



STRONG PARTNERS. TOUGH TRUCKS.

FORTENS™



IC Counterbalanced Lift Trucks
H8.0-9.0FT Fortens Advance / Fortens Advance+

8 000 - 9 000 kg

Fortens Advance & Fortens Advance + H8.0FT, H9.0FT

CHARACTERISTICS	1.1	Manufacturer	
	1.2	Model designation	
		Model - Manufacturer designation	
		Engine / transmission	
		Brake type	
	1.3	Power: battery, diesel, LPG, electric mains	
	1.4	Operation: manual, pedestrian, stand, seat, orderpicker	
	1.5	Load capacity	Q (kg)
	1.6	Load centre	c (mm)
1.8	Load distance (load face)	x (mm)	
1.9	Wheelbase	y (mm)	

HYSTER		HYSTER		HYSTER		HYSTER	
H8.0FT6 (Single Drive)		H8.0FT6 (Single Drive)		H8.0FT6		H8.0FT6	
Fortens Advance / Fortens Advance+		Fortens Advance / Fortens Advance+		Fortens Advance / Fortens Advance+		Fortens Advance / Fortens Advance+	
Cummins 3.3L DuraMatch3 / DuraMatch Plus3		GM 5.7L DuraMatch3 / DuraMatch Plus3		Cummins 3.3L DuraMatch3 / DuraMatch Plus3		GM 5.7L DuraMatch3 / DuraMatch Plus3	
Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes	
Diesel		LPG		Diesel		LPG	
Seat		Seat		Seat		Seat	
8 000		8 000		8 000		8 000	
600		600		600		600	
600		600		600		600	
2 450		2 450		2 450		2 450	

WEIGHTS	2.1	Unladen weight	kg
	2.2	Axle loading with load, front/rear	kg
	2.3	Axle loading without load, front/rear	kg

11 553		11 634		11 259		11 340	
17 548	2 006	17 566	2 069	17 416	1 844	17 434	1 907
5 585	5 968	5 063	6 031	5 453	5 806	5 471	5 869

WHEELS & TYRES	3.1	Tyres: L=pneumatic, V=solid, SE=pneumatic-shaped solid	
	3.2	Tyre size, front	
	3.3	Tyre size, rear	
	3.5	Number of wheels, front/rear (X = driven)	
	3.6	Track width, front	b ₁₀ (mm)
	3.7	Track width, rear	b ₁₁ (mm)

SE		SE		L		L	
355 / 50 -20SE		355 / 50 -20SE		8.25 X 15 -14PR		8.25 X 15 -14PR	
300 X 15SE		300 X 15SE		8.25 X 15 -14PR		8.25 X 15 -14PR	
2X	2	2X	2	4X	2	4X	2
1 682		1 682		2 003		2 003	
1 575		1 575		1 536		1 536	

DIMENSIONS	4.1	Mast tilt, α = forward/β = back	degrees
	4.2	Height of mast, lowered	h ₁ (mm)
	4.3	Free lift ¶	h ₂ (mm)
	4.4	Lift height ¶	h ₃ (mm)
	4.5	Height of mast, extended †	h ₄ (mm)
	4.7	Height to top of overhead guard ■	h ₅ (mm)
		Height to top of Cab	mm
	4.8	Seat height ○	h ₇ (mm)
	4.12	Towing coupling height	h ₁₀ (mm)
	4.19	Overall length	l ₁ (mm)
	4.20	Overall length (length to face of forks)	l ₂ (mm)
	4.21	Overall width ▷	b ₁ /b ₂ (mm)
	4.22	Fork dimensions	s/e/l (mm)
	4.23	Fork carriage DIN 15173. Class, A/B	
	4.24	Fork carriage width ●	b ₃ (mm)
		Fork Spacing -Std Carriage - Minimum Inside to inside edge	mm
		Fork Spacing -Std Carriage - Maximum outside to outside edge	mm
	4.31	Ground clearance under mast, with load	m ₁ (mm)
	4.32	Ground clearance, centre of wheelbase	m ₂ (mm)
	4.33	Aisle width with pallets 1 000 mm x 1 200 mm wide ◆	Ast (mm)
	4.34	Aisle width with pallets 800 mm x 1 200 mm long ◆	Ast (mm)
	4.35	Outer turning radius	W _a (mm)
	4.36	Inner turning radius	b ₁₃ (mm)
	4.37	90° intersecting aisle (With pallet W = 1 200 mm, L = 1 000 mm)	mm
4.40	Step Height (from ground to running board)	mm	
	Step Height (between intermediate steps between running board and floor)	mm	

