

25/30/ 35LE-7U

Internal Combustion LPG Engine Forklift Truck



Low fuel consumption as well as outstanding comfort and durability!
Experience the excellent cost-effectiveness unique to the 30LE -7U series.

PRODUCT FEATURES OVERVIEW

PERFORMANCE UP

- HMC engines whose performance, durability, and economy have been proven in the market
- Semi-permanent wet disc brake with excellent credibility
- Application of large-capacity aluminum radiator - Satisfaction of heavy-duty application
- T/M & Drive axle designed considering the environment for heavy-duty work
- Full hydraulic steering system with light operation force and quick, accurate response
- Travel speed control system – Satisfy both work efficiency and safety **Option**

SAFETY UP

- LED working lamp to guarantee bright vision during indoor and night work
- Operator Position Sensing System (OPSS) – Limitation of drive, lift, and tilt operations
- Guaranteed wide range of rear view – Basic application of panorama, RH, LH side mirrors **Option**
- Fork safety feature – Guaranteed safety when the mast hydraulic line is damaged during work
- Rear grip bar & horn to guarantee driving convenience and safety during backing up
- Seat belt interlock system – Ensure driver safety **Option**

*ECONOMY
PERF*



ICAL
FORMANCE



CONVENIENCE UP

- Driver's seat designed with ergonomics for consistent comfort at all times
- MCV lever with deck mount structure to minimize movement of driver's arms
- Hood insulation to reduce noise and heat toward the driver's seat
- Grammer full-suspension deluxe seat including cushion-height adjustment function
- Urethane floor mat to reduce vibrations and noise toward the driver

SERVICE UP

- Side cover and floor plate with tool-less structure to reduce work hours
- Arrangement of mission controller and filters on the upper part of the transmission
- Sub-bonnet made of plastic for the maintenance of radiator only
- Car-style fuse box arranged in front of the dashboard considering the demand for frequent maintenance
- Standard rear cover configuration to prevent inflow of foreign substances under the engine radiator

ENVIRONMENT FRIENDLY
GREAT PRODUCTIVITY, DURABILITY

UP PERFORMANCE

Durability in addition to economically efficient fuel efficiency!

Experience the outstanding cost performance of **30LE-7U**



HMC L4KB LPG Engine (Euro Stage V)

The HMC L4KB engine complies with the Euro Stage V regulations and provides high productivity and economic gains to customers with its powerful performance, excellent fuel efficiency, and high durability.

	HMC L4KB
Engine Power (kw/rpm)	45.4/2,600
Max Torque (kg·m/rpm)	18.2/2,000
Displacement (cc)	2,359



Transmission with excellent durability and environmental adaptability

A high-capacity clutch pack and a torque converter with excellent torque conversion efficiency are applied to the forward/reverse 1-speed power shift-type transmission for heavy-duty work with frequent push mode and for successful driving on poor roads. The noise level is also reduced with the application of all grinding gear.



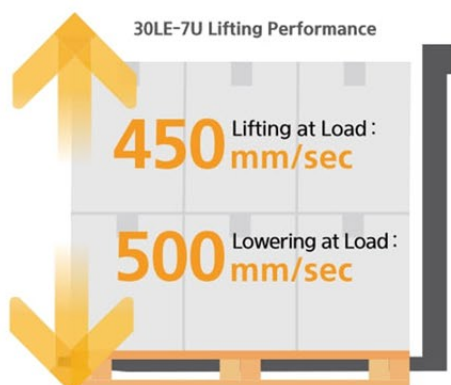
Travel speed control system Option

Using the travel speed control button, the maximum travel speed of the forklift can be easily selected at the workplace where indoor (Ribbit) and outdoor (Tuttle) works are performed at the same time. When the turtle mode is selected, the travel speed is limited to 8km/h, but mast performance is not limited.



Optimized mast working speed

The highest level of mast workability is shown in the same class by combining design characteristics such as load sensing function of the optimized priority valve, highest maximum torque of the engine, and low and stable center of gravity of the body.



Drive axle & wet disc brake

Main components such as shaft and hub manufactured by the forging method are applied to the drive axle in order to show excellent durability in a heavy-duty environment, too. The applied semi-permanent wet disc brake boasts of high credibility and low follow-up maintenance cost compared to the dry disk-type brake.



