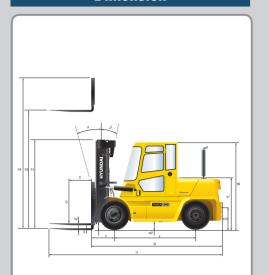
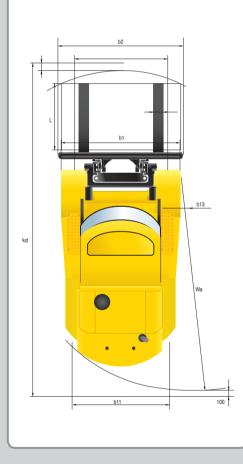
Dimension





		Spe	ecificatio	n		
Ident	tification	_	_		_	_
1.1	Manufacturer		Hyundai	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation		50D-7E	60D-7E	70D-7E	80D-7E
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas,	manual	DIESEL	DIESEL	DIESEL	DIESEL
1.4	Type of operation:hand,pedestrian,standing,seated,ord		seated	seated	seated	seated
1.5	Load capacity / rated load	lb	11,023	13,228	15,432	17,637
1.6	Load center distance	c(in)	24	24	24	24
1.8	Load distance, center of drive axle to fork	x(in)	23.8	23.8	23.8	27.2
1.9	Wheelbase	y(in)	94.5	94.5	94.5	98.5
Weig	yhts					
2.1	Service weight	lb	18,607	20,322	21,795	24,264
2.2	Axle loading, loaded front/rear	lb	26,374 / 3,256	29,791 / 3,759	32,776 / 4,451	37,320 / 4,581
2.3	Axle loading, unloaded front/rear	lb	9,524 / 9,079	9,575 / 10,748	9,191 / 12,604	10,582 / 13,682
Whe	els, Chassis					
3.1	Tires:solid rubber, superelastic, pneumatic, polyu	rethane	pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tires size, front(øx width)		8.25-15-14	8.25-15-14	8.25-15-14	9.00-20-14
3.3	Tires size, rear(øx width)		8.25-15-14	8.25-15-14	8.25-15-14	9.00-20-14
3.5	Wheels, number front x rear (x=driven wheels)		4 x / 2	4 x / 2	4 x / 2	4 x / 2
3.6	Track width, front	b10 in	62.2	62.2	62.2	64.3
3.7	Track width, rear	b11 in	63.1	63.1	63.1	66.9
=	c Dimensions					
4.1	Mast / fork carriage tilt forward / backward (α xβ)	degrees	15/10	15 / 10	15/10	15 / 10
4.2	Lowered mast height	h1 (in)	99	99	99	105.3
4.3	Free lift	h2 (in)	5.5	5.5	5.5	5.7
4.4	Lift height	h3 (in)	119.3	119.3	119.3	119.7
4.5	Extended mast height	h4 (in)	168.3	168.3	168.3	172.2
4.7	Overhead guard height	h6 (in)	98.4	98.4	98.4	102.4
4.8	Seat height / standing height	h7 (in)	53.7	53.7	53.7	59
4.12	Coupling height	h10 (in)	16.9	16.9	16.9	19.3
4.19	Overall length	I1 (in)	185	187.6	189.8	196.9
4.20	Length to face of forks	12 (in)	137.8	140.5	142.9	153.5
4.21	Overall width (Frame)	b1 (in)	89.3 / 82.2	89.3 / 82.2	89.3 / 82.2	89.6
4.22		s/e/l(in)	2.4 x 5.9 x 47.2	2.6 x 5.9 x 47.2	2.6 x 5.9 x 47.2	2.8 x 7.1 x 47.2
4.23	Fork carriage ISO 2328, class / type A,B	1.0 (%)	Class IV	Class IV	Class IV	Class IV
4.24	Fork-carriage width	b2 (in)	82.2	82.2	82.2	89.3
4.31	Ground clearance, loaded, under mast	m1 (in)	7.7 9.3	7.7 9.3	7.7 9.3	9.8
4.32	Ground clearance, centre of wheelbase	m2 (in)	200.2	202	203.7	12.3
4.33	Aisle width for pallets 1,000 x 1,200 crossways (L x W)	Ast (in)	208.1	209.8	211.6	216.1
4.34	Aisle width for pallets 800 x 1,200 lengthways (W x L)	Ast (in)	128.7	130.5	132.3	224
4.35 4.36	Turning radius Smallest pivot point distance	Wa (in) b13 in	46.9	46.9	46.9	141.7 53.3
	ormance Data	ווו פוע	40.3	40.3	40.5	33.3
		mnh	21.8	34.9	34.8	35.2
5.1	Travel speed, unloaded Lift speed, loaded / unloaded	mph	86.6 / 90.5	86.6 / 90.5	86.6 / 90.5	80.7 / 94.5
5.2	Lowering speed, loaded / unloaded	fpm fpm	98.4 / 88.6	98.4 / 88.6	98.4 / 88.6	98.4 / 88.6
5.5	Drawbar pull, loaded	lb	14,264	14,334	14,390	14,228
5.7	Gradient performance, loaded / unloaded	%	48.3	41.7	37.2	32.9
5.9	Acceleration time, loaded / unloaded(10m)	70	-	-		-
5.10	Service brake		FOOT (Hydraulic)	FOOT (Hydraulic)	FOOT (Hydraulic)	FOOT (Hydraulic)
Engir				- La () Januario (
6.1	Engine manufacturer / type		HMC D4DD	HMC D4DD	HMC D4DD	HMC D4DD
6.2	Engine power acc. to ISO 1585	HP	98.6	98.6	98.6	98.6
	Rated speed	1/min	2,300	2,300	2,300	2,300
6.3				3,907	3,907	3,907
6.3		cm ²	3 907			
6.4	No. of cylinder / cubic capacity	cm ²	3,907 4.0			
6.4 6.5	No. of cylinder / cubic capacity Fuel consumption acc. To VDI cycle	cm² l /h	3,907	4.2	4.5	5.2
6.4 6.5 Othe	No. of cylinder / cubic capacity Fuel consumption acc. To VDI cycle er Details		4.0	4.2		5.2
6.4 6.5 Othe 8.1	No. of cylinder / cubic capacity Fuel consumption acc. To VDI cycle er Details Type of drive control	l /h	4.0 Full Auto	4.2 Full Auto	4.5 Full Auto	5.2 Power Shaft
6.4 6.5 Othe	No. of cylinder / cubic capacity Fuel consumption acc. To VDI cycle er Details		4.0	4.2	4.5	5.2

