Environmentally - Friendly Forklift Trucks



Quick parts supply



Easy maintenance



Global network

CESS SYSTEM

CESS(Construction Equipment Resource Support) is HHI's new information system on all Hyundai construction equipment for our overseas dealers and branch offices. http://cess.hhi.co.kr

15LC/18LC/20LCA -7

- SIDE SHIFT

- INTEGRAL SIDE SHIFT
- FORK 750mm, 850mm, 1050mm, 1200mm, 1350mm, 1500mm
- OVER SHOE
- 1300mm, 1500mm, 1700mm
- TILTING
- 6/6°, 6/5°, 3/3°
- TIRE
- Cushion, No-marking
- SEAT
- Pocket, Arm Rest, Hip Rest - LPG CLAMP
- Swing Out, Swing Down
- M.C.V
- 4-Spool
- MASTER SWITCH
- BEACON LAMP
- HAZARD SWITCH
- WORK LAMP - LICENCE LAMP
- OPSS
- Taravel + Mast
- ATTACH PIPING
- 3 Spool-piping, 4 Spool-piping

% Hyundai is continuously upgrading and improving its products. It therefore reserves the right to supply products, which may differ slightly from description and illustration in this catalog. For further information on options, consult with Hyundai's dealer. Specifications are subject to change without notice.

HEAVY INDUSTRIES CO., LTD.

1 JEONHA-DONG, DONG-GU, ULSAN, KOREA Tel : (82) (52) 202-7970, 7729 Fax : (82) (52) 202-7979, 7720 Head Office (Sales Office)
 Hyundai Construction Equipment U.S.A., Inc.

 955 ESTES AVENUE,ELK GROVE VILLAGE IL. 60007

 Tel : (1) 847-437-3333
 Fax : (1) 847-437-3574
 U.S. Operation

 European Operation
 Hyundai Heavy Industries Europe N.V.

 VOSSENDAAL 11, 2440 GEEL, BELGIUM

 Tel : (32) 14-562200
 Fax : (32) 14-593405 ~ 06

PLEASE CONTACT



15LC/18LC/20LCA-7

FORKLIFT TRUCKS Environmentally - Friendly





We build a better future



Superior Power & High Performance



OPSS (Operator Presence Sensing System)

Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is not in the normal position.(Lift / Tilt Lock, Option)

HMC BETA ENGINE 37 kW / 2,450 rpm



High Efficient Engine

Market approved quality of HMC BETA engine ensures incomparable performance, durability and additional value to the machine. 37kW of the engine is more than enough to suit any work, not just with normal 37kW but with special attachments requiring high power as well. (EPA/CARB TIER-3)

15LC/18LC/20LCA -7

Hyundai introduces a new line of 7-series LPG forklift trucks. Excellent power and performance makes your business more profitable.



Smooth running, efficient and ergonomically designed, 15LC/18LC/20LCA-7 series are made to meet your needs.

Operator friendly gauges and water-resistant monitor panel



- Parking brake lami Directional indicato Fuel warning lan Engine oil warning nission oil Battery charging Air cleaner filter wa Working light indica
- braking performance. compensate for lining wear.

Increased mast tilting angle Utilizing the mast tilting angle of 6 degrees forward and 8 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.

Faster Travel Speed & Gradeability

any tough terrain or slope.

Gradeability (MAX)













Pre-heater indicate A Water tem Fuel gauge Engine check land (Seat belt warning OPSS warning

Clean and reliable brakes

The adoption of DUO-SERVO automotive type drum brake improves A self - adjusting function maintains proper brake adjustment to

The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on

Travel speed (MAX)

- 15LC-7 : 19.7 km/h (12.2 mph) 18LC-7 : 19.7 km/h (12.2 mph)
- 20LCA-7 : 19.7 km/h (12.2 mph)

The new style 15LC/18LC/20LCA-7



Fast and stable performance

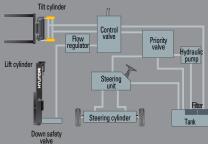
Being able to guickly raise and lower the mast, as well as tilt it forward and backward, provides the best operational conditions during unloading.

When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve.



State-of-the-art hydraulic system

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



Comportable Operation

..... HYUNDAI

A design based on human engineering relieves fatigue and enhances operating performance.





Quick Response of Operating Control Levers Only minimal operator's effort is required for precise, safe and productive control.

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





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

Cup holder & console box Additional storage spaces are located inside the operating space for operator's convenience.

Perfect fit

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

A CAUTION



0





Parking Brake Ratchet type parking brake requires less efforts from the operator to set.