Heat radiation performance - Enhanced credibility of power train

An aluminum radiator with excellent durability and heat radiation performance and a cooling fan consisting of 7 blades to reduce engine noise and increase airflow are applied in order to guarantee the perfect radiation performance of the engine and transmission.



Fully hydraulic power steering

Fully hydraulic power steering without mechanical linkage between steering wheel and steering cylinder and boosting of operability of the wheel by the hydraulic pump reduce the work fatigue of the operator with easy steering operation and agile, secure response.



ENHANCED SAFETY
OUTSTANDING OPERABILITY

SAFETY & CONVENIENCE ^{UP}

Safety and driving convenience are most important

Diverse preventive functions and constant convenience are provided

COCKPIT, A SPACE WHERE OPERATION EFFICIENCY IS ENSURED

As a very important space for ensuring operation convenience and safety, the cockpit is equipped with ergonomic features such as ❶ **cluster with wide visibility**, position-adjustable steering wheel and seat, deck-mounted MCV lever, prompt and responsive pedal, and wide working visibility.

Hood insulation & floor mat

The insulation inside the hood reduces heat and noise from the engine to the cockpit. Furthermore, the polyurethane-foam floor mat reduces vibration and noise from the truck body to provide a pleasant operating environment.



Cabin & Air-con, Heater **Option**

Cabin is composed of three parts: the front windshield, side doors, and rear glass, allowing you to select module or part units according to your usage environment. Additionally, air conditioning and heating are available as separate options.

* Please note the upper rain cover for the head guard is included in the optional specifications.



Safety-Lamp & Mirror

LED work lamps, direction indicators, beacon lamps, etc. are basically installed for brighter work vision and to guide the moving direction of the forklift during dark indoor work and night work. Panorama mirror and RH/LH side mirrors are also basically installed to provide driving vision in the rear area.



Operator presence sensing system

The OPSS restricts driving, lifting, and tilting in when the operator leaves the driver's seat in order to prevent safety accidents.

DRIVE LOCK

LIFT LOCK

TILT LOCK



Fork safety features

As the forks are being lowered, a down-control valve maintains a controlled descent speed. The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.



Load sensing system Option

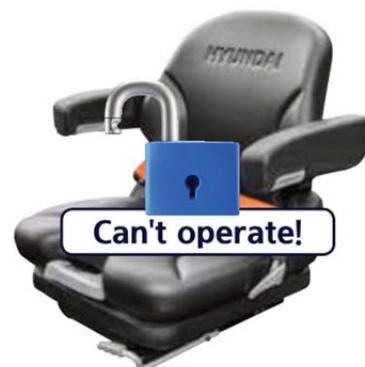
Cargo weight measurement function configured with pressure sensor of lift line and data converter provide real time indication of weight of lifted cargo and prompts a load weight monitor.

* The margin of error for weight measuring is $\pm 0.5\%$



Seat belt interlock Option

The seat belt interlock system, which restricts forklift operation when the seat belt-wearing order is not observed or the operator releases the belt while driving, prevents operator injury from safety accidents that may occur when the seat belt is not fastened.



Parking alarm & Parking interlock

* Parking alarm

After turning off the engine, if the parking brake lever is not operated, a warning alarm will go off after a certain period of time.

* Parking interlock

During parking brake system operation, the forward and reverse movement of the forklift are restricted for accident prevention.

EASY SERVICE

MAINTENANCE^{UP}

**Easy maintenance,
economical service**

Satisfaction continues after
completion of the work

LAGER MAINTENANCE SPACE

A large work space is provided for the follow-up management of consumables and major functional parts when you remove the engine compartment cover supported with two gas springs tool-less type side cover and floor plate.

Transmission maintenance

The transmission separately configured from the drive axle significantly reduces the follow-up maintenance time and cost compared to the integrated transaxle type. In addition, the main functional components, i.e., control valve and filters, are arranged on the upper part of the transmission for easy maintenance.



Detachable radiator cover

The plastic tool-less radiator sub-hood on top of the counterweight separated from the main hood reduces the downtime for checking the cooling water level and makeup.



Dual element & Pre-cleaner Option

The air cleaner with 6-inch dual-element structure may be repaired without disassembling surrounding parts by opening the hood. The added optional pre-cleaner also extends the service life of the air cleaner element.



