, overheating. It incorporates a fault recording unit.



Easy Maintenance & Serviceability

Battery change is easy with a swing-up compartment and a slotted overhead guard. Opening and closing of the battery cover is made easy with a gas-spring assisted cylinder.



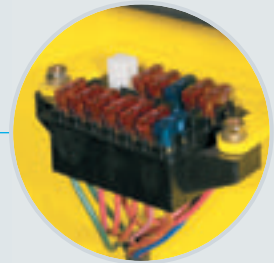
Safety Lock Type Gas Spring



Quiet and Durable Hydraulic Pump & Motor



Easy to Check Brake Oil Level



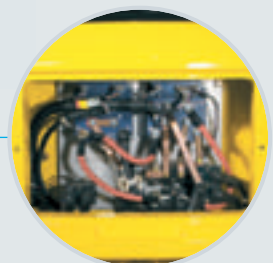
Concentrated Fuse Box for Easy Inspection



Easy Battery Replacement



Battery Disconnect Lever



Reliable MOSFET Type Controller

* Photo may include optional equipment.



High Visibility Headlights & Rear Work Light



DC-DC Converter

DC-DC converter, conform with UL & CE, prevents from short circuit, overload and reverse polarity.

New 7 Series

Mast Specification (20/25BH-7)

Mast Type		Maximum Fork Height mm(in)	Overall Height (Lowered) mm(in)	Free Lift mm(in)		Tilt Angle (deg)		Load Capacity at 500mm LC(24in LC) kg(lb)		Truck Weight (Unloaded) kg(lb)	
				Without Load Backrest	With Std. Load Backrest	Forward	Backward				
				20/25BH-7	20/25BH-7	20/25BH-7	20/25BH-7	20BH-7	25BH-7	20BH-7	25BH-7
Duplex	V300	118.1 (3000)	78.7 (2000)	4.5 (115)	4.5 (115)	6	8	2000 (4000)	2500 (5000)	4187 (9229)	4442 (9792)
	* V330	129.9 (3300)	84.6 (2150)	4.5 (115)	4.5 (115)	6	8	2000 (4000)	2500 (5000)	4205 (9271)	4460 (9833)
	V350	137.8 (3500)	88.5 (2250)	4.5 (115)	4.5 (115)	6	8	2000 (4000)	2500 (5000)	4222 (9307)	4477 (9869)
	V370	145.7 (3700)	94.4 (2400)	4.5 (115)	4.5 (115)	6	8	2000 (4000)	2500 (5000)	4243 (9353)	4498 (9916)
	V400	157.4 (4000)	100.3 (2550)	4.5 (115)	4.5 (115)	6	8	2000 (4000)	2500 (5000)	4264 (9399)	4519 (9961)
	V430	169.3 (4300)	106.2 (2700)	4.5 (115)	4.5 (115)	6	6	2000 (4000)	2450 (4875)	4311 (9505)	4566 (10067)
	V450	177.2 (4500)	112.2 (2850)	4.5 (115)	4.5 (115)	6	6	2000 (4000)	2400 (4675)	4347 (9583)	4602 (10145)
	V470	185.0 (4700)	116.1 (2950)	4.5 (115)	4.5 (115)	6	6	2000 (4000)	2300 (4450)	4357 (9605)	4612 (10167)
Duplex Full free	V500	196.9 (5000)	122.0 (3100)	4.5 (115)	4.5 (115)	6	6	1900 (3775)	2150 (4125)	4378 (9651)	4633 (10214)
	VF300	118.1 (3000)	78.7 (2000)	54.2 (1377)	32.3 (820)	6	6	2000 (4000)	2500 (5000)	4238 (9344)	4493 (9906)
Triplex Full free	VF330	129.9 (3300)	84.6 (2150)	60.1 (1527)	38.2 (970)	6	6	2000 (4000)	2500 (5000)	4271 (9416)	4526 (9979)
	TF370	145.7 (3700)	70.9 (1800)	46.3 (1177)	24.4 (620)	6	6	2000 (4000)	2500 (5000)	4317 (9517)	4572 (10079)
	TF400	157.4 (4000)	74.8 (1900)	50.3 (1277)	28.3 (720)	6	6	2000 (4000)	2400 (4875)	4341 (9569)	4596 (10131)
	TF430	169.3 (4300)	78.7 (2000)	54.2 (1377)	32.3 (820)	6	6	2000 (4000)	2350 (4775)	4359 (9609)	4614 (10172)
	TF450	177.2 (4500)	82.7 (2100)	58.1 (1477)	36.2 (920)	6	6	1950 (3900)	2300 (4675)	4378 (9651)	4633 (10213)
	TF470	185.0 (4700)	84.6 (2150)	60.1 (1527)	38.2 (970)	6	6	1900 (3775)	2200 (4475)	4400 (9700)	4655 (10262)
	TF500	196.9 (5000)	88.6 (2250)	64.1 (1627)	42.1 (1070)	6	6	1850 (3675)	2100 (4275)	4422 (9748)	4677 (10310)
	TF550	216.5 (5500)	96.4 (2450)	71.9 (1827)	50.0 (1270)	6	6	1800 (3575)	1950 (3975)	4460 (9833)	4715 (10395)
	TF600	236.2 (6000)	104.3 (2650)	79.8 (2027)	57.9 (1470)	6	6	1550 (3075)	1700 (3475)	4525 (9976)	4780 (10538)
	TF650	255.9 (6500)	112.2 (2850)	87.7 (2227)	65.7 (1670)	3	3	1250 (2525)	1400 (2875)	4565 (10063)	4820 (10625)
	TF700	275.6 (7000)	120.1 (3050)	95.6 (2427)	73.6 (1870)	3	3	850 (1750)	1100 (2275)	4602 (10144)	4857 (10707)