Tel (82) (2) 746-4609, 4638 Fax (82) (2) 746-7444~7445

Americas Operation: Hyundai Construction Equipment Americas, Inc. 6100 ATLANTIC BOULEVARD NORCROSS GA 30071 U.S.A TEL: (1)847-678-823-7802 FAX: (1)847-678-823-7

Europe Operation : Hyundai Heavy Industries Europe N.V. VOSSENDAAL 11, 2440 GEEL, BELGIUM Tel (32) 14-56-2200 Fax (32) 14-59-3405

PLEASE CONTACT

www.hyundai-ce.com

2011. 12. Rev. 1



North America Only

FORKLIFT TRUCKS Environmentally - Friendly

50/60/70/80D-7E





- 02 03 ---

The new master on the job-site!

Smooth running, efficient and ergonomically designed, 50/60/70/80D-7E series are made to meet your needs.

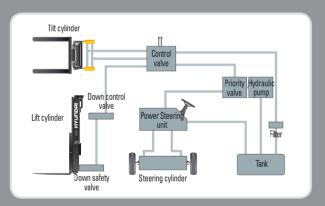


Powerful engine

HMC D4DD Engine

Market approved quality of HMC D4DD engine ensures incomparable performance, durability and excellent fuel efficiency. This engine meets EPA Tier-III and EU stage IIIA emission regulations.

93.6HP/2,300rpm 33kgf+m/1,500rpm



State-of-the-art hydraulic system

The latest large-capacity hydraulic system reacts quickly during operation, and a low-noise control valve increases both efficiency and durability.





Key-locking fuel filler

Increased security on job sites with locking fuel cap, plus an increased capacity fuel tank for less down time.