5		9		5		9		5		9	
3 962		3 962		3 962		3 962		3 962		3 962	
40		40		40		40		40		40	
5 500		5 500		5 500		5 500		5 500		5 500	
6 725		6 725		6 725		6 725		6 725		6 725	
2 531		2 531		2 531		2 531		2 531		2 531	
2 549		2 549		2 549		2 549		2 549		2 549	
1 540		1 540		1 540		1 540		1 540		1 540	
476		476		476		476		476		476	
5 083		5 083		5 083		5 083		5 083		5 083	
3 883		3 883		3 883		3 883		3 883		3 883	
1 990		1 990		2 239		2 239		2 239		2 239	
65	200	1 200	65	200	1 200	65	200	1 200	65	200	1 200
IV A		IV A		IV A		IV A		IV A		IV A	
2 030		2 030		2 030		2 030		2 030		2 030	
65		65		65		65		65		65	
1 990		1 990		1 990		1 990		1 990		1 990	
173		173		173		173		173		173	
253		253		253		253		253		253	
5 490		5 490		5 490		5 490		5 490		5 490	
5 672		5 672		5 672		5 672		5 672		5 672	
3 673		3 673		3 673		3 673		3 673		3 673	
362		362		362		362		362		362	
3 045		3 045		3 045		3 045		3 045		3 045	
321		321		321		321		321		321	
256		256		256		256		256		256	

PERFORMANCE	5.1	Travel speed with/without load □	km/h
	5.2	Lifting speed with/without load (2LFL)	m/sec
	5.3	Lowering speed with/without load (2LFL)	m/sec
	5.5	Drawbar pull with/without load @ 1,6 km/h	kN
	5.6	Maximum drawbar pull with/without load	kN
	5.7	Gradeability with/without load @ 1,6 km/h †	%
	5.8	Maximum gradeability with/without load	%
	5.10	Service brake	

15,0 / 23,1		15,0 / 23,7		15,0 / 20,5		15,0 / 21,5		23,1		23,7		20,5		21,5	
0,43		0,45		0,43		0,45		0,43		0,45		0,43		0,45	
0,41		0,37		0,41		0,37		0,41		0,37		0,41		0,37	
53		53		53		53		53		53		53		53	
37		37		41		41		37		37		41		41	
29		30		29		30		29		30		29		30	
20		30		22		30		20		30		22		30	
Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic		Hydraulic	

ENGINE	7.1	Engine manufacturer/type	
	7.2	Engine output, in accordance with ISO 1585	kW
	7.3	Governed speed	rpm
	7.4	Number of cylinders/displacements	cm ³
	7.5	Fuel Consumption per VDI test cycle	l/hr (kg/hr)

Cummins QSB3.3		GM 5.7L		Cummins QSB3.3		GM 5.7L	
82 @ 2 400		97 @ 2 400		82 @ 2 400		97 @ 2 400	
2 430		2 400		2 430		2 400	
4	3 261	8	5 735	4	3 261	8	5 735
9,6		18,7 (9,5)		9,9		19,8 (10,1)	