Brake oil reservoir

Oil reservoir is mounted on top of the dashboard for the convenient management of brake oil, which should be frequently inspected and made up for safe operation.



Centralized fuse holders

Fuse is an item demanding the most frequent maintenance works among the components of the electric system of the forklift truck. All of the fuses are centralized on the front of the dashboard for convenient inspection and replacement of fuses.



Standard & Option

DETAILS			25/30/ 35LE-7U	DETAILS			25/30/ 35LE-7U
OPERATION ROOM	Cabin	Overhead Guard (2,170mm)	●	HYDRAULICS	Stering	Hydraulic Power Steering	●
		Cabin	○		MCV	4 Spool MCV + Attache piping for V300 mast	●
		Top / Front + Top + Rear (With wiper)	○			MCV Option - 2 Spool, 3 Spool	○
	Seat	Grammer Seat + Belt + Armrest + Buckle switch	●	POWER TRAIN	Transmission	Full Floating Type	●
		Grammer Seat + Belt + Armrest	○		Service Brake	Wet Multi Disc - Service Brake	●
		Non Suspension Seat + Belt	○	TIRE	Tire	Single Pneumatic Tires	●
	A/C	Air Conditioner	○			Single Solid Tires	○
	Heater	Heater	○			Single Non - Marking Tires	○
	Horn-Rear	Rear Horn & Grap Bar	●	VISIBILITY	Lamp-Work	LED Working Lamp - Front	●
	Extinguishers	Extinguisher (0.7KG)	○			LED Working Lamp - Front & Rear	○
Engine	HMC L4KB Engine - LPG (Stage V)	●	Turn Signal		Turn Signal Lamp	●	
LPG Sensor	LPG Empty Alarm	●	Lamp-Beacon		Beacon lamp - Amber	●	
Cleaner	Pre Cleaner	○	Camera		Camera - Rear, Front & Rear	○	
MAST & ATTACHMENT	Mast	3 Stage Standard Mast (4,700mm)	●	Mirror	Panorama Mirror	●	
		Various Option Mast - 2, 3 Stage ¹⁾	○		Panorama Mirror + Back Mirror (RH/LH)	○	
	Fork	1,200mm	●	SAFETY	Master SW	Master Switch	○
		Various Option Fork ²⁾	○		Seat Belt	Seat Belt Interlock	●
	Carriage	Carriage - Hook	●		OPSS	OPSS - Travel only	○
		Carriage - Integral Hook	○			OPSS - Travel & Mast	●
	Tilt Angle	6F/6B	●		Load Sensor	Load Sensor	○
		6F/10B	○	Speed Control	Travel Speed Control	○	
	Attachement	Side Shift - Hang on, Intergral	○	OTHERS	LPG Tank	Fixed	○
		Fork Positioner - Independent, Synchronized	○		Clamp	Swing Out, Swing Down	○
				Tank LPG	Include LPG Tank	○	

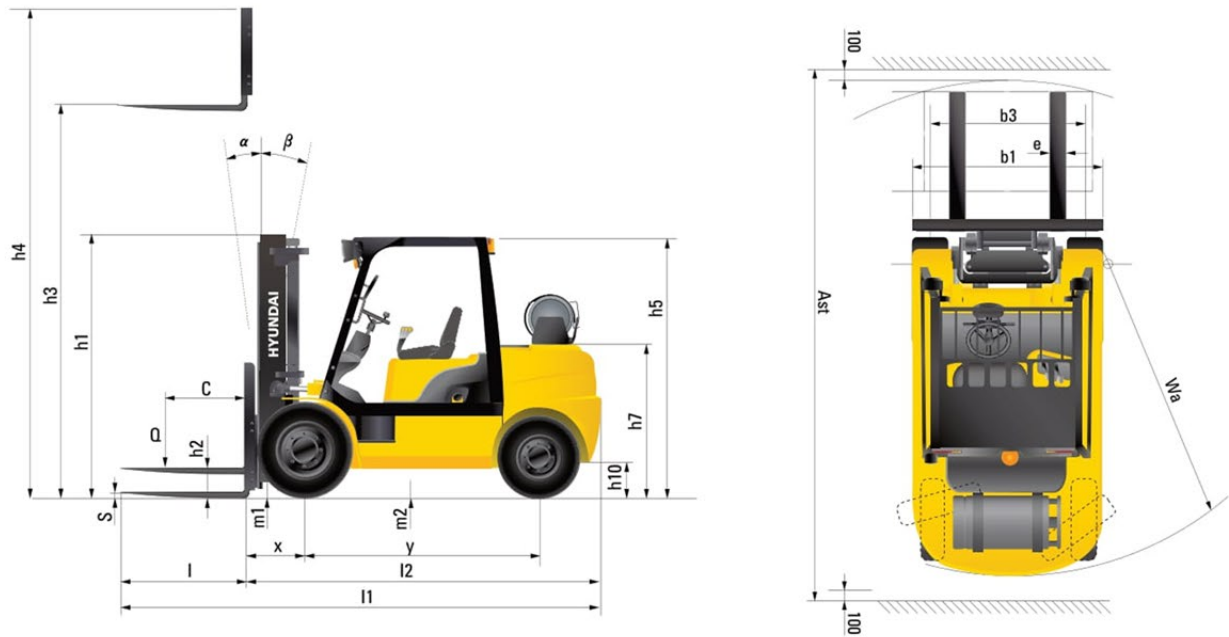
1) Mast Option : V-3,000mm, 3,300mm, 4,000mm, 4,500mm, 5,000mm / VF-2,950mm, 3,250mm, 3,450mm / TF-4,300mm, 4,500mm, 4,700mm, 5,000mm, 5,500mm, 6,000mm