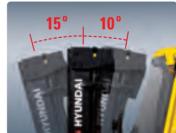
Wet disc brake system

The wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.



Fully hydrostatic power steering

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



Increased mast tilting angle

The mast tilting angle of 15 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.

Faster travel speed & gradeability

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



Gradeability(Loaded) Travel speed(Unloaded)

 50D-7E
 52.2%
 50D-7E
 21.8 mph

 60D-7E
 44.9%
 60D-7E
 21.7 mph

 70D-7E
 39.9%
 70D-7E
 21.6 mph

 80D-7E
 34.0%
 80D-7E
 21.4 mph

 $04 \hspace{1cm} 05 \hspace{1cm} -$

Ergonomic operator friendly compartment design!

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

Operator friendly gauges and water-resistant USB MP3 player monitor panel







High-output air conditioner & heater

An air conditioner with high-output and heater always provide you comfortable environment when you work.







Rear View Camera

camera channels. (Option)



Load Indicator

The rear view camera makes the A load can be placed on the fork operation more easy and and can be accurately weighed convenient. And it supports 4 by measuring the hydraulic pressure. (Option)



Centralized instrument switch panel

Right side switch panel improves operator's convenience.



Adjustable steering wheel

Steering wheel with horn button can be adjusted by a lever on the right-hand side for the most comfortable operator position.



Quick response of operating control levers

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



Easy and safe shift lever

A single lever on the left side of the steering column gives the operator fast, easy control of direction. The lever must be in the neutral position before the engine can be started.



Multi-function switch lever

Multi-functional switch lever gives easy access to lights and horn.



Ergonomically positioned pedals

Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for convenience while operating the equipment.

Enhanced safety through high durability!

Safety and durability are priorities in the design of the equipment.



Up-to-date cooling system

The minimum fuel consumption and low noise are available by applying hydraulic cooling fan sensing intake air temperature, transmission oil temperature, coolant temperature and hydraulic temperature.



Highly durable split type drive axle

The durable drive axle provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.



Full-automatic transmission

Full-automatic transmission gives easy, convenient handling and soft, smooth shifting. The operator can select two kinds of automatic mode.





Heavy duty single unit frame

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



Large footboard & hand grip
Wide "open" step offers convenience and

Wide "open" step offers convenience a safety when entering and exiting truck.



Bright, protected headlights

Bright, protected headlights are positioned for exceptional visibility.



Expansion bellows

The expansion bellows absorbs vibration and reduces noise generated from the exhaust gas system and also extends the life cycle of exhaust gas system.



Fitted protector for hub bolts

Durability has improved by applying protector for preventing bolts breakage. (Easy parts supply due to the wheel in common with front wheel)



OPSS (Operator Presence Sensing System)

ge. Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is



Grease fittings

Grease fittings are installed for fast access to steering axle center pin when doing your service checks.

not in the seated position.(Option)

Centralized design for easy service!

An ideal arrangement of component parts ensures easy accesses and conveniences for the maintenance.



Large engine hood
Highly accessible engine compartment assures fast and efficient maintenance.



Easy change air cleaner

The air filter is readily accessible for cleaning or replacement.



Cabin air fresh filter

The internal pressure is maintained to be slightly higher than that of outside to exclude dust and to reduce noise





Compact fuse box for easy inspection



Mechanic friendly fuel filter replacement

Highly accessible engine compartment allows for quick replacement of filters.



Electrically monitored air filter

Air cleaner sensor alerts the operator of a clogged air filter and allows replacement before damage.



Cabin tilting automatic system

Cabin tilting automatic system makes servicing of all power train components quick and easy. An electrically assisted hydraulic actuated cylinder tilts operator cabin to left side about 54 degrees for easy access to inside of truck components.



Maintenance free battery



Large tool box

Additional tool box located in machine side for operator's convenience.