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.



Anti restart system The new system protects the starter from restarting during engine operation.



Ergonomically positioned pedals

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

New high visibility for safe operation

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



Easily adjustable suspension seat

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

High Durability & Easy Maintenance

Ergonomics driving space design!

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



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.



Fully hydrostatic power steering

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



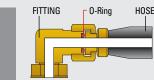
Large footboard Wide"open"step offers convenience and safety when entering and exiting truck.



Rear safety lamp Rear combination lamps with directional indicators, rear lights and brake lights are positioned for a high level of safety.

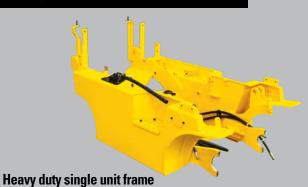
Highly durable electric shift - power transmission



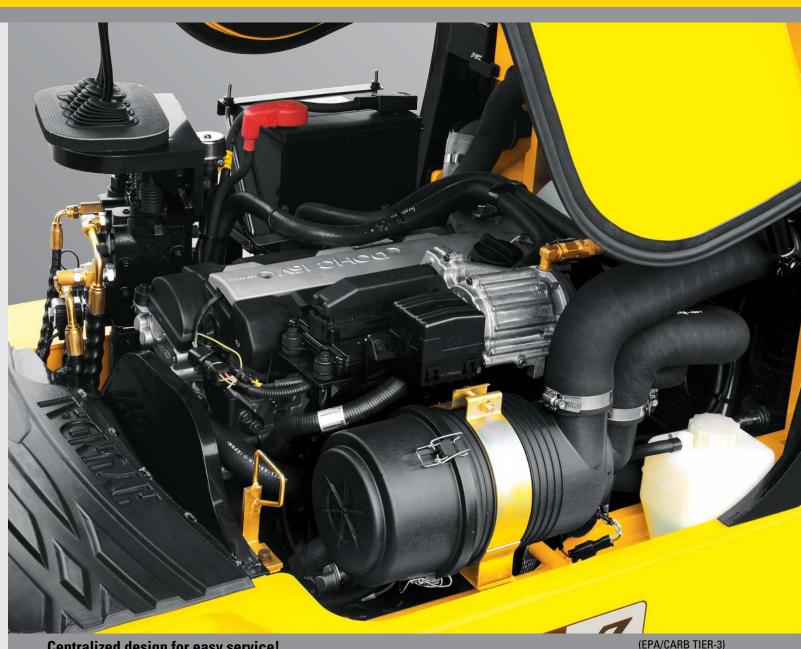


ORFS (O-Ring Face Seal) ORFS type hose prevents the leaking of hydraulic oil.

Heavy duty single unit frame



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



Centralized design for easy service! An ideal arrangement of component parts ensures easy access and convenience for maintenance.





Aluminum radiator with superb protection against heat

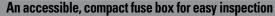


(6 inch Cyclone Type)

boosts work efficiency.









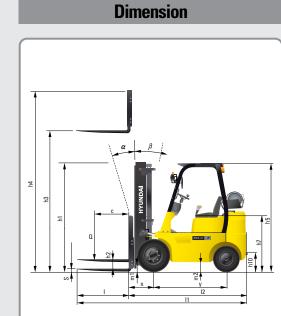
Easy Change Air Cleaner Bright, protected headlights

