



Specification

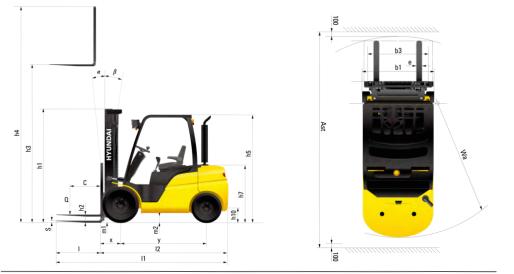
Disti	nguishing mark				
1.1	Manufacturer			Hyundai	
1.2	Manufacturer's model designation		25D-9E	30D-9E	33D-9E
1.3	Drive: electric (battery or mains),diesel,petrol,fuel ga	s,manual	DIESEL	DIESEL	DIESEL
1.4	Type of operation:hand,pedestrian,standing,seated,	order-picker	seated	seated	seated
1.5	Load capacity / Rated load	kg	2500	3000	3300
1.6	Load center distance	c mm	500	500	500
1.8	Load distance, center of drive axle to fork	x mm	468	468	468
1.9	Wheelbase	y mm	1650	1700	1700
Weig	ht				
2.1	Service weight	kg	3825	4219	4500
2.2	Axle loading, loaded front/rear	kg	5549 / 776	6355 / 863	6788 / 1012
2.3	Axle loading, unloaded front/rear	kg	1582 / 2243	1647 / 2572	1609 / 2891
Tires	, chassis				
3.1	Tires ; Pneumatic(P), Solid(S), Non-marking(N)		Р	Р	Р
3.2	Tires size, front		7.00 - 12, 14PR	28X9 - 15, 14PR	28X9 - 15, 14PF
3.3	Tires size, rear		6.50 - 10, 14PR	6.50 - 10, 14PR	6.50 - 10, 14PR
3.4	Number of wheels front / rear (x=driven wheels)		2x/2	2x/2	2x/2
3.5	Track width, front	mm	999	1005	1005
3.6	Track width, rear	mm	980	980	980
	ension				
4.1	Mast / fork carriage tilt forward / backward (/)	degrees	6/10	6/10	6 / 10
4.2	Lowered mast height	h1 (mm)	2175	2190	2260
4.3	Free lift	h2 (mm)	155	155	155
4.4	Lift height	h3 (mm)	3305	3305	3305
4.5	Extended mast height	h4 (mm)	4485	4485	4485
4.7	Overhead guard height (cabin)	h5 (mm)	2160 (2170)	2180 (2190)	2180 (2190)
4.8	Seat height / standing height rel. to SIP	h7 (mm)	1187	1212	1212
4.12	Coupling height	h10 (mm)	295	320	320
4.19	Overall length	l1 (mm)	3657	3726	3782
4.20	Length to face of forks	I2 (mm)	2607	2676	2732
4.21	Overall width	b1 (mm)	1200	1228	1228
4.22	Fork dimensions(hook type)	I/e/s(mm)	1050 x 100 x 45	1050 x 122 x 45	1050 x 122 x 45
4.23	Fork carriage ISO 2328, class / type A,B	., ., ., .,	2A	3A	ЗА
4.24	Fork-carriage width	b3 (mm)	1102	1102	1102
4.31	Ground clearance, loaded, under mast	m1(mm)	130	145	145
4.32	Ground clearance, centre of wheelbase	m2(mm)	157	181	181
4.33	Aisle width for pallets 1,000x1,200 crossways (LxW)	Ast(mm)	4010	4081	4131
4.34	Aisle width for pallets 800x1,200 lengthways (WxL)	Ast(mm)	4210	4281	4331
4.35	Turning radius	Wa(mm)	2342	2413	2463
4.36	Smallest pivot point distance	b13 (mm)	714	731	731

Perfe	ormance data				
5.1	Travel speed, unloaded	km/h	17.1	18.4	18.4
5.2	Lift speed, loaded/ unloaded	mm/s	520 / 590	440 / 490	430 / 490
5.3	Lowering speed, loaded/unloaded	mm/s	500/450	500 / 450	500 / 450
5.5	Drawbar pull, loaded	kg	1959	1772	1772
5.7	Gradient performance, loaded	%	28.5	22.3	20.6
5.9	Acceleration time, loaded/ unloaded(10m)	sec	-	-	-
5.10	Service brake		FOOT	FOOT	FOOT
Engir	ne				
6.1	Engine manufacturer / type		Yanmar 4TNE92	Yanmar 4TNE92	Yanmar 4TNE92
6.2	Engine power acc. to ISO 1585	kW/rpm	33.4(45.4ps) / 2450	33.4(45.4ps) / 2450	33.4(45.4ps) / 2450
6.3	Maximum Torque	kgf.m/rpm	14.7 / 1600	14.7 / 1600	14.7 / 1600
6.4	No. of cylinder / cubic capacity	EA/cc	4 / 2659	4 / 2659	4 / 2659
6.5	Fuel consumption acc. To VDI cycle	l /h	3.2	3.4	3.6
Addi	tion data				
8.1	Type of drive control		PowerShift	PowerShift	PowerShift
8.2	Operating pressure, system / attach	bar	182 / 162	196 / 162	196 / 162
8.3	Attach oil volume	ℓ /min	54	54	54
8.4	Sound pressure level (at driver's ear according to DIN 12053)	dB(A)	80	80	80
8.5	Trailer coupling, type DIN		PIN	PIN	PIN



Dimension





* All specifications in this catalog are subject to change according to the optional items.

WWW.hyundai-ce.com / 2019. 01 Rev 6

Your satisfaction is our priority!

New Diesel Forklift with Proven Quality and Advanced Technology

Hyundai introduces a new line of 9-series diesel forklift trucks. The newly designed 4 wheel counterbalance trucks provide every operator comfortable driving, increased productivity and easy maintenance.

30D-96

HYUNDA

Reduce inching impact : Clutch protection system - Wet disc brake

ligh Efficiency

- Advanced Safety Auto parking brake system Hill Start Assist Control Operator Presence Sensing System (OPT) Machine inclination indication

Best Convenience

- 5.6 inch LCD color monitor - Auto fork leveling system (OPT) - Load weight indicator (OPT) - 4 pieces bolt on cabin (OPT)

Easy Maintenance

- Password starting system
- Consumable item replacement cycle warning



Power & Performance

High Efficiency & Optimal Performance

Powerful engine and high technology systems provide you with enhanced performance and highest productivity.