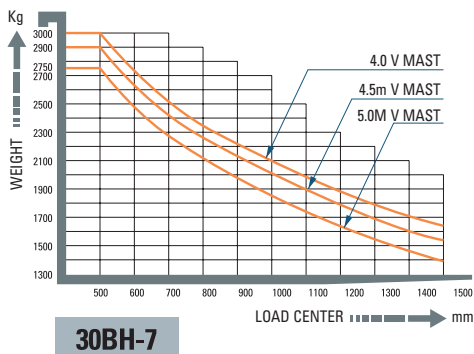
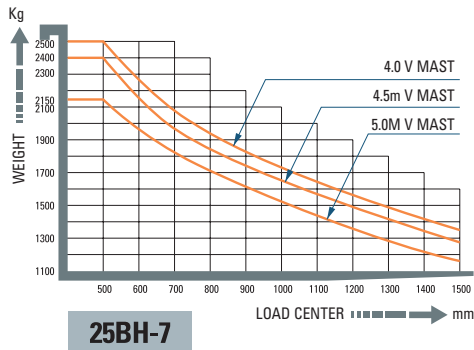
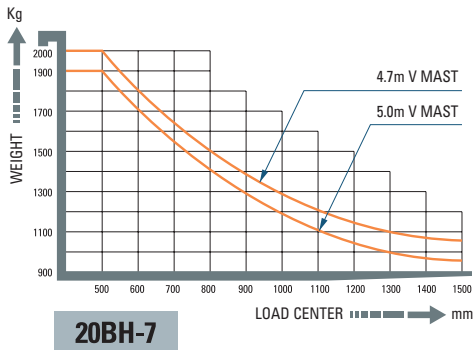
* Standard

Mast Specification (30BH-7)

Mast Type		Maximum Fork Height mm(in)	Overall Height (Lowered) mm(in)	Free Lift mm(in)		Tilt Angle (deg)		Load Capacity at 500mm LC(24in LC) kg(lb)	Truck Weight (Unloaded) kg(lb)
				Without Load Backrest	With Std. Load Backrest	Forward	Backward		
Duplex	V300	118.1 (3000)	79.1 (2009)	4.5 (115)	4.5 (115)	6	8	3000 (6000)	4976 (10969)
	* V330	129.9 (3300)	85.0 (2159)	4.5 (115)	4.5 (115)	6	8	3000 (6000)	4998 (11018)
	V350	137.8 (3500)	89.2 (2259)	4.5 (115)	4.5 (115)	6	8	3000 (6000)	5012 (11049)
	V370	145.7 (3700)	94.9 (2409)	4.5 (115)	4.5 (115)	6	8	3000 (6000)	5034 (11098)
	V400	157.4 (4000)	100.8 (2559)	4.5 (115)	4.5 (115)	6	8	3000 (5875)	5056 (11146)
	V430	169.3 (4300)	106.7 (2709)	4.5 (115)	4.5 (115)	6	6	2950 (5775)	5105 (11254)
	V450	177.2 (4500)	112.6 (2859)	4.5 (115)	4.5 (115)	6	6	2900 (5650)	5141 (11334)
	V470	185.0 (4700)	116.5 (2959)	4.5 (115)	4.5 (115)	6	6	2850 (5550)	5152 (11358)
Duplex Full free	V500	196.9 (5000)	122.4 (3109)	4.5 (115)	4.5 (115)	6	6	2750 (5450)	5174 (11407)
	VF300	118.1 (3000)	79.1 (2009)	51.7 (1314)	32.7 (829)	6	6	3000 (6000)	5017 (11059)
Triplex Full free	VF330	129.9 (3300)	85.0 (2159)	57.6 (1464)	38.6 (979)	6	6	3000 (6000)	5049 (11132)
	TF370	145.7 (3700)	71.2 (1809)	43.9 (1114)	24.8 (629)	6	6	3000 (6000)	5123 (11294)
	TF400	157.4 (4000)	75.2 (1909)	47.8 (1214)	28.7 (729)	6	6	2900 (5775)	5146 (11344)
	TF430	169.3 (4300)	79.1 (2009)	51.7 (1314)	32.7 (829)	6	6	2850 (5650)	5163 (11382)
	TF450	177.2 (4500)	83.1 (2109)	55.7 (1414)	36.6 (929)	6	6	2750 (5450)	5179 (11417)
	TF470	185.0 (4700)	85.0 (2159)	57.6 (1464)	38.6 (979)	6	6	2650 (5250)	5199 (11462)
	TF500	196.9 (5000)	89.0 (2259)	61.6 (1564)	42.5 (1079)	6	6	2500 (4975)	5221 (11510)
	TF550	216.5 (5500)	96.8 (2459)	69.4 (1764)	50.3 (1279)	6	6	2300 (4550)	5259 (11594)
	TF600	236.2 (6000)	104.7 (2659)	77.3 (1964)	58.2 (1479)	6	6	2100 (4125)	5323 (11734)
	TF650	255.9 (6500)	112.6 (2859)	85.2 (2164)	66.1 (1679)	3	3	1800 (3575)	5361 (11818)
	TF700	275.6 (7000)	120.5 (3059)	93.1 (2364)	74.0 (1879)	3	3	1450 (2975)	5395 (11894)