OTHER	8.1	Drive control	
	8.2	Working pressure for attachments (nominal relief pressure)	bar
	8.3	Oil flow for attachments (nominal) ⚡	l/min
	8.4	Average noise level at operator's ear no cab/cab (Lpaz) ◇	dB (A)
		Guaranteed sound power 2001/14/EC (Lwaz)	dB
	8.5	Towing coupling type	
	8.7	Hydraulic Tank - capacity (drain & refill)	litres
	8.8	Fuel Tank - Capacity (Diesel)	litres

Electronically Controlled Powershift		Electronically Controlled Powershift		Electronically Controlled Powershift		Electronically Controlled Powershift	
155		155		155		155	
93		93		93		93	
79	77	83	81	79	77	83	81
104		107		104		107	
Pin		Pin		Pin		Pin	
70,9		70,9		70,9		70,9	
74,8		-		74,8		-	

Specification data is based on VDI 2198

Equipment and weight:

Weights (line 2.1) are based on the following specifications:

Complete truck with 5 565mm 2-stage limited free lift mast, 2 030mm carriage, 1 200mm forks, e-hydraulics, overhead guard and standard pneumatic drive and steer tyres.

HYSTER		HYSTER		HYSTER		HYSTER		1.1
H8.0FT9		H8.0FT9		H9.0FT6		H9.0FT6		1.2
Fortens Advance / Fortens Advance+		Fortens Advance / Fortens Advance+		Fortens Advance / Fortens Advance+		Fortens Advance / Fortens Advance+		
Cummins 3.3L DuraMatch3 / DuraMatch Plus3		GM 5.7L DuraMatch3 / DuraMatch Plus3		Cummins 3.3L DuraMatch3 / DuraMatch Plus3		GM 5.7L DuraMatch3 / DuraMatch Plus3		
Wet Brakes		Wet Brakes		Wet Brakes		Wet Brakes		
Diesel		LPG		Diesel		LPG		1.3
Seat		Seat		Seat		Seat		1.4
8 000		8 000		9 000		9 000		1.5
900		900		600		600		1.6
600		600		600		600		1.8
2 450		2 450		2 450		2 450		1.9

CHARACTERISTICS

12 271		12 352		11 728		11 809		2.1
18 263	1 979	18 281	2 042	18 762	1 967	18 780	2 030	2.2
5 367	6 904	5 385	6 967	5 304	6 424	5 322	6 487	2.3

WEIGHTS

L		L		L		L		3.1
8.25 X 15 -14PR		3.2						
8.25 X 15 -14PR		8.25 X 15 -14PR		8.25 X 15 -14PR		8.25 X 15 -14PR		3.3
4X	2	4X	2	4X	2	4X	2	3.5
2 003		2 003		2 003		2 003		3.6
1 536		1 536		1 536		1 536		3.7

WHEELS & TIRES

5			9			5			9			4.1
3 962			3 962			3 962			3 962			4.2
40			40			40			40			4.3
5 500			5 500			5 500			5 500			4.4
6 725			6 725			6 725			6 725			4.5
2 531			2 531			2 531			2 531			4.7
2 549			2 549			2 549			2 549			
1 540			1 540			1 540			1 540			4.8
476			476			476			476			4.12
5 224			5 224			5 145			5 145			4.19
4 024			4 024			3 945			3 945			4.20
2 239			2 239			2 239			2 239			4.21
65	200	1 200	65	200	1 200	65	200	1 200	65	200	1 200	4.22
IV A			IV A			IV A			IV A			4.23
2 030			2 030			2 030			2 030			4.24
65			65			65			65			
1 990			1 990			1 990			1 990			
173			173			173			173			4.31
253			253			253			253			4.32
5 611			5 611			5 540			5 540			4.33
5 673			5 673			5 722			5 722			4.34
3 794			3 794			3 723			3 723			4.35
362			362			362			362			4.36
3 115			3 115			3 074			3 074			4.37
321			321			321			321			4.40
256			256			256			256			