Easy-to-access reservoir tank Wing cover locking system

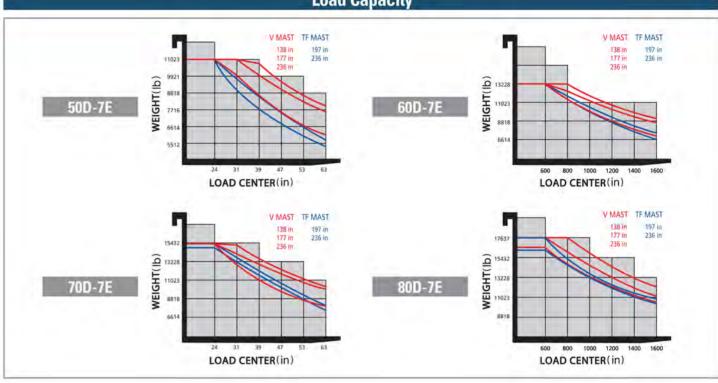
Mast Specification(Hook/Shaft Type)

		90.000		Overall Height(in)							Free Lift (in)											
	Mast Type		Maximum Fork Height (in)				Extended				Without Load Backrest		With Std Load Backrest		Tilt A	Angle	Load Capacity without		Load Capacity with		Truck Weight	
Model					Lowered		W/o Load Backrest		W/Std Load Backrest						(deg)		side shift at 24 in LC(lb)		side shift at 24 in LC(lb)		(Unloaded) (lb)	
			Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Fwd	Bwd	Hook	Shaft	Hook	Shaft	Hook	Shaft
		V270	107.5	107.5	93.1	93.1	145.3		158.3	156.5	5,5		5,5	5,5	15	10	11025	11025	11025	-4-	18864	18505
	2 Stage limited free lift	*V300	119.3	119.3	99.0	99.0	157.1		170.1	168,3	5.5	30	5.5	5.5	15	10	11025	11025	11025	-	18969	18607
		V330	131.1	131.1	104.9	104.9	168.9	4.	181.9	180.1	5.5	2, -	5.5	5.5	15	10	11025	11025	11025	4-	19074	18714
		V350	139.0	139.0	108.9	108.9	176.8	(3)	189.8	188.0	5.5	81	5.5	5.5	15	10	11025	11025	11025	- 5	19144	18785
		V370	146.9	146.9	112.8	112.8	184.7	11-11	197.6	195.9	5.5	-	5.5	5.5	15	10	11025	11025	11025		19214	18853
		V400	158.7	158.7	118.7	118.7	196.5	1.	209.4	207.7	5.5	(8)	5.5	5.5	15	10	11025	11025	11025	-	19338	18977
FAR 3F		V450	178.3	178.3	130.5	130.5	216.2		229.1	227,4	5.5	8	5.5	5.5	15	10	11025	11025	11025	*	19840	19480
50D-7E		V500	198.0	198.0	140.4	140.4	235.9	1.0	248.8	247.0	5.5	(8)	5.5	5.5	15	10	11025	11025	11025	-	20016	19656
		V550	217.7	217.7	150.2	150.2	255.6	14	268.5	266.7	5.5	-1	5.5	5.5	15	10	11025	11025	11025	-	20191	19830
		V600	237.4	237.4	160.0	160.0	275.2	Q	288.2	286.4	5.5	Α.	5.5	5.5	15	10	11025	11025	10915	2	20364	20064
	3 Stage	TF450	179.53	179.53	101.0	101.0	218.3	141	228.5	228.5	62.2	-90	50.2	52.0	15	10	11025	11025	11025		20261	19861
		TF500	199.21	199.21	227.0	227.0	238.0	Dr.	248.2	248.2	70.1	9	58.1	59.8	15	10	11025	11025	11025	-	20464	20064
	full tree lift	TF560	220.47	220.47	116.7	116.7	259.3		269.5	269.5	78.0	3.	65.9	67.7	15	10	11025	11025	10695	-	20709	20309
		TF600	238.58	238.58	124.6	124.6	277.4		287.6	287.6	85.8	4	73.8	75.6	15	10	11025	10805	10364	-	20902	20501