* Standard

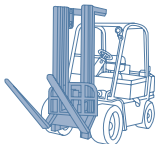
Load Capacity



Various Attachments



Side Shift



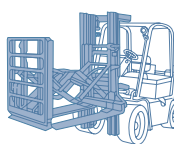
Hinged Fork



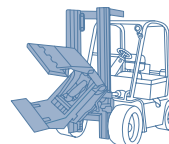
Hinged Bucket



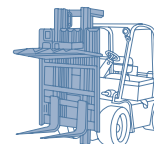
Rotating Fork



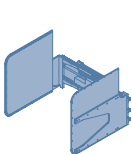
Push Pull



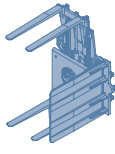
Rotating Roll Clamp



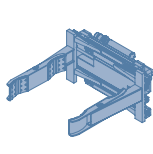
Load Stabilizer



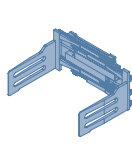
Carton Clamp



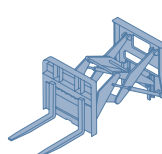
Pallet Invert



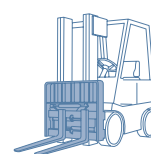
Drum Clamp



Bale Clamp



Load Extender



Fork Positioner

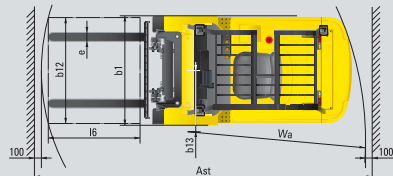
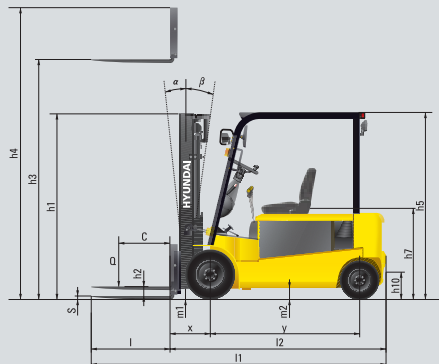
Standard Items

- Rear work lights

Optional Items

- Fork
20/25BH-7
(900mm/1000mm/1200mm/1350m/1500mm/
1650mm/1800mm) x 100mm x 45mm
30BH-7
(900mm/1150mm/1200mm/1350m/1500mm/
1650mm/1800mm) x 125mm x 45mm
- Fork extenders
20/25BH-7
1300mm/1500mm/1700mm/1800mm
30BH-7
1500mm/1700mm/1800mm
- Tire
Non-marking
- Rear Work
- Seat
Hip rest
- MCV : 4 Spools
- Adaptation kit for cold storage operation
- Beacon

