



## ALPHA GREENTEC

### ENGINE

Make	: PERKINS
Type	: 854F-E34TA Diesel Engine
Number of Cylinders	: 4 in line
Bore & Stroke	: ø 90 x 110 mm
Displacement	: 3,4 L
Maximum Power	: 55 kW @2200 rpm
Maximum Torque	: 424 Nm @1200 rpm
High power and torque output, water cooled turbocharged diesel engine.	
European EU Stage 3B exhaust gas emission regulations	

### TRANSMISSION

- Autoshift transmission for heavy duty service
- Torque converter with 2,38:1 stall ratio
- Electrically controlled 2 Wheel drive or 4 Wheel Drive selection
- 6 forward, 3 reverse gears (Lock-Up option available)
- Transmission oil cooler
- A neutral circuit allows starting only when the control lever is in neutral position for safety.

### AXLES

- Heavy duty service type ZF axles
- Planetary outboard type reduction gears
- Total 16 degrees oscillation on the front axle
- Equipped with LSD (Limited Slip Differential) optional diffrentail lock for rear axle

### TIRES

Front	: 16/70 - 20 12 Ply Rating
Rear	: 16,9 - 28 14 Ply Rating

### CAB & HOOD

- Widened visual angle
- Ergonomic & Aesthetic Interior Design
- 3" LCD displays on both front and side panels
- High capacity A/C system
- Improved ventilating with 15 air nozzles
- ROPS and FOPS certificated cab
- Multi-functional seat
- TIPSHIFT front loader joystick
- Pool type floor mats
- Removable lids
- Cooling-box
- Storage boxes for operator
- Foldable side steps

### HYDRAULIC SYSTEM

Simple, reliable and high-efficient tandem gear pump	
Main Pump Flow	: 90 L/min @2200 rpm
Pressure	: 227 bar
Auxiliary Pump Flow	: 57 L/min @2200 rpm
Pressure	: 170 bar

### DRIVING SPEED

@ 2200 rpm engine speed	
1 <sup>st</sup> gear	: 6,2 km/h
2 <sup>nd</sup> gear	: 9,9 km/h
3 <sup>rd</sup> gear	: 12,8 km/h
4 <sup>th</sup> gear	: 20,1 km/h
5 <sup>th</sup> gear	: 25,3 km/h
6 <sup>th</sup> gear	: 40 km/h



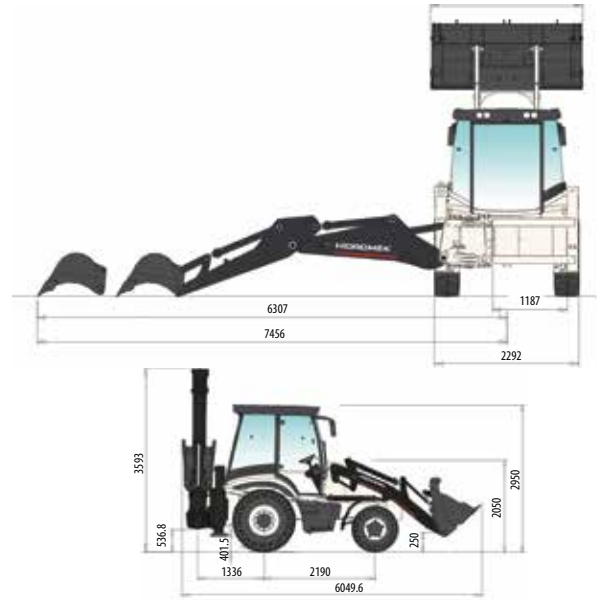
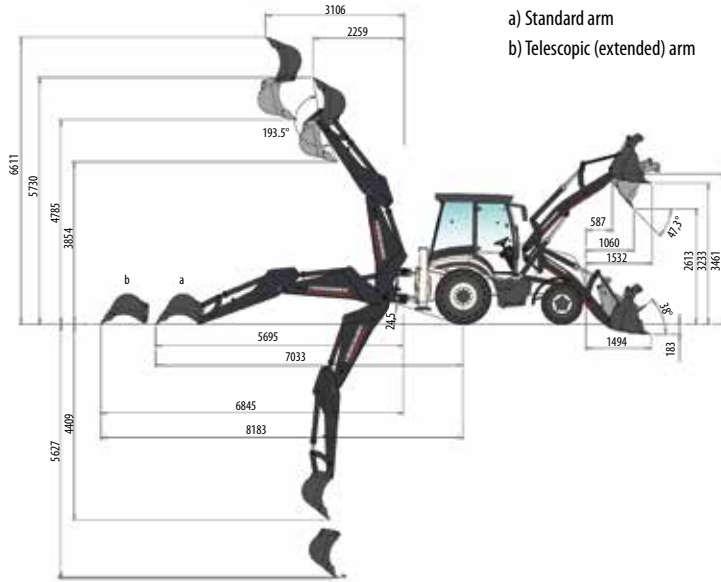
### FILLING CAPACITIES