Market approved quality of YANMAR 4TNE92 engine ensures incomparable performance, durability and excellent fuel efficiency. This engine meets EU stage III A emission regulations.





The clutch protection system prevents excessive use of inching as well as minimizes change-impact.



250-96

POWERFUL ENGINE

The boosting type brake valve is applied for strong braking performance.



Highly durable drive axle



Fully hydrostatic power steering

YANMAR 4TNE92 Engine 33.4kW/2,450rpm

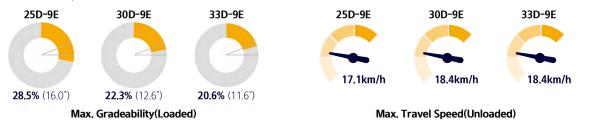
DRMAN

5

HIG

Faster Travel Speed & Gradeability

The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.



The strengthened drive axle separable from transmission ensures low vibration and easy maintenance. The wet disc type brake is applied for easy operation, smooth response and maintenance free. The hydraulic steering system always guarantees smooth and flexible steering, preventing over-run and kick-back.



Oil cooled disc brake

The wet brakes with excellent braking power and durability offer a stable and reliable braking power. Also, an oil cooler has been added to improve durability in working environments where the frequency of brake operation is high.



Easy & Comfort

Best Convenience & Optimized Ergonomics

Powerful engine and high technology systems provide you with enhanced performance and high productivity.

Spacious Operator Cabin

The newly designed cabin provides wide visibility and spacious environment, ensuring all day comfort for the operator.

25D-96





D MONITORING

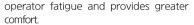
COMFORTABLE WORKSPACE

Easily adjustable suspension seat, based on a human engineering design, reduces

Advanced LCD Monitor

The 5.6 inch wide screen LCD color monitor allows the operator to control the machine with ease. The monitor features speed, travel direction, battery discharge indicator and hour meter.





- ELR(Emergency Locking Retractor) type seat belt as a standard
- Heating(STD) and head rest(OPT)



Optimized pedal position

On the 9-series the pedals are mounted to the console to reduce operator fatigue, and noise and dust from the engine compartment.



Adjustable steering Wheel

To achieve a comfortable drive position, the angle of the steering column can easily be adjusted by a lever on the right-hand side of the steering column.



The low entrance height ensu

The low entrance height ensures easy and safe access for the operator.

Clock

Main monitoring features

Hour-meter

Some of the photos may include optional equipment.

- Fuel level gauge(Warning-Red)
- Signal / Warning light
- Gear (F / N / R)
- Speedometer

Odometer

1 Load Indicator (OPT)

The optional load indicator displays the load weight on the monitor. The load sensor reduces the time to check loaded weight and the alarm alerts the driver when overloaded.

Auto Fork Leveling System (OPT)

Engine temperature gauge(Warning-Red)

• Mast tilting degree(Alarm-Red)

To improve the productivity the auto fork leveling system will automatically stop the tilt movement when the mast is in a straight position.

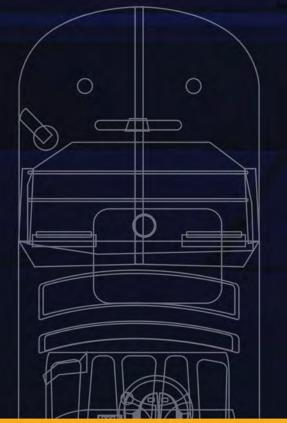
③ Machine inclination indication

The grade (left) and slope (right) sensors are built into the MCU and provide the grade and slope status information of the vehicle connected with the road surface condition in real time.



Secure & Safety Advanced Safety

The safely designed driver's space makes your operating more comfortable.





Excellent visibility for safe operation

Optimized lift cylinder arrangement provides operator with wider visibility. The panoramic mirror expands the driver's view when backing up.



Various Safety System

The adoption of a high-sensitivity sensor and advanced safety system eliminates the risk of safety accidents.







Halogen headlights and rear LED combination lights offer the driver visibility in all circumstances. Rear reflectors mounted on the counterweight enhance safety for the driver and the application.

Fork Safety Features

The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.



perator Presence Sensing System

All mast and drive movements stop functioning when the operator is not in the seat.



Strong overhead guard

Exceeding CEE and ANSI regulations, the overhead guard offers optimal protection combined with excellent all round visibility.



Auto parking brake

If the operator leaves the seat while the gear lever is in neutral, the parking brake is automatically engaged to secure safety, and released upon the operator's return to the seat.



Maintenance & Convenience

Fast and Easy Maintenance

An ideal arrangement of components ensures easy access and convenience for maintenance.

Large Engine Hood

Highly accessible engine compartment assures fast and efficient maintenance. The enlarged air cleaner(8") has extended service time of engine.





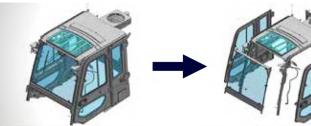
The rear view camera (OFT) The rear view camera and monitor connected with the reverse switch guarantee a safe working environment.



TTEL

Parking brake switch (STD) & Emergency switch (OPT)

A button-type switches enables to notify of emergency situations quickly and operate easily.



Polt on type cabi



Newly developed Waterproof and Dustproof fuse box and relay box for ease of maintenance.



The rear tire cover and under cover with PE material protect the engine, radiator, and components from dusts caused by ground. Also, these options can be selected separately.



By granting the operation authority only to the designated driver, it is possible to manage the vehicle and prevent theft.

boit on type cabin

The bolt on type cabin consists of front side, door front, door rear, and rear side. It is easy to assemble by bolt and mount parts. Also, cabin can be selected by module or parts and air conditioner and heater are separately available for driver's convenience.