DIMENSIONS

23,1	23,7	20,5	21,5	23,1	23,7	20,5	21,5	5.1
0,42	0,45	0,42	0,45	0,42	0,45	0,42	0,45	5.2
0,41	0,37	0,41	0,37	0,41	0,37	0,41	0,37	5.3
53	53	53	53	53	53	53	53	5.5
37	37	41	41	37	37	41	41	5.6
28	30	28	30	27	30	27	30	5.7
19	30	21	30	18	30	21	30	5.8
Hydraulic		Hydraulic		Hydraulic		Hydraulic		5.10

PERFORMANCE

Cummins QSB3.3		GM 5.7L		Cummins QSB3.3		GM 5.7L		7.1
82 @ 2 400		97 @ 2 400		82 @ 2 400		97 @ 2 400		7.2
2 430		2 400		2 430		2 400		7.3
4	3 261	8	5 735	4	3 261	8	5 735	7.4
10,2		20,8 (10,6)		10,7		20,8 (10,6)		7.5

ENGINE

Electronically Controlled Powershift		8.1						
155		155		155		155		8.2
93		93		93		93		8.3
79	77	83	81	79	77	83	81	8.4
104		107		104		107		
Pin		Pin		Pin		Pin		8.5
70,9		70,9		70,9		70,9		8.7
74,8		-		74,8		-		8.8

OTHER

Mast and Capacity Information

Masts H8.0-9.0FT

	Maximum fork height Top of Forks mm (h ₃ +s)	Back tilt	Overall lowered height	Overall Extended height (mm)	Freelift (top of forks) (mm)
2-Stage Limited Free Lift	3 065	9°	2 712	4 350 ❖	105
	3 565	9°	2 962	4 850 ❖	105
	4 565	9°	3 462	5 850 ❖	105
	5 565	9°	3 962	6 850 ❖	105
	6 065	9°	4 212	7 350 ❖	105
3-Stage Full Free Lift	4 615	6°	2 702	6 077 ❖	1 565 ◀
	5 515	6°	3 002	6 977 ❖	1 865 ◀
	5 965	6°	3 152	7 427 ❖	2 015 ◀

Values shown are for standard equipment. When using non-standard equipment, these values may change. Please contact your Hyster dealer for information.

H8.0-9.0FT - Capacity Chart in kg

Dual Pneumatic or Pneumatic Shaped Solid Tyres ▶							
	Maximum fork height mm (h ₃ +s)	With carriage only					
		H8.0FT6 ☹		H8.0FT9		H9.0FT	
		Capacity at Max height	Capacity to lift height	Capacity at Max height	Capacity to lift height	Capacity at Max height	Capacity to lift height
2-Stage limited free lift	3 065	8 000		8 000		9 000	
	3 565	8 000		8 000		9 000	
	4 565	8 000		7 880	8 000kg to 4 415mm	9 000	
	5 565	8 000		7 000	8 000kg to 4 415mm	8 720	9 000kg to 5315mm
	6 065	7 710	8 000kg to 5 815mm	6 490	8 000kg to 4 415mm	8 120	9 000kg to 5315mm
3-Stage limited free lift	4 615	8 000		7 880	8 000kg to 4 465mm	9 000	
	5 515	8 000		7 080	8 000kg to 4 465mm	8 830	9 000kg to 5365mm
	5 965	7 940	8 000kg to 5 915mm	66 40	8 000kg to 4 465mm	8 300	9 000kg to 5365mm