		Name and		Overall Height (in)							Free Lift (in)					1000			200					+ (1000)			
	Mast Type		1000000	Maximum			Extended			Without Load Backrest		With Std Load Backrest		Tilt A	Tilt Angle		Load Capacity without side shift at 24 in LC(lb)					acity w 600mm		Truck Weight (Unloaded) (lb)			
Model			Fork Height (in)		Lowered		W/o Load Backrest		W/Std Load Backrest					(deg)		60D-7E		70D-7E		60D-7E		70D-7E		60D-7E	70D-7E		
			Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Fwd	Bwd	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook Shaft	Hook	Shaft
		V270	107.5	107.5	93.1	93.1	154.0		158.3	156.5	5.5	141	5.5	5.5	15	10	13230	13230	15436	15436	13230	-	15436	-	20280 20221	21661	21693
	2 Stage	*V300	119.3	119.3	99.0	99.0	165.8		170.1	168.3	5.5		5.5	5.5	15	10	13230	13230	15436	15436	13230	~	15436	13	20385 20322	21766	21795
		V330	131.1	131.1	104.9	104.9	177.6	-	181.9	180.1	5.5	100	5.5	5.5	15	10	13230	13230	15436	15436	13230		15436		20490 20430	21871	21976
		V350	139.0	139.0	108.9	108.9	185.5		189.8	188.0	5.5		5.5	5.5	15	10	13230	13230	15436	15436	13230	œ.	15436		20560 20501	21941	21974
		V370	146.9	146.9	112.8	112.8	193.3	. 3-	197.6	195.9	5.5		5.5	5.5	15	10	13230	13230	15436	15436	13230	1	15436	4.)	20630 20569	22011	22042
	limited free lift	V400	158.7	158.7	118.7	118.7	205.2	14.1	209.4	207.7	5.5	i.	5.5	5.5	15	10	13230	13230	15436	15436	13230		15436	4	20754 20692	22134	22165
60D-7E	HECHIE	V450	178.3	178.3	130.5	130.5	224.8	181	229.1	227.4	5.5		5.5	5.5	15	10	13230	13230	15436	15436	13230		15436	4	21256 21195	22636	22668
70D-7E		V500	198.0	198.0	140.4	140.4	244.5	Ta.	248.8	247.0	5.5		5.5	5.5	15	10	13230	13230	15436	15436	13120		15105	G	21432 21372	22812	22845
100-1L		V550	217.7	217.7	150.2	150.2	264.2	-6-	268.5	266.7	5.5	- 2 -	5.5	5.5	15	10	13230	13230	15436	15436	12679	افيا	14664	(i-	21607 21546	22987	23019
		V600	237.4	237.4	160.0	160.0	283.9	6.	288.2	286.4	5.5	14.1	5.5	5.5	15	10	13230	13230	15436	15436	12348	3	14333		21780 21720	23160	23193
		TF450	179.53	179.53	101.0	101.0	227.0		228.5	228.5	53.5	18	50.2	52.0	15	10	13230	13230	15436	15436	12900	-	14884		21715 21627	23096	23100
	3 Stage	TF500	199.21	199.21	108.9	108.9	246.7	co.	248.2	248.2	61.4	. Y.	58.1	59.8	15	10	13230	13230	15436	15436	12459		14553	14	21918 21830	23299	23303
	full free lift	TF560	220.47	220.47	116.7	116.7	267.9	1-5	269.5	269.5	69.3	7-1	65.9	67.7	15	10	13120	13230	15215	15215	12128	-	14112		22163 22075	23543	23548
		TF600	238.58	238.58	124.6	124.6	286.0		287.6	287.6	77.2	4.	73.8	75.6	15	10	12789	12900	14774	14994	11797	6-1	13671		22356 22267	23737	23740