🎉 Maintenand	e Mar	ageme	nt	
Item I	terval	Elapse (lount	Alare
Axle Planetary Ge	100	2	0	2
Transmission Oil	100	2	0	8
Transmission Oil F	100	2	0	
Hydraulic Tank Ai	250	2	0	
Air Cleaner Comp	450	2	0	
Engine Oil Filter	500	2	0	

Consumable item replacement cycle warning

This indicator automatically alerts the operator of the replacement cycle of key consumable items before a failure occurs; making managing maintenance easy, and to help extend the life of the machine.

New 9 Series Mast Specifications



Maximum Maximum Auge Image	CK WEIGHT			nift	w/side s	ad capacity	Loa	shift	/o side s	d capacity v	Load	nala	Tilt A			t hoight	Eroo lift								
Philic Philic<	(UNLOADED)			e Tire	Double Tire		Single Tire		Doubl	Tire	Single	The Angle				neight	Thee line			Overall Height					
value value <th< th=""><th>Double Tire</th><th>e Tire</th><th>Single</th><th>The second s</th><th></th><th>and the second second</th><th></th><th>10100-0020-000</th><th></th><th>Contraction of the second s</th><th></th><th>Bwd</th><th>Fwd</th><th>krest</th><th colspan="2">Backrest</th><th colspan="2"></th><th colspan="2"></th><th colspan="2">(Lowered)</th><th></th><th>e</th><th>Mast Typ</th></th<>	Double Tire	e Tire	Single	The second s		and the second second		10100-0020-000		Contraction of the second s		Bwd	Fwd	krest	Backrest						(Lowered)			e	Mast Typ
YEAD YEAD <th< th=""><th>lb kg</th><th>kg</th><th>lb</th><th>kg</th><th>lb</th><th>kg</th><th>lb</th><th>kg</th><th>lb</th><th>kg</th><th>lb</th><th>deg</th><th>deg</th><th>mm</th><th>in</th><th>mm</th><th>in</th><th>mm</th><th>in</th><th>mm</th><th>in</th><th>mm</th><th>in</th><th></th><th></th></th<>	lb kg	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	deg	deg	mm	in	mm	in	mm	in	mm	in	mm	in		
String furger Vision	8664 393	3806	8391	2500	5000	2500	5000	2500	5000	2500	5000	10	6							2025	79.7	3005	118.3	V300	
21MBr URE Viol Viol Viol Viol Viol Viol Viol Viol	8708 395	3825	8433	2500	5000	2500	5000	2500	5000	2500	5000	10	6							2175	85.6	3305	130,1	*V330	
Image Image <th< td=""><td>8746 396</td><td>3842</td><td>8470</td><td>2500</td><td>5000</td><td>2500</td><td>5000</td><td>2500</td><td>5000</td><td>2500</td><td>5000</td><td>10</td><td>6</td><td> </td><td></td><td></td><td rowspan="2"></td><td></td><td></td><td>2275</td><td>89.6</td><td>3505</td><td>138.0</td><td>V350</td><td></td></th<>	8746 396	3842	8470	2500	5000	2500	5000	2500	5000	2500	5000	10	6							2275	89.6	3505	138.0	V350	
Piete Vial Vial </td <td>8774 398</td> <td>3854</td> <td>8496</td> <td>2500</td> <td>5000</td> <td>2460</td> <td>5000</td> <td>2500</td> <td>5000</td> <td>2500</td> <td>5000</td> <td>10</td> <td>6</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td>2425</td> <td>95.5</td> <td>3705</td> <td>145.9</td> <td>V370</td> <td></td>	8774 398	3854	8496	2500	5000	2460	5000	2500	5000	2500	5000	10	6							2425	95.5	3705	145.9	V370	
Vial Vial <th< td=""><td>8860 401</td><td>3894</td><td>8585</td><td>2500</td><td>5000</td><td>2380</td><td>5000</td><td>2500</td><td>5000</td><td>2500</td><td>5000</td><td>10</td><td>6</td><td>155</td><td>4.5</td><td>155</td><td>4.5</td><td>155</td><td>4.5</td><td>2575</td><td>101.4</td><td>4005</td><td>157.7</td><td>V400</td><td></td></th<>	8860 401	3894	8585	2500	5000	2380	5000	2500	5000	2500	5000	10	6	155	4.5	155	4.5	155	4.5	2575	101.4	4005	157.7	V400	
H39 H37 4 943 1132 2875 V400 182 4005 1112 2875 V400 1872 4005 1121 2875 2.1 112 2905 123 313 845 52 137 64 65 4860 230 500 230 600 250 630 250 250 250 250 250 250 250 150 1710 155 345 352 232 455 351 170 55 131 66 6 500 200 200 200 200 200 200 200 200 200 200 200 <td>8975 407</td> <td>3946</td> <td>8699</td> <td>2500</td> <td>5000</td> <td>2360</td> <td>5000</td> <td>2500</td> <td>5000</td> <td>2480</td> <td>5000</td> <td>6</td> <td>6</td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2725</td> <td>107.3</td> <td>4305</td> <td>169.5</td> <td>V430</td> <td></td>	8975 407	3946	8699	2500	5000	2360	5000	2500	5000	2480	5000	6	6							2725	107.3	4305	169.5	V430	
MainMa		3968										6	6												UFI
visionvisio		3983	and the state of t	time and the strength of	and the second second			and the second second second			and the second second	-	6											and the second se	-
Press 1172 29% 79.7 20.5 333 845 542 1377 64 157 6 6 5000 2500 5000 2500 2600		4005																							4
2-STAGE ULT RE-U VF28 130 3276 8.1 2175 387 995 60.2 1527 60 1527 66 6 500 2500 <th< td=""><td></td><td>3826</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1377</td><td>54</td><td>1377</td><td>54.2</td><td>845</td><td>333</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		3826												1377	54	1377	54.2	845	333						
Visite 1369 3476 896 2275 4.1 1095 6.4.1 1627 6.4 1670 6.5 6.5 900 2500 5000 2500 5000 28		3859				CALCUMPT 1					and the second second		-					1.3						Card & Cold Street	2-STAGE