Dual Pneumatic or Pneumatic Shaped Solid Tyres ▶							
	Maximum fork height mm (h ₃ +s)	With carriage + sideshift					
		H8.0FT6 ☹		H8.0FT9		H9.0FT	
		Capacity at Max height	Capacity to lift height	Capacity at Max height	Capacity to lift height	Capacity at Max height	Capacity to lift height
2-Stage limited free lift	3 065	7 580		7 540		8 500	
	3 565	7 570		7 530		8 490	
	4 565	7 540		7 400	7 510kg to 4 415mm	8 470	
	5 565	7 520		6 560	7 490kg to 4 415mm	8 190	8 450kg to 5 315mm
	6 065	7 240	7 510kg to 5 815mm	6 070	7 480kg to 4 415mm	7 620	8 440kg to 5 315mm
3-Stage limited free lift	4 615	7 560		7 410	7 520kg to 4 465mm	8 500	
	5 515	7 540		6 650	7 500kg to 4 465mm	8 320	8 480kg to 5 365mm
	5 965	7 480	7 530kg to 5 915mm	6 220	7 490kg to 4 465mm	7 810	8 470kg to 5 365mm

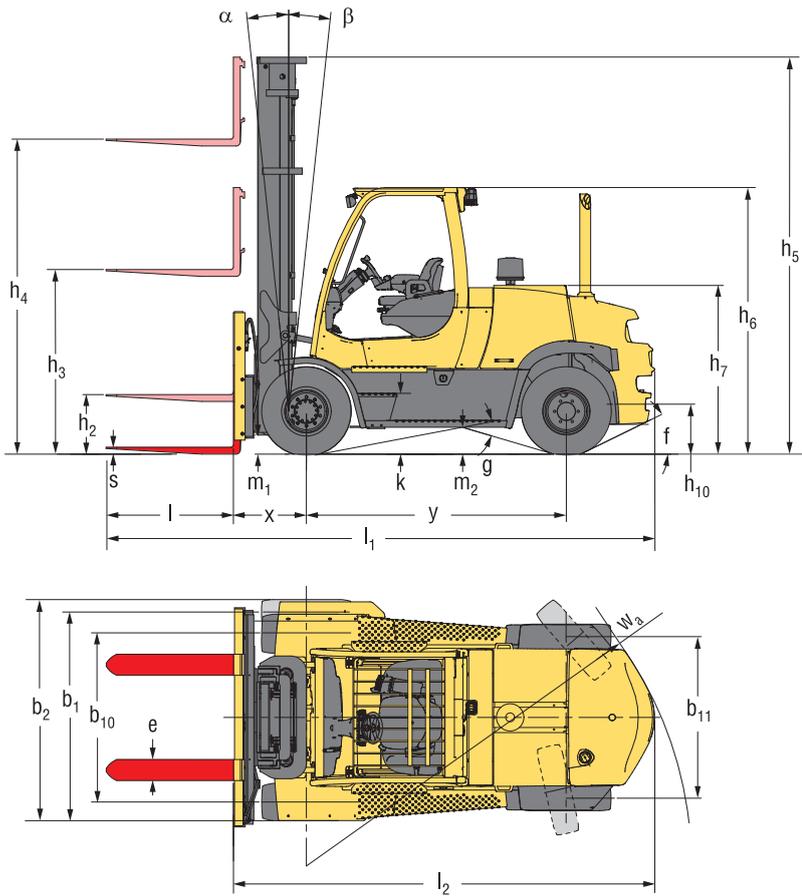
Dual Pneumatic or Pneumatic Shaped Solid Tyres ▶							
	Maximum fork height mm (h ₃ +s)	With carriage + sideshifting fork positioner					
		H8.0FT6 ☹		H8.0FT9		H9.0FT	
		Capacity at Max height	Capacity to lift height	Capacity at Max height	Capacity to lift height	Capacity at Max height	Capacity to lift height
2-Stage limited free lift	3 065	7 530		7 500		8 460	
	3 565	7 520		7 490		8 440	
	4 565	7 500		7 360	7 460kg to 4 415mm	8 420	
	5 565	7 470		6 520	7 450kg to 4 415mm	8 140	8 400kg to 5 315mm
	6 065	7 200	7 460kg to 5 815mm	6 040	7 440kg to 4 415mm	7 570	8 390kg to 5 315mm
3-Stage limited free lift	4 615	7 530		7 380	7 500kg to 4 465mm	8 470	
	5 515	7 510		6 630	7 480kg to 4 465mm	8 290	8 450kg to 5 365mm
	5 965	7 450	7 500kg to 5 915mm	6 200	7 470kg to 4 465mm	7 780	8 430kg to 5 365mm

NOTE:

To calculate truck capacities with alternative truck specifications to the ones shown in the above tables, please consult your Hyster dealer.