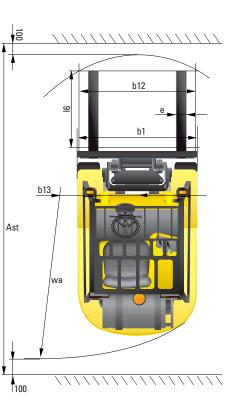


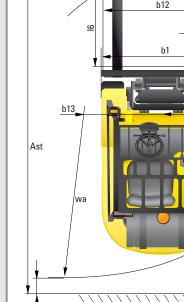
Rotational battery installation

Specification & Dimension

	Mast Specification																			
Mast	Τνηρ	Overall Height	Maximum Fork		Angle eg)	Load Capacity w / o Side Shift 500mm (24 in)LC Single Tire			Load Capacity w / Side Shift 500mm (24 in)LC Single Tire		Truck Weight Unload Single Tire		Free Lift With bkr With / o bkr							
Widst	rype	Lowered mm (in)	Height mm (in)			15LC-7	18LC-7	20LCA-7	15LC-7	18LC-7	20LCA-7	15LC-7	18LC-7	20LCA-7	15LC-7	18LC-7	20LCA-7	15LC-7	18LC-7	20LCA-7
				Fwd	Bwd	kg(lb)	kg(lb)	kg(lb)	kg(lb)	kg(lb)	kg(lb)	kg(lb)	kg(lb)	kg(lb)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)	mm(in)
	V250	1,752 (67.9)	2,525 (99.4)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,832 (6,244)	3,032 (6,685)	3,163 (6,973)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	V270	1,825 (71.9)	2,725 (107.3)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,846 (6,274)	3,046 (6,715)	3,177 (7,003)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	V300	1,975 (77.8)	3,025 (119.1)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,866 (6,319)	3,066 (6,759)	3,197 (7,047)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	*V330	2,125 (83.7)	3,325 (130.9)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,886 (6,363)	3,086 (6,804)	3,217 (7,092)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
2-Stage Limited	V350	2,225 (87.6)	3,525 (138.8)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,900 (6,393)	3,100 (6,834)	3,230 (7,122)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
Free Lift	V370	2,325 (91.5)	3,725 (146.7)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,913 (6,422)	3,113 (6,863)	3,244 (7,151)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	V400	2,475 (97.4)	4,025 (158.5)	6	8	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (3,950)	2,938 (6,476)	3,138 (6,917)	3,268 (7,205)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	V450	2,825 (111.2)	4,525 (178.1)	6	6	1,500 (3,000)	1,750 (3,500)	1,975 (4,000)	1,400 (3,000)	1,650 (3,350)	1,870 (3,800)	3,004 (6,623)	3,204 (7,064)	3,335 (7,352)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	V500	3,075 (121.1)	5,025 (197.8)	6	6	1,500 (3,000)	1,300 (2,850)	1,600 (3,300)	1,400 (2,525)	1,220 (2,700)	1,415 (3,125)	3,038 (6,697)	3,238 (7,138)	3,368 (7,426)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	V550	3,325 (130.9)	5,525 (217.5)	6	5	1,200 (2,425)	1,000 (2,200)	1,200 (1,875)	1,030 (2,271)	940 (2,075)	800 (1,750)	3,058 (6,743)	3,258 (7,184)	3,389 (7,471)	115 (4.5)	115 (4.5)	120 (4.7)	115 (4.5)	115 (4.5)	120 (4.7)
	TF370	1,805 (71.1)	3,735 (147.0)	6	6	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (4,000)	2,991 (6,593)	3,191 (7,034)	3,319 (7,317)	768 (30.2)	768 (30.2)	776 (30.6)	1269 (50.0)	1,269 (50.0)	1,277 (50.3)
	TF400	1,905 (75.0)	4,035 (158.9)	6	6	1,500 (3,000)	1,750 (3,500)	2,000 (4,000)	1,400 (3,000)	1,650 (3,500)	1,890 (3,900)	3,010 (6,636)	3,210 (7,077)	3,341 (7,365)	868 (34.2)	868 (34.2)	876 (34.5)	1,369 (53.9)	1,369 (53.9)	1,377 (54.2)
	TF430	2,005 (78.9)	4,335 (170.7)	6	6	1,500 (3,000)	1,750 (3,500)	1,975 (4,000)	1,400 (3,000)	1,650 (3,500)	1,870 (3,800)	3,029 (6,678)	3,229 (7,119)	3,360 (7,408)	968 (38.1)	968 (38.1)	976 (38.4)	1,469 (57.8)	1,469 (57.8)	1,477 (58.1)
	TF450	2,105 (82.9)	4,535 (178.5)	6	6	1,500 (3,000)	1,750 (3,500)	1,950 (3,990)	1,400 (3,000)	1,650 (3,475)	1,840 (3,750)	3,048 (6,720)	3,248 (7,161)	3,379 (7,450)	1,068 (42.0)	1,068 (42.0)	1,076 (42.4)	1,569 (61.8)	1,569 (61.8)	1,577 (62.1)
3-Stage Full	TF470	2,155 (84.8)	4,735 (186.4)	6	6	1,500 (3,150)	1,750 (3,500)	1,925 (3,925)	1,400 (2,975)	1,650 (3,425)	1,815 (3,700)	3,060 (6,746)	3,260 (7,187)	3,391 (7,475)	1,118 (44.0)	1,118 (44.0)	1,126 (44.3)	1,619 (63.7)	1,619 (63.7)	1,627 (64.1)
Free Lift	TF500	2,255 (88.8)	5,035 (198.2)	6	6	1,500 (3,075)	1,400 (2,850)	1,875 (3,850)	1,400 (2,875)	1,320 (2,700)	1,775 (3,625)	3,080 (6,789)	3,280 (7,230)	3,411 (7,519)	1,218 (48.0)	1,218 (48.0)	1,226 (48.3)	1,719 (67.7)	1,719 (67.7)	1,727 (68.0)
	TF550	2,455 (96.7)	5,535 (217.9)	6	5	1,350 (2,775)	950 (2,075)	1,250 (2,600)	1,265 (2,600)	900 (1,650)	1,180 (2,450)	3,117 (6,873)	3,317 (7,314)	3,448 (7,602)	1,418 (55.8)	1,418 (55.8)	1,426 (56.1)	1,919 (75.6)	1,919 (75.6)	1,927 (75.9)
	TF600	2,655 (104.5)	6,035 (237.6)	6	5	750 (1,650)	525 (1,150)	650 (1,425)	700 (1,550)	475 (1,050)	600 (1,325)	3,189 (7,031)	3,389 (7,472)	3,520 (7,761)	1,618 (63.7)	1,618 (63.7)	1,626 (64.0)	2,119 (83.4)	2,119 (83.4)	2,127 (83.7)
	TF650	2,855 (112.4)	6,535 (257.3)	3	3	700 (1,425)	500 (1,100)	600 (1,100)	600 (1,325)	450 (990)	450 (1,000)	3,234 (7,129)	3,434 (7,570)	3,565 (7,859)	1,818 (71.6)	1,818 (71.6)	1,826 (71.9)	2,319 (91.3)	2,319 (91.3)	2,327 (91.6)
	TF700	3,055 (120.3)	7,035 (277.0)	3	3	500 (1,100)	350 (770)	400 (660)	450 (990)	300 (675)	255 (550)	3,270 (7,209)	3,470 (7,650)	3,601 (7,939)	2,018 (79.4)	2,018 (79.4)	2,026 (79.8)	2,519 (99.2)	2,519 (99.2)	2,527 (99.5)
																				* Standard