TF30 145.9 370.5 71.9 182.5 2.5.4 6.4.5 11.7 4.0.6 6.6 5000 2500 2500 <		3883								100 Con 1 C 100 C								1 - A - I - I						and the second se	ULL FREE LIFT
TF40 157. 4005 75.8 1925 23.3 24.5 93.3 127.7 46 1181 6 6 5000 2500 5000 23.0 5000 24.0 5000 2500 5000 22.0 5000 24.0 87.0 TH430 169.5 47.05 83.7 21.25 33.3 84.5 54.2 13.77 50 12.81 6 6 5000 24.00 5000 22.00 5000 22.00 5000 22.0 5000 22.0 5000 22.0 5000 22.0 5000 22.0 5000 22.0 5000 22.0 20.0 <td></td>																									
TF430 1695 4305 797 2025 333 845 542 1377 500 1281 6 6 5000 2400 5000 2300		3916						the second se		100 TO 400 TO 4									-					1000 C 1000 C 1000	-
Field17.445.058.3721.2537.294.58.117.795.018.16690.021.090.028.080.023.080.083.0 </td <td></td> <td>3940</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>A CONTRACTOR OF A CONTRACTOR OF</td> <td></td> <td></td> <td rowspan="4">1</td>		3940										*										A CONTRACTOR OF			1
Fired185247058562175392995601152754014316649202300240047002200480023008805Fired197050599620754311095641162760153166481023104940240045002190472022808854Fired2364605513232655974247551010956101027770178166632001600450021004700450021004500		3958			10000					1. TOTA 1.		-	, e												
FF300 9170 5005 896 2275 43.1 1095 64.1 1627 60 1531 6 6 4810 2310 4900 4500 4500 4720 2280 8884 F750 2167 5505 974 2475 510 125 719 1827 70 1781 66 6 3240 1500 4780 2310 3200 1430 4500 2930 4930 4930 4300 4300 430		3980						0.0000										2.1/2							
FF50 2167 5505 97.4 247.5 51.0 129 71.9 1827 70 17.81 6 6 24.0 1550 47.80 21.0 32.00 14.30 45.00 21.90 98.90 FUED 236.4 6005 103.2 26.75 58.9 1495 79.8 2027 78 198.1 6 6 29.00 1400 45.00 21.01 21.00 43.00 20.00 198.4 F000 25.51 65.05 11.10 28.55 66.7 16.95 20.4 77.0 27.8 20.00 25.01 45.00 12.00 45.00 12.00 45.00 12.00 45.00 12.00 45.00 12.00 12.00 12.00 23.00 </td <td>9090 412</td> <td>3994</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>177 T T T T T</td> <td></td> <td>1012 AUT</td> <td>1.000</td> <td></td>	9090 412	3994							177 T T T T T													1012 AUT	1.000		
Ff60 23.4 60.5 10.53 26.75 58.9 14.95 79.8 79.0 19.01 6 6 93.01 14.00 45.90 21.01 21.01 12.00 43.00 90.00 91.01 FULL REF 25.1 65.0 11.2 28.75 66.7 169.5 20.4 7.5 19.04 3 3 28.00 15.00 45.00 20.00<		4016											6												
State TF65 25.1 65.05 113.2 28.7 66.7 1695 20.4 7.5 1904 3.3 28.0 130.0 45.0 12.0 43.0 20.00 91.01 FT00 27.58 70.05 12.11 30.75 74.6 1895 88.3 20.44 83 21.04 3.3 24.00 115.0 43.00 20.0		4055											6												
P1700 27.58 7005 12.1 3075 74.6 1895 88.3 22.44 83 21.04 3 3 24.00 15.00 21.00 <	9367 424	4120	9083	2090	4370	1280	2710	2210	4590	1400	2930	6	6	1981	78	2027	79.8	1495	58.9	2675	105.3	6005	236.4	TF600	
FULL FRE Fride 27.8 7.00 12.1 30.7 14.9 18.9 8.8.5 21.04 5 5 24.9 14.90 24.00 24.0 9.00 24.10 9.00 24.10 9.00 24.10 9.00 24.10 9.00 24.10 9.00 24.10 9.00 24.00 9.00 24.00 25.00 5.000 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 25.00 <	9471 429	4166	9184	2060	4320	1230	2620	2180	4540	1350	2840	3	3	1904	75	2044	80.5	1695	66.7	2875	113.2	6505	256.1	TF650	D STACE
IFT TS370 145.9 3705 71.9 182.5 25.4 64.3 1177 37 946 6 6 5000 2500 </td <td>9555 433</td> <td>4204</td> <td>9268</td> <td>1980</td> <td>4150</td> <td>930</td> <td>2210</td> <td>2100</td> <td>4370</td> <td>1150</td> <td>2430</td> <td>3</td> <td>3</td> <td>2104</td> <td>83</td> <td>2244</td> <td>88.3</td> <td>1895</td> <td>74.6</td> <td>3075</td> <td>121.1</td> <td>7005</td> <td>275.8</td> <td>TF700</td> <td></td>	9555 433	4204	9268	1980	4150	930	2210	2100	4370	1150	2430	3	3	2104	83	2244	88.3	1895	74.6	3075	121.1	7005	275.8	TF700	
TS400 157.7 4005 75.8 1925 29.3 745 50.3 1277 41 1046 6 5000 2500 5000 2500 230	8920 404	3916	8633	2500	5000	2460	5000	2500	5000	2500	5000	6	6	946	37	1177	46.3	645	25.4	1825	71.9	3705	145.9	TS370	
TS450177.4450583.7212537.294558.1147753134666500024105000485022004800230088748TS470185.2470585.6217539.299560.1152751129666604900230024004500240048002200480023008805TS500197.05050896227543.1109564.11627551396666648102310494024004500210047002280480023808805TS5002167550597.4247551.0129571.91827671396666481023104940240045002100470022808805TS5002167550597.4247551.0129571.91827671396666324015504780231045002100470022808805TS60023646005103.2267558.9149571.9	8973 407	3940	8686	2500	5000	2380	5000	2500	5000	2500	5000	6	6	1046	41	1277	50.3	745	29.3	1925	75.8	4005	157.7	TS400	
TS470185.2470585.6217539.299.560.11527511296666492023605000245047002240486023308805TS500197.0500589.6227543.1109564.11627551396666481023104940240045002100472022808854TS5002167550597.4247551.0129571.918276716966663240155047802100430043002400430024004300240043002100	9012 408	3958	8726	2460	5000	2320	5000	2500	5000	2440	5000	6	6	1146	45	1377	54.2	845	33.3	2025	79.7	4305	169.5	TS430	