The rated capacities shown are for masts in a vertical position on trucks equipped with standard or sideshift carriage, and nominal length forks. Masts above the maximum fork heights shown in the mast table are classified as high lift, and depending on the tyre/tread configuration may require reduced capacity, restricted back tilt or wide tread.

Truck Dimensions



= Centre of gravity of unladen truck

$$Ast = W_a + x + l_6 + a \text{ (see lines 4.33 \& 4.34)}$$

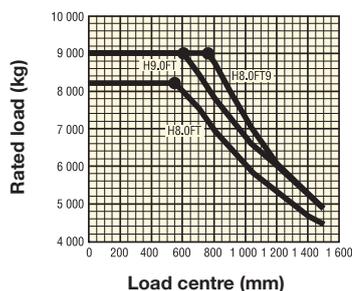
a = Minimum operating clearance

(V.D.I. standard = 200 mm BITA recommendation = 300 mm)

l_6 = Load length

Dimensions (mm)	H8.0FT6	H8.0FT9	H9.0FT
f	43%	39%	42%
g	51%	51%	51%
k	321	321	321
n	1 058	1 058	1 058

Rated Capacities



Load centre

Distance from front of forks to centre of gravity of load.

Rated load

Based on vertical masts up to 5 565 mm.

NOTE:

Specifications are affected by the condition of the vehicle and how it is equipped, as well as the nature and condition of the operating area. If these specifications are critical, the proposed application should be discussed with your dealer.

- ¶ Bottom of forks
- + Without load backrest
- ▷ Dual Drive (b_2) except where specified
- h_6 subject to +/- 5 mm tolerance
- Full-suspension seat in depressed position
- Add 50 mm with load backrest
- ◆ Stacking aisle width (lines 4.33 & 4.34) is based on the V.D.I. standard calculation as shown on illustration. The British Industrial Truck Association recommends the addition of 100 mm to the total clearance (dimension a) for extra operating margin at the rear of truck.
- † Gradeability figures (lines 5.7 & 5.8) are provided for comparison of tractive performance, but are not intended to endorse the operation of the vehicle on the stated inclines. Follow instructions in the operating manual regarding operation on inclines.
- ⊠ Variable
- ◇ Measured according to the test cycles and based on the weighting values contained in EN12053
- Top speed with single tyre option may be limited according to tyre manufacturers' ETRTO recommendation. All single tyre orders need to be approved in advance by the Counterbalance SPED Department

Mast tables:

- ❖ Deduct 125 mm without load backrest
- ☾ Deduct 125 mm with load backrest
- ☾ No capacity deration when single drive tyres fitted
- ▷ Single Drive PSS Tyres available on H8.0FT6 only. Dual Drive option features pneumatic tyres.

Notice

Care must be exercised when handling elevated loads. When the carriage and/or load is elevated, truck stability is reduced. It is important that mast tilt in either direction be kept to a minimum when loads are elevated.

Operators must be trained and adhere to the instructions contained in the Operating Manual.

Hyster products are subject to change without notice. Lift trucks illustrated may feature optional equipment.

Safety:

This truck conforms to the current EU requirements.

Product Packages

The Hyster Fortens™ range has been designed to match the vast range of application requirements and business objectives that customers demand.

The H8.0-9.0FT Series is available in several truck packages, with multiple powertrain combinations to choose from, to best match operational demands. Each configuration offers improved efficiency, advanced dependability, lower cost of operations and simple serviceability.