Dimension



Specification

Identification				
1.1	Manufacturer	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation	20BH - 7	25BH - 7	30BH - 7
1.3	Drive: electric (battery or mains), diesel, petrol, liquid gas, manual	Electric	Electric	Electric
1.4	Type of operation: hand, pedestrian, standing, seated, order-picker	Seated	Seated	Seated
1.5	Load capacity / rated load Q (t)	2.0	2.5	3.0
1.6	Load center distance c (mm)	500	500	500
1.8	Load distance, center of drive axle to fork x(mm)	464	464	464
1.9	Wheelbase y(mm)	1,575	1,575	1,719
Weights				
2.1	Service weight kg	4,205	4,460	5,000
2.2	Axle loading, loaded front/rear kg	5,431 / 774	6,193 / 802	7,169 / 866
2.3	Axle loading, unloaded front/rear kg	2,207 / 1,998	2,163 / 2,332	2,485 / 2,550
Wheels, Chassis				
3.1	Tires: solid rubber, super elastic, pneumatic, polyurethane	SE	SE	SE
3.2	Tires size, front (øx width)	23 x 9 - 10	23 x 9 - 10	23 x 10 - 12
3.3	Tires size, rear (øx width)	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8
3.5	Wheels, number front x rear(x=driven wheels)	2 x / 2	2 x / 2	2 x / 2
3.6	Track width, front b10(mm)	992	992	1,008
3.7	Track with, rear b11(mm)	980	980	980
Basic Dimensions				
4.1	Mast / fork carriage tilt forward / backward degrees	6 / 8	6 / 8	6 / 8
4.2	Lowered mast height h1 (mm)	2,150	2,150	2,160
4.3	Free lift h2 (mm)	115	115	115
4.4	Lift height h3 (mm)	3,300	3,300	3,300
4.5	Extended mast height h4 (mm)	4,485	4,485	4,485
4.7	Overhead load guard (cab) height h5 (mm)	2,150	2,150	2,160
4.8	Seat height / standing height h7 (mm)	1,080	1,080	1,090
4.12	Coupling height h10 (mm)	335	335	335
4.19	Overall length l1 (mm)	3,389	3,447	3,590
4.20	Length to face of forks l2 (mm)	2,339	2,397	2,540
4.21	Overall width b1/b2 (mm)	1,196	1,196	1,248
4.22	Fork dimensions s / e / l(mm)	1,050 x 100 x 45	1,050 x 100 x 45	1,050 x 125 x 45
4.23	Fork carriage ISO 2328, class / type A,B	2A	2A	3A
4.24	Fork-carriage width b3 (mm)	1,060	1,060	1,060
4.31	Ground clearance, loaded, under mast m1(mm)	105	105	114
4.32	Ground clearance, centre of wheelbase m2(mm)	125	125	125
4.33	Aisle width for pallets 1,000x1,200 crossways Ast(mm)	3,535	3,560	3,730
4.34	Aisle width for pallets 800x1,200 lengthways Ast(mm)	3,735	3,760	3,930
4.35	Turning radius Wa(mm)	2,070	2,095	2,265
4.36	Smallest pivot point distance b13(mm)	600	600	690
Performance Data				
5.1	Travel speed, loaded / unloaded km/h	15.2 / 17.1	14.3 / 17.2	14.0 / 16.3
5.2	Lift speed, loaded/ unloaded m/s	0.42 / 0.5	0.38 / 0.5	0.32 / 0.45
5.3	Lowering speed, loaded/unloaded m/s	0.5 / 0.45	0.5 / 0.45	0.5 / 0.45
5.5	Drawbar pull, loaded/ unloaded S2 60 min N	4,730 / 5,340	4,560 / 5,320	4,180 / 5,010
5.6	Max. drawbar pull, loaded/unloaded S2 5 min N	12,190 / 13,090	12,020 / 13,110	11,400 / 12,540
5.7	Gradient performance, loaded/ unloaded S2 30 min %	9.7 / 15.9	8.4 / 14.8	6.8 / 12.6
5.8	Max gradient performance, loaded/unloaded S2 5 min %	20.0 / 26.8	17.4 / 25.0	14.4 / 25.2
5.9	Acceleration time, loaded/ unloaded -	-	-	-
5.10	Service brake -	hydr.	hydr.	hydr.
E - Motor				
6.1	Drive motor rating S2 60 min kW	15.5	15.5	15.5
6.2	Lift motor rating at S2 5 min kW	15.0	15.0	15.0
6.3	Battery acc. to DIN 43531 / 35 / 36 A, B, C, no	DIN 43536A	DIN 43536A	DIN 4 3536A
6.4	Battery voltage, nominal capacity K5 V/A h	80 / 600	80 / 600	80 / 750
6.5	Battery weight (min) kg	1,470	1,470	1,780
	Battery dimensions L / W / H mm	1,025 / 708 / 784	1,025 / 708 / 784	1,025 / 852 / 784
6.6	Energy consumption acc. to VDI cycle KWh/h	-	-	-
Other Details				
8.1	Type of drive control	DC - Series	DC - Series	DC - Series
8.2	Operating pressure for attachments Bar	>200	>200	>200
8.3	Oil volume for attachments L/min	-	-	-
8.4	Sound level at driver's ear according to DIN 12 053 Db(A)	67	67	67
8.5	Tow coupling, type DIN	-	-	-



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