Load Capacity

20LCA-7

2.5~3.5 m MAST

500 700 900 1,100 1,300 1,500

3.7~5 m MAST

- 3.7~4.5 m MAST

Load Center(mm)

900 1,100 1,300 1,500

Load Center(mm)

Weight k

2.000

1,600

1,200

800

400

Weight kg

2,000

1.600

1,200

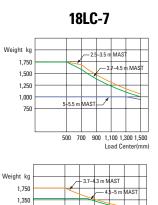
800

400

5.5 m MAST

6~7 m MAST

500 700



55 m MAST

mMAST

500 700 900 1,100 1,300 1,500

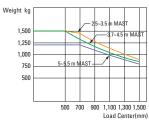
Load Center(mm)

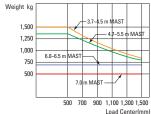
950

550

150







entification 1.1 Manufacturer 1.2 Manufacturer's type d



1.9 Wheelbase

Weights 2.1 Service weight

2.2 Axle loading, loaded fr 2.3 Axle loading, unloade

Wheels, Chassis

3.1 Tires:solid rubber, su 3.2 Tires size, front(ϕx) 3.3 Tires size, rear($\phi x v$ 3.5 Wheels, number from 3.6 Track width, front 3.7 Track width, rear

Basic Dimensions

4.1 Mast / fork carriage tilt 4.2 Lowered mast height 4.3 Free lift 4.4 Lift height 4.5 Extended mast height 4.7 Overhead load guard (4.8 Seat height / standing 4.12 Coupling height 4.19 Overall length 4.20 Length to face of forks 4.21 Overall width 4.22 Fork dimensions(hool 4.23 Fork carriage ISO 2328 4.24 Fork-carriage width 4.31 Ground clearance, loa 4.32 Ground clearance, cer 4.33 Aisle width for pallets 4.34 Aisle width for pallets 4.35 Turning radius 4.36 Smallest pivot point dis Performance Data 5.1 Travel speed, unloade 5.2 Lift speed, loaded/ un 5.3 Lowering speed, loade

5.7 Gradient performance 5.9 Acceleration time, loa 5.10 Service brake Engine 6.1 Engine manufacturer 6.2 Engine power acc. to 6.3 Rated speed 6.4 No. of cylinder / cubic 6.5 Fuel consumption acc.