Model / Bundle	H8.0FT6 Single Drive			H8.0FT6 Dual Drive		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens Advance	Cummins 3.3L Turbo	DuraMatch™ Electronic 3 Speed	Wet	Cummins 3.3L Turbo	DuraMatch™ Electronic 3 Speed	Wet
Fortens Advance +	Cummins 3.3L Turbo	DuraMatch™ Plus 3 speed	Wet	Cummins 3.3L Turbo	DuraMatch™ Plus 3 speed	Wet

Model / Bundle	H8.0FT9			H9.0FT6		
DIESEL	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens Advance	Cummins 3.3L Turbo	DuraMatch™ Electronic 3 Speed	Wet	Cummins 3.3L Turbo	DuraMatch™ Electronic 3 Speed	Wet
Fortens Advance +	Cummins 3.3L Turbo	DuraMatch™ Electronic 3 Speed	Wet	Cummins 3.3L Turbo	DuraMatch™ Plus 3 Speed	Wet

Model / Bundle	H8.0FT6 Single Drive			H8.0FT6 Dual Drive		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens Advance	GM 5.7L V8	DuraMatch™ Electronic 3 Speed	Wet	GM 5.7L V8	DuraMatch™ Electronic 3 Speed	Wet
Fortens Advance +	GM 5.7L V8	DuraMatch™ Plus 3 speed	Wet	GM 5.7L V8	DuraMatch™ Plus 3 speed	Wet

Model / Bundle	H8.0FT9			H9.0FT6		
LPG	Engine	Transmission	Brakes	Engine	Transmission	Brakes
Fortens Advance	GM 5.7L V8	DuraMatch™ Electronic 3 Speed	Wet	GM 5.7L V8	DuraMatch™ Electronic 3 Speed	Wet
Fortens Advance +	GM 5.7L V8	DuraMatch™ Plus 3 speed	Wet	GM 5.7L V8	DuraMatch™ Plus 3 speed	Wet

Please refer to the Price List for full option configurations.

Product Features

The new Hyster Fortens H8.0-9.0FT Series represents a powerful, compact materials handling solution for a wide range of demanding applications.

These trucks are ideally suited to handling operations with high-attachment usage such as paper, beverage, timber, metals and construction materials.

It's compact design ensures that space and on-site efficiency can be maximised to maintain low operating costs.

The powerful Tier-3 certified 82 kW Cummins diesel engine or 97 kW GM V8 LPG engine, combined with Hyster's electronically controlled 3-speed (3F/2R) **DuraMatch™ transmissions**, deliver superior productivity.

The Fortens Advance models feature the **DuraMatch™3 transmission**, providing:

- **Auto Deceleration System (ADS)** automatically slows the truck when the accelerator pedal is released, and finally brings the truck to a stop, which helps to significantly extend brake life. In addition, this feature assists the driver to accurately position the truck in front of a load. There are 10 ADS settings, programmable via the dash display by a service technician, which deliver different braking characteristics, from very gradual to aggressive, to suit the needs of the application.
 - **Controlled Power Reversal;** the Pacesetter VSM™ controls the transmission to deliver smooth direction changes. The VSM reduces the throttle to slow the engine, initiates auto-deceleration to stop the truck, changes the transmission direction automatically and increases the throttle to accelerate the truck.
- The system virtually eliminates tyre spin and shock loads on the transmission and significantly increases tyre life. As with ADS, the system is programmable via the dash display by a service technician, with settings from 1 to 10, to suit the needs of the application.
- **Controlled Roll-Back on Ramp;** the transmission controls the rate of descent of the truck on a ramp, when the brake and throttle pedal are released, to provide maximum control on a grade and increase operator productivity.
 - **First Gear** offers **Increased Drawbar Pull** for use on gradients.
 - **Second & Third Gears** provide maximum engine efficiency in applications where longer travel distances are common.