				23.4		Overall Height (in) Free Lift (in)																
	Mast Type		Maximum Fork Height (in)				Extended			Without Load Backrest		With Std Load Backrest		Tilt Angle (deg)		Load Capacity without side shift at 24 in LC(lb)		Load Capacity with side shift at 24 in LC(lb)		Truck Weight (Unloaded) (lb)		
Model					Lowered		W/o Load Backrest		W/Std Load Backrest													
	_		Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Fwd	Bwd	Hook	Shaft	Hook	Shaft	Hook	Shaft
		V270	107.9	107.9	99.4	99.4	159.4	114	159.4	160.4	5.9		5.9	5.9	15	10	17641	17641	17641	17641	24187	24156
	2 Stage limited free lift	*V300	119.7	119.7	105.3	105.3	171.2	÷	171.3	172.2	5.9	141	5.9	5.9	15	.10	17641	17641	17641	17641	24295	24264
		V330	131.5	131.5	111.2	111.2	183.0	140	183.1	184.1	5.9	A.	5.9	5.9	15	10	17641	17641	17641	17641	24404	24371
		V350	139.4	139.4	115.2	115.2	190.9	130	190.9	191.9	5.9	(4)	5.9	5.9	15	10	17641	17641	17641	17641	24476	24445
		V370	147.2	147.2	119.1	119.1	198.7		198.8	199.8	5.9	(4)	5,9	5.9	15	10	17641	17641	17641	17641	24547	24515
		V400	159.1	159.1	125.0	125.0	210.6		210.6	211.6	5.9	7	5.9	5.9	15	10	17641	17641	17641	17641	24655	24623
00D 3E		V450	178.7	178.7	136.8	136.8	230.2		230.3	231.3	5.9	8-	5.9	5.9	15	10	17641	17641	17200	17200	25129	25097
80D-7E		V500	198.4	198.4	146.7	146.7	249.9	÷	250.0	251.0	5.9	9	5.9	5.9	15	10	17641	17641	16759	16759	25310	25278
		V550	218.1	218.1	156.5	156.5	269.6		269.7	270.7	5.9	6	5.9	5.9	15	10	17310	17200	16428	16428	25488	25457
		V600	237.8	237.8	166.3	166.3	289.3	14	289.4	290.4	5.9	19.4	5.9	5.9	15	10	16759	16759	15987	15987	25669	25638
	3 Stage full free lift	TF450	179.9	179.9	108.3	108.3	232.4		231.5	232.5	55.8		56.7	55.7	15	10	17641	17641	17089	17089	25755	25693
		TF500	199.6	199.6	116.1	116.1	252.0		251.2	252.2	63.7	12.	64.6	63.6	15	10	17641	17641	16538	16538	25982	25920
		TF550	223.2	223.2	124.0	124.0	271.7	Y	270.9	271.9	71.6	2	72.4	71.5	15	10	16979	16979	16097	16097	26207	26145
		TF600	239.0	239.0	131.9	131.9	291.4	G	290.6	291.5	79.4	Qu.	80.3	79.3	15	10	16428	16428	15656	15656	26434	26372

Load Capacity



Various Attachments



Optional Items

FORK (L x W x T)(in)

- HOOK TYPE
- · 50D-7E
- ·53x6x2 ·59x6x2 ·71x6x2
- ·79x6x2 -94x6x2
- ·60/70D-7E
- ·53x6x3 ·59x6X3 ·71x6x3
- ·79x6x3 ·94x6x3
- ·80D-7E
- .53x7x3 .59x7X3 .71x7x3
- ·79x7x3 ·94x7x3

SHAFT TYPE

- · 50D-7E
- ·53x6x2 ·59x6x2 ·71x6x2
- ·79x6x2 ·94x6x2
- ·60/70D-7E
- -53x7x3 -59x7X3 -71x7x3
- -79 x 7 x 3 94 x 7 x 3
- · 80D-7E
- -53x7x3 -59x7X3 -71x7x3
- ·79x7x3 ·94x7x3
- · OVER SHOE 71 / 79 / 87 / 91
- · TIRE SOLID NON-MARKING

- · SEAT SEATBELT, ARM REST, HIP REST
- · CABIN & HEATER CABIN, AIRCON+HEATER
- · MUFFLER VERTICAL
- · MASTER SWITCH · LICENCE LAMP
- · BEACON LAMP
- · HAZARD SWITCH
- · MCV 3-SPOOL/4-SPOOL/5-SPOOL
- · INTEGRAL FORK POSITIONER CARRIAGE

13 ____

- · INTEGRAL SIDE SHIFT CARRIAGE
- · OPSS (TRAVEL / TRAVEL + MAST) · REAR VIEW CAMERA (Option)
- · LOAD INDICATOR (Option)

*Standard