2) Fork Option : 900mm, 1,050mm, 1,150mm, 1,200mm, 1,350mm, 1,500mm, 1,800mm

Specification

IDENTIFICATION					
	Manufacturer (Abbreviation)		Hyundai		
	Manufacturer's type designation		25LE-7U	30LE-7U	35LE-7U
1.1	Drive : Electric, Diesel, Petrol, Fuel GAS		LPG-Stage V	LPG-Stage V	LPG-Stage V
1.2	Type of operation		Seated	Seated	Seated
1.3	Load capacity	kg	2,500	3,000	3,500
1.4	Load center distance	mm	500	500	500
1.5	Load distance, center of drive axle to fork face	mm	468	468	468
1.6	Wheelbase	mm	1,650	1,700	1,700
WEIGHTS					
2.1	Serve weight	kg	3,728	4,173	4,595
2.2	Axle loading, loaded front/rear	kg	5,434/794	6,286/885	7,027/1,068
2.3	Axle loading, unloaded front/rear	kg	1,467/2,261	1,578/2,594	1,534/3,061
WHEELS, CHASSIS					
3.1	Tires : Solid rubber, Superelastic, Pneumatic, Polyurethane		P	P	P
3.2	Tire size, front		7.00-12-14PR	28x9-15-16PR	28x9-15-16PR
3.3	Tire size, rear		6.00-9-10PR	6.50-10-12PR	6.50-10-12PR
3.5	Wheels, number front / rear (X = driven wheels)		2x2	2x2	2x2
3.6	Tread, front	mm	965	1,005	1,005
3.7	Tread, rear	mm	980	980	980
BASIC DIMENSIONS					
4.1	Tilt of mast/fork carriage forward/backward	degree	6/10	6/10	6/10
4.2	Height, mast lowered	mm	2,025	2,040	2,040
4.3	Free lift	mm	155	155	155
4.4	Lift height	mm	3,005	3,005	3,005
4.5	Height, mast extended	mm	4,185	4,185	4,185
4.7	Height of overhead guard (Cabin)	mm	2,160	2,180	2,180
4.8	Seat height / Stand height Rel. to SIP	mm	1,185	1,205	1,205
4.12	Coupling height	mm	283	299	299
4.19	Overall length	mm	3,685	3,742	3,827
4.20	Length to face of forks	mm	2,635	2,692	2,777
4.21	Overall width	mm	1,230	1,230	1,230
4.22	Fork dimensions	mm	1,050x122x45	1,050x122x45	1,050x122x45
4.23	Fork carriage ISO 2328, Class / Type A, B		II / A	III / A	III / A
4.24	Fork-carriage width	mm	1,102	1,102	1,102
4.31	Ground clearance, below mast, loaded	mm	145	145	145
4.32	Ground clearance, center of wheelbase	mm	189	189	189
4.34.1	Aisle width for pallets 1000 X 1200 crossways	mm	3,981	4,066	4,123
4.34.2	Aisle width for pallets 800 X 1200 lengthways	mm	4,181	4,266	4,323
4.35	Turning radius	mm	2,313	2,398	2,455
4.36	Smallest pivot point distance	mm	714	731	731
PERFORMANCE DATA					
5.1	Travel speed, loaded / unloaded	km/h	18.0/19.1	18.9/20.1	18.7/20.1
5.2	Lift speed, loaded / unloaded	mm/s	450/550	450/550	450/550
5.3	Lowering speed, loaded / unloaded	mm/s	500/360	500/360	500/360
5.6	Max. drawbar pull, loaded / unloaded	kgf	2,116/2,052	1,975/1,930	1,976/1,922
5.8	Max. gradeability, loaded / unloaded	%	31.7/21.1	25.2/20.5	22.3/17.8
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic
ENGINE					
7.1	Engine manufacturer / type		HMC/L4KB	HMC/L4KB	HMC/L4KB
7.2	Engine power acc. To ISO 1585	Ps/rpm	45.4/2,600	45.4/2,600	45.4/2,600
7.3	Maximum torque	kgf · m/rpm	18.2/2,000	18.2/2,000	18.2/2,000
7.4	No. of cylinders / displacement	EA/cc	4/2,359	4/2,359	4/2,359
7.5	Fuel consumption acc. to VDI cycle	l/hr	6.4	6.5	6.7
OTHER DETAILS					
8.1	Type of drive control		Power Shift	Power Shift	Power Shift
8.2	Operating pressure, system / attachments	bar	210	210	210
8.3	Oil volume for attachments	LPM	60	60	60
8.4	Sound level at the driver's ear according to DIN 12053	dB (A)	83.8	83.8	83.8
8.5	Trailer coupling, type DIN		PIN	PIN	PIN