The Fortens Advance+ models feature the electronically controlled three-speed extended function **DuraMatch™ Plus3 transmission**. This transmission, in addition to the above, features:

- **Throttle Response Management** allows the operator to manage his travel speed, according to the position of his foot on the accelerator pedal. For example, a certain speed can be maintained both on the flat and on a gradient, without the need to depress the pedal further. The system also compensates for hydraulic operation and drawbar pull.
- **Dynamic Auto Deceleration System;** as with the **DuraMatch™3**, the operator can slow the truck down without using the brake and the rate of braking is determined by the dashboard settings 1-10. In addition, thanks to the Throttle Response Management feature, the rate of deceleration can be further fine-tuned according to the rate at which the driver releases his foot from the accelerator pedal.
- **Auto-Speed Hydraulics with Automatic Inching Control;** when lifting a load, the engine speed is automatically increased to provide full hydraulic power. The Pacesetter VSM™ maintains

the current travel speed (or prevents travel) until operator steps on accelerator. No operator inching is required and productivity is increased by simplifying operator actions.

The transmissions are compatible with the combi-cooler radiator and a superior counterweight tunnel design coupled with a "pusher" type fan, to provide the industry's best cooling.

The standard Oil-immersed brakes offer reduced maintenance & repair time and costs, which results in extended truck dependability and uptime. These trucks are ideally suited to applications in wet, dirty or corrosive environments, and ensure consistent braking performance over the lifetime of the truck. This is thanks to the sealed unit that houses and protects the brakes, so preventing contaminants and damage.

The powertrain is controlled, protected and managed by the **Pacesetter VSM™** industrial onboard computer, featuring a CANbus communications network.

This system permits adjustment and optimisation of the truck's performance, in addition to monitoring key functions. It enables quick, easy diagnostics, minimizing repair downtime and unnecessary parts swapping.

Hassle-Free Hydraulic systems, featuring Leak-free O-ring face seal fittings reduce leaks for enhanced reliability.

Non-mechanical, Hall-Effect sensors and switches have been fitted and are designed to outlast the life of the truck.

The operator compartment features class-leading **Ergonomics** for maximum driver comfort and productivity.

- Operator space is optimised, thanks to the modern overhead guard design and significantly more floor space.
- The Easy-to-use 3-point entry design of operator compartment features conveniently positioned hand-grips and three non-slip steps, with an initial step height of just **32.1cm**. The isolated operator compartment minimises the effect of powertrain vibration.
- The adjustable armrest that accompanies the E-hydraulic TouchPoint™ mini-levers moves with the seat and telescopes forward.
- The Rear grab handle with horn button facilitates reverse driving.
- An infinitely adjustable steering column, 30 cm diameter steering wheel with spinner knob and full-suspension seat enhance driver comfort.

The Hyster Fortens is the fastest and easiest lift truck to service.

- Simple service access to both sides of the engine compartment is via a gull-wing hood and a simplified layout of wiring and hydraulics offers greater access to components, which in turn decreases service time for unscheduled repairs and regular maintenance.
- Fast, colour-coded daily checks and diagnostic systems can be managed via the dash display.
- An Engine coolant change and Hydraulic oil change interval of 4 000 hours also contributes to reduced downtime.



Strong Partners, Tough Trucks, for Demanding Operations, Everywhere.

Hyster supplies a complete range of warehouse equipment, IC and electric counterbalanced trucks, container handlers and reach stackers. Hyster is committed to being much more than a lift truck supplier.

Our aim is to offer a complete partnership capable of responding to the full spectrum of material handling issues: Whether you need professional consultancy on your fleet management, fully qualified service support, or reliable parts supply, you can depend on Hyster.

Our network of highly trained dealers provides expert, responsive local support. They can offer cost-effective finance packages and introduce effectively managed maintenance programmes to ensure that you get the best possible value. Our business is dealing with your material handling needs so you can focus on the success of your business today and in the future.



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