TS50 197.0 5005 89.6 2275 43.1 1095 64.1 1627 55 1396 6 4810 2310 4940 2400 4500 2100 4720 2280 8854 TS500 216.7 5505 97.4 2475 51.0 1295 71.9 1827 67 1696 6 6 2340 1550 47.0 20.0 1430 25.00 1430 25.00 1430 25.00 21.07 28.00 21.07 28.00 <td>9061 411</td> <td>3980</td> <td>8774</td> <td>2380</td> <td>5000</td> <td>2290</td> <td>4850</td> <td>2500</td> <td>5000</td> <td>2410</td> <td>5000</td> <td>6</td> <td>6</td> <td>1346</td> <td>53</td> <td>1477</td> <td>58.1</td> <td>945</td> <td>37.2</td> <td>2125</td> <td>83.7</td> <td>4505</td> <td>177.4</td> <td>TS450</td> <td></td>	9061 411	3980	8774	2380	5000	2290	4850	2500	5000	2410	5000	6	6	1346	53	1477	58.1	945	37.2	2125	83.7	4505	177.4	TS450	
TS50 197.0 5005 89.6 2275 43.1 1095 64.1 1627 55 1396 6 4810 210 4940 2400 4500 2100 4720 2280 8854 TS500 216.7 5505 97.4 2475 51.0 1295 71.9 1827 67 1696 6 6 2310 430 210 430 4500 2100 4720 2280 8854 TS600 216.7 5505 97.4 2475 51.0 1295 71.9 1827 67 1696 6 6 2340 1500 47.0 2100 1430 4560 2100 4300 4500 2101 4300 2101 4300 2101 4300 2101 4300 2101 4300 2101 4300 2101 4300 2101 4300 2101 4300 2101 2100 2101 2100 2101 2100 2101 2101 210	9090 412	3994	8805	2330	4860	2240	4700	2450	5000	2360	4920	6	6	1296	51	1527	60.1	995	39.2	2175	85.6	4705	185.2	TS470	
TS50 216.7 5505 97.4 2475 51.0 1295 71.9 1827 67 1696 6 3240 1550 4780 2310 3200 1430 4560 2190 8940 8940 TS600 236.4 6005 113.2 2675 58.9 1495 79.8 2027 75 1896 6 6 2930 1400 4500 210 1280 4370 2090 9083<	1.0.7.5	4016		the second se		1 . C	A. 27		- CO. C P			6	6		55						10000				
TS600 236.4 6005 105.3 2675 58.9 1495 79.8 2027 75 1896 6 6 2930 1400 4590 2210 27.0 1280 4370 2090 9083 TS600 256.1 6505 1132 2875 66.7 1695 79.4 2016 74 1876 3 3 2840 1350 4540 210 2120 1280 4370 2080 9184 TS700 275.8 7005 121.1 3075 74.6 1895 87.2 2216 82 2076 3 3 2430 1150 4370 2100 210 930 4150 9308 9268 4.07610 240.7 6115 85.0 2160 38.6 980 59.5 1512 56.6 1412 3 3330 1600 4410 2100 3100 4100 2000 9616 4-57AGE QF600 26.04 66.	9224 418	4055	100 St 10 St			a substant of the second s			and the second second										265.		and the second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		and the second sec	
TS650 256.1 6605 113.2 287.5 66.7 1695 79.4 2016 74 1876 3 284.0 1350 4540 2180 262.0 123.0 432.0 206.0 918.4 TS700 275.8 7005 121.1 3075 74.6 1895 87.2 2216 82 2076 3 3 2430 1150 4370 2100 2210 930 4150 1980 9268 QF610 240.7 6115 85.0 2160 38.0 95.5 1512 56. 1412 3 3330 1600 4410 2100 2100 240.0 1480 4190 2000 9616 4-STAGE QF60 260.4 6615 92.9 2360 1612 3 3 3 2910 1400 4230 2040 2630 120.0 9300 1300 9300 1300 9300 1400 9430 2040 2040 2040		4120																							
TS700 275.8 7005 121.1 3075 74.6 1895 87.2 2216 82 2076 3 3 2430 1150 4370 2100 2210 930 4150 9308 9268 QF610 240.7 6115 85.0 2160 38.6 980 59.5 1512 56 1412 3 3330 1600 4410 2100 2100 4190 2000 9616 4-STAGE FULTOR QF600 26.04 6615 92.9 2360 46.5 1180 67.4 1712 63 1612 3 3 2910 1400 4230 2040 2600 1200 9300 4150 9200 9300 930		4166																							-
QF610 240.7 6115 85.0 2160 38.6 980 59.5 1512 56 1412 3 3330 1600 4410 2120 3110 1480 4190 2000 9616 4-STAGE QF600 260.4 6615 92.9 2360 46.5 1180 67.4 1712 63 1612 3 3330 1600 4410 2120 3110 1480 4100 2000 9616 FULL INFE QF700 27.62 7015 96.9 2460 50.4 1280 71.3 1812 67.4 1712 3 3 2910 1400 4230 2040 2600 1280 4010 1920 9749 FULL INFE QF700 27.62 7015 96.9 2460 50.4 1280 71.3 1812 67.4 1712 3 3 2910 1100 4120 2800 2010 3900 1860 9815 3815		4204											-												
4-STAGE QF60 2604 6615 92.9 2360 46.5 1180 67.4 1712 63 1612 3 3 2910 1400 4230 2040 2690 1280 4010 1920 9749 FULL FRE QF700 276.2 7015 96.9 2460 50.4 1280 71.3 1812 67 1712 3 3 2910 1100 4120 2690 1280 4010 1920 9749 FULL FRE QF700 276.2 7015 96.9 2460 50.4 1280 71.3 1812 67 1712 3 3 2910 1400 4230 2040 2690 1280 4010 1920 9749 H 9749 2 2 71.3 1812 67 1712 3 3 2910 1400 4230 2040 2690 1280 4010 1920 9749 H 9749 2 3 3 2910 1100 4120 1800 2070 980 3900 <t< td=""><td></td><td>4362</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>and a set of the set of the set</td><td></td></t<>		4362																						and a set of the set of the set	
FULL FREE QF700 276.2 7015 96.9 2460 50.4 1280 71.3 1812 67 1712 3 3 2290 1100 4120 1980 2070 980 3900 1860 9815		4302				1																			
		1012.0											-							and the second se		and the second second	10.00	1	
		4452	to be to as a set of the		6.11.11				100 Carl 110		0.500				2.02						and a second	A STATE			
QF790 311.6 7915 108.7 2760 62.2 1580 75.4 1915 69 1762 3 3 1260 600 2600 1260 <th1260< th=""> <th1260< th=""> <th1260< td="" th<=""><td></td><td>4498 4598</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>the second s</td><td>LA I</td></th1260<></th1260<></th1260<>		4498 4598																						the second s	LA I