Engine Oil Pump	: 8,5 L
Engine Cooling System	: 18 L
Fuel Tank	: 140 L
Hydraulic Oil Tank	: 70 L
Transmission Oil	: 16 L
Front Axle Differential	: 9 L
Front Axle Hub Reducers	: 0,85 x 2 L
Rear Axle Differential	: 18 L

### OPERATING WEIGHT

Operating weight (with standard equipment)	: 9.000 kg
--	------------

Operational weight, complying with the ISO 6016 standards, includes full fuel tank, hydraulic system and other liquids, 75 kg operator weight and standard equipped machine weight. Optional equipments are not included.





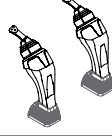

## LOADER PERFORMANCE

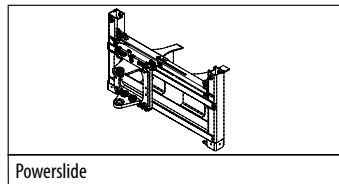
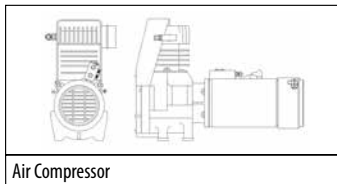
6 in 1 bucket capacity	1,1 m <sup>3</sup>
Max. bucket breakout force	7209 kgf
Max. loading arm breakout force	6515 kgf
Lifting capacity to maximum height	3170 kg

## BACKHOE PERFORMANCE


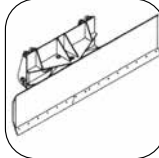


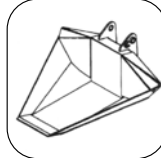



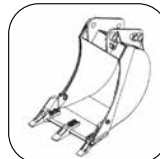
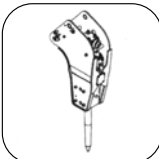

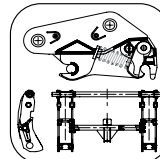
	Standard Arm	Telescopic Arm (extended)	Telescopic Arm (retracted)
Bucket capacity	0,17 m <sup>3</sup>	0,17 m <sup>3</sup>	0,17 m <sup>3</sup>
Max. bucket breakout force	6209 kgf	6364 kgf	6364 kgf
Max. dipper breakout force	2983 kgf	2026 kgf	2867 kgf

## Optional Accessories

 Air conditioner	 MSS (Motion Stabilizer System)	 Joystick	 Hydraulic breaker inst. + Telescopic arm
--	---	--	---



## Optional Attachments

 6-in-1 Bucket with forks	 Grading blade	 Timber grab	 Special buckets	 Trapezoidal ditch bucket	 Ripper
 Offset bucket	 Clamshell grab	 Backhoe bucket of different sizes	 Hydraulic breaker	 Auger	 Quick coupler