Dimension

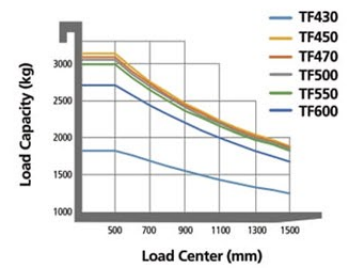
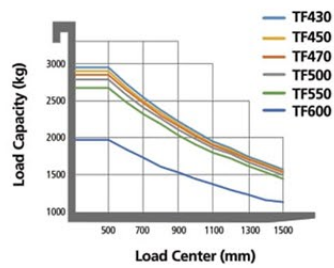
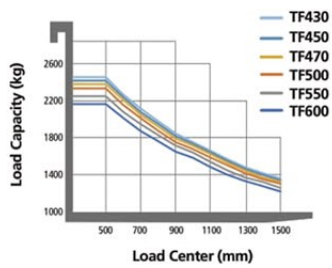
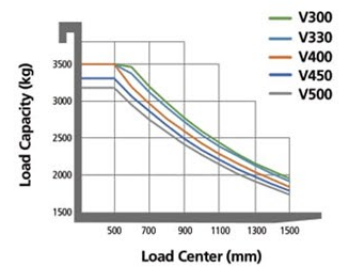
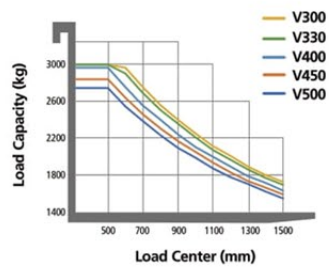
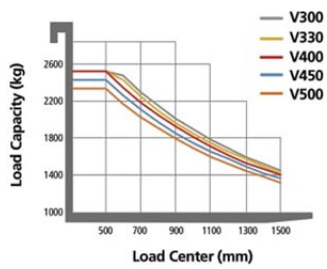