B.1	Type of drive control		Power Shift	Power Shift	Power Shift
B.2	Operating pressure(System / Attach)	bar	195 / 153	195 / 153	195 / 153
B.3	Oil volume	l	30	30	30
B.4	Sound level at driver's ear according to DIN 12 053	db(A)	NA	NA	NA

8

Specification

		Hyundai	Hyundai	Hyundai
designation		15LC-7	18LC-7	20LCA-7
ry or mains),diesel,petrol,fu	el gas,manual	FUEL GAS	FUEL GAS	FUEL GAS
nd,pedestrian,standing,sea	ted,order-picker	seated	seated	seated
l load	kg/lb	1,500 / 3,000	1,750 / 3,500	2,000 / 4,000
9	c (mm/in)	500 / 24	500 / 24	500 / 24
er of drive axle to fork	x(mm/in)	394 / 15.5	394 / 15.5	399/15.7
	y(mm/in)	1,250 / 49.2	1,250 / 49.2	1,250 / 49.2

15LC/18LC/20LCA -7

	kg/lb	2,818 / 6,123	2,992 / 6,596	3,139 / 6,920
front/rear	kg	3,726 / 592	4,092 / 650	4,462 / 677
ed front/rear	kg	1,276 / 1,542	1,234 / 1,759	1,188 / 1,951

superelastic, pneumatic, polyurethane	Pneumatic	Pneumatic	Pneumatic
x width)	6.50-10-12PR	6.50-10-12PR	6.50-10-12PR
x width)	5.00-8-10PR	5.00-8-10PR	5.00-8-10PR
ront x rear (x=driven wheels)	2 x 2	2 x 2	2 x 2
mm/in	890 / 35	890 / 35	890 / 35
mm/in	910/36	910/36	910 / 36

tilt forward / backward ($lpha / eta$	degrees	6 / 8	6 / 8	6 / 8
1	h1 (mm/in)	2,155 / 85	2,155 / 85	2,155 / 85
	h2 (mm/in)	145 / 5.7	145 / 5.7	150/5.9
	h3 (mm/in)	3,300 / 130	3,300 / 130	3,300 / 130
t	h4 (mm/in)	4,332 / 171	4,332 / 171	4,332 / 171
l (cab) height	h5 (mm/in)	2,140 / 84	2,140 / 84	2,145 / 84
g height	h7 (mm/in)	1,040 / 41	1,040 / 41	1,040 / 41
	h10 (mm/in)	229/9	229/9	229/9
	l1 (mm/in)	3,003 / 118	3,033 / 119	3,058 / 120
(S	l2 (mm/in)	2,103 / 83	2,133 / 84	2,158 / 85
	b1 (mm/in)	980 / 38.5	980 / 38.5	1,012/39.8
k type)	l / w / t(mm/in)	900 x 100 x 35 / 35.4 x 4 x 1.4	900 x 100 x 35 / 35.4 x 4 x 1.4	900 x 100 x 40/35.4 x 4 x 1.4
28, class / type A,B		II/A	II/A	II/A
	b12 (mm/in)	1,060	1,060	1,060
aded, under mast	m1(mm/in)	120 / 4.7	120 / 4.7	120/4.7
entre of wheelbase	m2(mm/in)	96 / 3.8	96 / 3.8	96 / 3.8
s 1,000x1,200 crossways (LxV	V) Ast(mm/in)	3,491 / 137.4	3,491 / 137.4	3,496 / 138
s 800x1,200 lengthways (WxL) Ast(mm/in)	3,691 / 145	3.691 / 145	3.696 / 146
	Wa(mm/in)	1,889 / 74	1,918 / 75.5	1,935 / 76
listance	b13(mm/in)	586 / 23	586/23	586 / 23

renu					
5.1	Travel speed, unloaded	km/h / mph	19.7 / 12.2	19.7 / 12.2	19.7 / 12.2
5.2	Lift speed, loaded/ unloaded	mm/s	650/ 680	650/ 680	650 / 680
5.3	Lowering speed, loaded/unloaded	mm/s	500/ 450	500/ 450	500 / 450
5.5	Drawbar pull, loaded	kg/lb	1,423 / 3,137	1,425 / 3,142	1,383 / 3,049
5.7	Gradient performance, loaded/ unloaded	%	34	31	28
5.9	Acceleration time, loaded/ unloaded(10m)	Sec	NA	NA	NA
5.10	Service brake		Mechanic / Hydraulic	Mechanic / Hydraulic	Mechanic / Hydraulic

r / type		HMC BETA	HMC BETA	HMC BETA
o ISO 1585	kW	37	37	37
	1/min	2,450	2,450	2,450
ic capacity	anz/ _{cm³}	4 / 1,975	4 / 1,975	4 / 1,975
cc. To VDI cycle	ℓ/h	NA	NA	NA