* : Standard

New 9 Series Mast Specifications

		Maxi	mum	Overall Height (Lowered)		Free lift height						Tilt Angle		Load capacity w/o side shift Single Tire Double Tire			Load capacity w/side shift Single Tire Double Tire				TRUCK WEIGHT (UNLOADED)				
Mast Ty	oe	Fo	ork ight			With Load Backrest		Without Load Backrest		Without Load Backrest (3/4-SPOOL)		Fwd	Bwd	24 in LC	500mm LC		500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	Single	e Tire	Doub	le Tire
		in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	V300	118.3	3005	80.3	2040							6	10	6000	3000	6000	3000	6000	3000	6000	3000	9257	4199	9464	4293
	*V330	130.1	3305	86.2	2190							6	10	6000	3000	6000	3000	6000	3000	6000	3000	9301	4219	9508	4313
	V350	138.0	3505	90.2	2290							6	10	6000	3000	6000	3000	6000	3000	6000	3000	9341	4237	9548	4331
2-STAGE	V370	145.9	3705	96.1	2440							6	10	6000	3000	6000	3000	6000	2930	6000	3000	9370	4250	9577	4344
LIMITED	V400	157.7	4005	102.0	2590	4.5	155	4.5	155	4.5	155	6	10	6000	3000	6000	3000	6000	2820	6000	3000	9458	4290	9667	4385
LIFT	V430	169.5	4305	107.9	2740							6	6	6000	2960	6000	3000	6000	2780	6000	2950	9575	4343	9782	4437
-	V450	177.4	4505	113.8	2890							6	6	6000	2920	6000	3000	5800	2740	6000	2825	9625	4366	9832	4460
	V470	185.2	4705	117.7	2990							6	6	5910	2850	6000	2930	5610	2670	5830	2755	9658	4381	9866	4475
	V500	197.0	5005	123.6	3140							6	6	5820	2650	5970	2890	5520	2470	5670	2715	9709	4404	9916	4498
	VF295	117.2	2976	80.3	2040	33.9	860	51.7	1314	51.7	1314	6	6	6000	3000	6000	3000	6000	3000	6000	3000	9400	4264	9605	4357
2-STAGE	VF325	129.0	3276	85.1	2190	38.7	1010	60.2	1464	58	1464	6	6	6000	3000	6000	3000	6000	2950	6000	3000	9478	4299	9683	4392
LL FREE LIFT	VF345	136.9	3476	90.2	2290	43.7	1110	61.6	1564	62	1564	6	6	6000	3000	6000	3000	6000	2820	6000	2950	9555	4334	9760	4427
	TF370	145.9	3705	72.4	1840	26.0	660	43.9	1114	43	1081	6	6	6000	3000	6000	3000	6000	2820	6000	3000	9641	4373	9846	4466
	TF400	157.7	4005	76.4	1940	29.9	760	47.8	1214	46	1181	6	6	6000	3000	6000	3000	6000	2800	6000	2950	9696	4398	9899	4490
	TF430	169.5	4305	80.3	2040	33.9	860	51.7	1314	50	1281	6	6	6000	2930	6000	3000	5810	2750	6000	2825	9744	4420	9947	4512
	TF450	177,4	4505	84,3	2140	37.8	960	55.7	1414	56	1414	6	6	5930	2880	6000	2940	5630	2700	5830	2765	9799	4445	10004	4538
	TF470	185.2	4705	86.2	2190	39.8	1010	57.6	1464	56	1431	6	6	5890	2850	5970	2900	5590	2670	5670	2725	9830	4459	10035	4552
	TF500	197.0	5005	90.2	2290	43.7	1110	61.6	1564	60	1531	6	6	5730	2700	5840	2840	5430	2520	5540	2665	9881	4482	10084	4574
	TF550	216.7	5505	98.0	2490	51.6	1310	69.4	1764	69	1764	6	6	3660	1750	5640	2720	3360	1570	5340	2545	9978	4526	10181	4618
	TF600	236.4	6005	105.9	2690	59.4	1510	77.3	1964	77	1964	6	6	3020	1450	5450	2630	2720	1270	5150	2455	10132	4596	10335	4688
	TF650	256.1	6505	113.8	2890	67.3	1710	81.1	2061	76	1921	3	3	2930	1400	5380	2590	2630	1220	5080	2415	10245	4647	10448	4739
3-STAGE	TF700	275.8	7005	121.7	3090	75.2	1910	89.0	2261	84	2121	3	3	2540	1200	5200	2500	2240	1020	4900	2325	10340	4690	10545	4783
FULL FREE	TS370	145.9	3705	72.4	1840	26.0	660	43.9	1114	41	1053	6	6	6000	3000	6000	3000	6000	2820	6000	3000	9641	4373	9846	4466
LIFT	TS400	157.7	4005	76.4	1940	29.9	760	47.8	1214	45	1153	6	6	6000	3000	6000	3000	6000	2800	6000	2950	9696	4398	9899	4490
	TS430	169.5	4305	80.3	2040	33.9	860	51.7	1314	49	1253	6	6	6000	2930	6000	3000	5810	2750	6000	2330	9744	4330	9947	4512
	TS450	177.4	4505	84.3	2140	37.8	960	55.7	1414	55	1403	6	6	5930	2350	6000	2940	5630	2700	5830	2765	9799	4445	10004	4538
	TS470	185.2	4705	86.2	2140	39.8	1010	57.6	1414	55	1403	6	6	5890	2850	5970	2940	5590	2670	5670	2705	9830	4459	10004	4552
	TS500	197.0	5005	90.2	2290	43.7	1110	61.6	1564	59	1503	6	6	5730	2700	5840	2900	5430	2520	5540	2665	9881	4482	10033	4552
	TS550	216.7	5505	90.2	2290	51.6	1310	69.4	1764	69	1753	6	6	3660	1750	5640	2720	3360	1570	5340	2545	9001	44402	10084	4574
	TS600	236.4	6005	105.9	2690	59.4	1510	77.3	1964	77	1953	6	6	3020	1450	5450	2630	2720	1270	5150	2345	10132	4520	10335	4688
	TS650	236.4	6505	105.9	2690	59.4 67.3	1710	80.0	2033	75	1953	3	3	2930	1450	5450 5380	2630	2720	1270	5080	2455	10132	4596	10335	4688
	TS650									82		3	3	2930				2630				10245			-
		275.8	7005	121.7	3090	75.2	1910	87.9	2233		2093	-	-		1200	5200	2500		1020	4900	2325		4690	10545	4783
	QF610	240.7	6115	85.6	2175	39.2	995	57.0	1449	57	1449	3	3	3530	1700	5290	2560	3230	1520	4990	2385	10545	4783	10789	4894
4-STAGE	QF660	260.4	6615	93.5	2375	47.0	1195	64.9	1649	65	1649	3	3	3130	1500	5090	2460	2830	1320	4790	2285	10677	4843	10922	4954
FULL FREE LIFT	QF700	276.2	7015	97.4	2475	51.0	1295	68.9	1749	69	1749	3	3	2510	1200	4960	2400	2210	1020	4660	2225	10743	4873	10988	4984
EU I	QF745	293.9	7465	103.3	2625	56.9	1445	74.8	1899	69	1762	3	3	1870	900	4830	2320	1570	720	4530	2145	10844	4919	11089	5030
	QF790	311.6	7915	109.3	2775	62.8	1595	75.4	1915	69	1762	3	3	1480	700	4650	2230	1180	520	4350	2055	11065	5019	11312	5131