Load Capacity

25LE-7U

30LE-7U

35LE-7U



25LE-7U

Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Tilt Angle		Load capacity without Side shift	Load Capacity with Integral Side Shift	Truck Weight (Unload)
				With BKR	Without BKR	Without BKR (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
				mm	mm	mm	deg	deg	kg	kg	
2 Stage Limited Free Lift	V300	3,000	2,040	155	155	155	6	10	2,500	2,500	3,773
	*V330	3,300	2,190				6	10	2,500	2,490	3,793
	V400	4,000	2,590				6	10	2,500	2,360	3,862
	V450	4,500	2,890				6	6	2,400	2,270	3,936
	V500	5,000	3,140				6	6	2,310	2,190	3,972
2 Stage Full Free Lift	VF295	2,950	2,025	845	1,361	1,221	6	6	2,500	2,500	3,793
	VF325	3,250	2,175	995	1,511	1,371	6	6	2,500	2,480	3,827
	VF345	3,450	2,275	1,095	1,568	1,428	6	6	2,500	2,440	3,850
3 Stage Full Free Lift	TF430	4,300	2,040	860	1,314	1,175	6	6	2,430	2,290	3,926
	TF450	4,500	2,140	960	1,414	1,275	6	6	2,390	2,250	3,948
	TF470	4,700	2,190	1,010	1,464	1,325	6	6	2,360	2,220	3,961
	TF500	5,000	2,290	1,110	1,564	1,425	6	6	2,310	2,170	3,983
	TF550	5,500	2,490	1,310	1,764	1,675	6	6	2,230	2,090	4,022
	TF600	6,000	2,690	1,510	1,964	1,875	6	6	2,150	2,010	4,087

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Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Tilt Angle		Load capacity without Side shift	Load Capacity with Integral Side Shift	Truck Weight (Unload)
				With BKR	Without BKR	Without BKR (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
				mm	mm	mm	deg	deg	kg	kg	
2 Stage Limited Free Lift	V300	3,000	2,040	155	155	155	6	10	3,000	3,000	4,172
	*V330	3,300	2,190				6	10	3,000	2,950	4,192
	V400	4,000	2,590				6	10	2,970	2,790	4,264
	V450	4,500	2,890				6	6	2,850	2,680	4,339
	V500	5,000	3,140				6	6	2,750	2,590	4,377
2 Stage Full Free Lift	VF295	2,950	2,025	845	1,361	1,221	6	6	3,000	3,000	4,218
	VF325	3,250	2,175	995	1,511	1,371	6	6	3,000	2,950	4,251
	VF345	3,450	2,275	1,095	1,568	1,428	6	6	3,000	2,870	4,307
3 Stage Full Free Lift	TF430	4,300	2,040	860	1,314	1,175	6	6	2,850	2,690	4,393
	TF450	4,500	2,140	960	1,414	1,275	6	6	2,800	2,650	4,419
	TF470	4,700	2,190	1,010	1,464	1,325	6	6	2,760	2,610	4,433
	TF500	5,000	2,290	1,110	1,564	1,425	6	6	2,700	2,550	4,455
	TF550	5,500	2,490	1,310	1,764	1,675	6	6	2,600	2,460	4,499
	TF600	6,000	2,690	1,510	1,964	1,875	6	6	1,960	1,850	4,569

35LE-7U

Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Tilt Angle		Load capacity without Side shift	Load Capacity with Integral Side Shift	Truck Weight (Unload)
				With BKR	Without BKR	Without BKR (3/4-SPOOL)	Fwd	Bwd	500mm LC	500mm LC	
				mm	mm	mm	deg	deg	kg	kg	
2 Stage Limited Free Lift	V300	3,000	2,040	155	155	155	6	10	3,500	3,500	4,560
	*V330	3,300	2,190				6	10	3,500	3,450	4,584
	V400	4,000	2,590				6	10	3,500	3,280	4,655
	V450	4,500	2,890				6	6	3,330	3,140	4,732
	V500	5,000	3,140				6	6	3,210	3,030	4,772
2 Stage Full Free Lift	VF295	2,950	2,025	845	1,361	1,221	6	6	3,500	3,500	4,643
	VF325	3,250	2,175	995	1,511	1,371	6	6	3,500	3,410	4,678
	VF345	3,450	2,275	1,095	1,568	1,428	6	6	3,500	3,360	4,714
3 Stage Full Free Lift	TF430	4,300	2,040	860	1,314	1,175	6	6	3,320	3,140	4,829
	TF450	4,500	2,140	960	1,414	1,275	6	6	3,270	3,090	4,850
	TF470	4,700	2,190	1,010	1,464	1,325	6	6	3,220	3,050	4,864
	TF500	5,000	2,290	1,110	1,564	1,425	6	6	3,150	2,990	4,886
	TF550	5,500	2,490	1,310	1,764	1,675	6	6	2,820	2,690	4,930
	TF600	6,000	2,690	1,510	1,964	1,875	6	6	1,810	1,700	5,003

※ : Standard