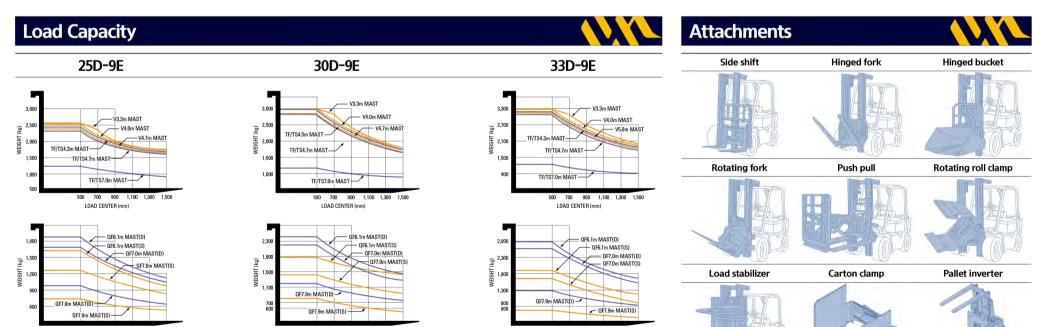
*: Standard 12_13

New 9 Series Mast Specifications

								Free lif	t height			Tilt A	Angle		d capacity				ad capacity		7	TRUCK WEIGHT (UNLOADED)			
		Maxi Fo	mum ork	Overall Height (Lowered)		With Load Without Load Without Load							ngle Tire		ole Tire		le Tire		ole Tire						
Mast Ty	pe	Hei	ight			With Load Backrest		Without Load Backrest		Bac	krest POOL)	Fwd	Bwd	24 in LC	500mm LC	Single	e Tire	Doub	le Tire						
		in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
	V300	118.3	3005	83.1	2110							6	10	6500	3300	6500	3300	6500	3300	6500	3300	9868	4476	10108	4585
	*V330	130.1	3305	89.0	2260							6	10	6500	3300	6500	3300	6500	3300	6500	3300	9921	4500	10161	4609
2 CTACE	V350	138.0	3505	92.9	2360							6	10	6500	3300	6500	3300	6500	3300	6500	3300	9954	4515	10196	4625
2-STAGE LIMITED	V370	145.9	3705	98.8	2510							6	10	6500	3300	6500	3300	6500	3210	6500	3300	9987	4530	10225	4638
FREE	V400	157.7	4005	104.7	2660	4.5	155	4.5	155	4.5	155	6	10	6500	3300	6500	3300	6500	3120	6500	3300	10077	4571	10317	4680
LIFT	V430	169.5	4305	110.6	2810							6	6	6500	3250	6500	3300	6500	3070	6500	3250	10196	4625	10437	4734
	V450	177.4	4505	116.5	2960							6	6	6500	3190	6500	3300	6500	3010	6500	3125	10247	4648	10489	4758
	V470	185.2	4705	120.5	3060							6	6	6500	3140	6500	3240	6300	2960	6500	3065	10282	4664	10523	4773
	V500	197.0	5005	126.4	3210							6	6	6420	3100	6500	3170	6120	2920	6500	2995	10335	4688	10575	4797
2-STAGE	VF295	117.2	2976	83.1	2110	36.6	930	54.5	1384	54	1384	6	6	6500	3300	6500	3300	6500	3300	6500	3300	10051	4559	10284	4665
ULL FREE LIFT	VF325	129.0	3276	88.3	2260	41.9	1080	60.1	1534	60	1534	6	6	6500	3300	6500	3300	6500	3210	6500	3300	10130	4595	10364	4701
	VF345	136.9	3476	89.0	2260	46.5	1180	64.3	1634	64	1634	6	6	6500	3300	6500	3300	6500	3120	6500	3250	10207	4630	10439	473
	TF370	145.9	3705	75.2	1910	28.7	730	43.9	1114	44	1114	6	6	6500	3300	6500	3300	6500	3120	6500	3250	10366	4702	10600	4808
	TF400	157.7	4005	79.1	2010	32.7	830	47.8	1214	48	1214	6	6	6500	3250	6500	3300	6500	3070	6500	3125	10414	4724	10648	4830
	TF430	169.5	4305	83.1	2110	36.6	930	51.7	1314	52	1314	6	6	6500	3180	6500	3280	6500	3000	6500	3105	10461	4745	10694	485
	TF450	177.4	4505	87.0	2210	40.6	1030	55.7	1414	56	1414	6	6	6500	3120	6500	3220	6270	2940	6500	3045	10507	4766	10743	4873
	TF470	185.2	4705	89.0	2260	42.5	1080	57.6	1464	58	1464	6	6	6350	3080	6500	3170	6050	2900	6290	2995	10538	4780	10772	4886
	TF500	197.0	5005	92.9	2360	46.5	1180	61.6	1564	62	1564	6	6	6260	3030	6390	3110	5960	2850	6090	2935	10586	4802	10820	4908
	TF550	216.7	5505	100.8	2560	54.3	1380	69.4	1764	69	1764	6	6	4560	2200	6170	2990	4260	2020	5870	2815	10683	4846	10917	495
	TF600	236.4	6005	108.7	2760	62.2	1580	77.3	1964	77	1964	6	6	3130	1500	5950	2870	2830	1320	5650	2695	10844	4919	11078	502
3-STAGE	TF650	256.1	6505	116.5	2960	70.1	1780	85.2	2164	81	2061	3	3	3060	1450	5910	2830	2760	1280	5610	2655	10950	4967	11184	507
FULL FREE	TF700	275.8	7005	124.4	3160	78.0	1980	93.1	2364	89	2261	3	3	2650	1250	5710	2730	2350	1080	5410	2555	11041	5008	11274	5114
LIFT	TS370	145.9	3705	75.2	1910	28.7	730	43.9	1114	44	1114	6	6	6500	3300	6500	3300	6500	3120	6500	3250	10366	4702	10600	4808
	TS400	157.7	4005	79.1	2010	32.7	830	47.8	1214	48	1214	6	6	6500	3250	6500	3300	6500	3070	6500	3125	10414	4724	10648	4830
	TS430	169.5	4305	83.1	2110	36.6	930	51.7	1314	52	1314	6	6	6500	3180	6500	3280	6500	3000	6500	3105	10461	4745	10694	485
	TS450	177.4	4505	87.0	2210	40.6	1030	55.7	1414	56	1414	6	6	6500	3120	6500	3220	6270	2940	6500	3045	10507	4766	10743	4873
	TS470	185.2	4705	89.0	2260	42.5	1080	57.6	1464	58	1464	6	6	6350	3080	6500	3170	6050	2900	6290	2995	10538	4780	10772	4886
	TS500	197.0	5005	92.9	2360	46.5	1180	61.6	1564	62	1564	6	6	6260	3030	6390	3110	5960	2850	6090	2935	10586	4802	10820	4908
	TS550	216.7	5505	100.8	2560	54.3	1380	69.4	1764	69	1764	6	6	4560	2200	6170	2990	4260	2020	5870	2815	10683	4846	10917	4952
	TS600	236.4	6005	108.7	2760	62.2	1580	77.3	1964	77	1964	6	6	3130	1500	5950	2870	2830	1320	5650	2695	10844	4919	11078	502
	TS650	256.1	6505	116.5	2960	70.1	1780	85.2	2164	80	2033	3	3	3060	1450	5910	2830	2760	1280	5610	2655	10950	4967	11184	507
	TS700	275.8	7005	124.4	3160	78.0	1980	93.1	2364	88	2233	3	3	2650	1250	5710	2730	2350	1080	5410	2555	11041	5008	11274	511
	QF610	240.7	6115	87.6	2225	41.1	1045	57.0	1449	57	1449	3	3	3750	1800	5930	2870	3450	1620	5630	2695	11122	5045	11367	5156
4-STAGE	QF660	260.4	6615	95.5	2425	49.0	1245	64.9	1649	65	1649	3	3	3330	1600	5730	2770	3030	1420	5430	2595	11254	5105	11499	521
FULL FREE	QF700	276.2	7015	99.4	2525	53.0	1345	68.9	1749	69	1749	3	3	2710	1300	5600	2700	2410	1120	5300	2525	11321	5135	11565	524
LIFT	QF745	293.9	7465	105.3	2675	58.9	1495	74.8	1899	73	1862	3	3	2090	1000	5420	2620	1790	820	5120	2445	11415	5178	11660	5289
	QF790	311.6	7915	111.2	2825	64.8	1645	79.3	2015	73	1862	3	3	1680	800	5250	2530	1380	620	4950	2355	11642	5281	11889	5393

⋇ : Standard

New 9 Series



500 700 900 1,100 1,300 1,50 LOAD CENTER (mm)

500 700 900 1,100 1,300 1,500 LOAD CENTER (mm)





Optional Items

• Fork(mm)

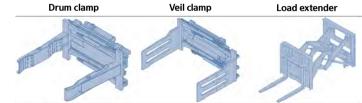
25D-9E : 900, 1000, 1050(STD), 1200, 1350, 1500, 1650, 1800, 2100 30/33D-9E : 900, 1050(STD), 1150, 1200, 1350, 1500, 1650, 1800, 1970, 2120, 2300, 2400 • Integral Sideshift, , Fork positioner, Sideshift

- Tire : Pneumatic(STD)/ Solid(superelastic) / Non-marking / Front double tire
- · M.C.V : 4-Spool, 3-Spool(STD), 2-Spool
- Seat : Armrest, Heat, Backrest Ext, Buckle SW
- Load Indicator
- Auto Fork Leveling System
- · Rear Tire & Under Cover

Rear View Camera

· Cabin (Heater)

- Hydraulic Pump Temperature / Pressure Monitor
- Battery Disconnect Switch (Master Switch)
- Beacon Lamp LED (Amber, Red, Blue)
- Rear Work Lamp
- F-N-R & Horn Knob switch
- Rear Horn
- Fire Extinguisher
- Pre Cleaner
- Emergency Switch
- · OPSS (Travel, Mast)



Fork positioner



* All specifications and photos in this catalog are subject to change for quality improvement.