



# MLST

## BACKHOE LOADER

Model: **642 S**



## Technical Specifications

### ENGINE

Brand	PERKINS
Model	904J-E36TA
Type	Diesel
Number Of Cylinders	4
Bore & Stroke	ø 98mm x 120mm
Displacement	3621 cc
Max. Power	74,4 Kw, 100 hp / 2400 RPM
Max.Torque	430Nm @1500 RPM
Emission Class	EU: STAGE V - US:Tier IV-Final

### TRANSMISSION

- Heavy Duty Powershift Transmission
- 4 Forward & 4 Reverse Gears
- Max Speed On Road 40km/h
- Full Power Hydrostatic, Priority Valve
- Electrically Controlled 2 Wheel Drive or 4 Wheel Drive Selection
- Torque Converter with 2,64:1 stall ratio
- Transmission Oil Cooler

### AXLES

- Heavy Duty Service Type Axles
- 16° oscillation on the front axle
- Ourboard Planetary Reduction
- Differential Lock on the rear axle

### HYDRAULIC SYSTEM

Type	Tandem Gear Pump	Piston Type Pump
Flow Rate	145 l/min @2200 RPM	162,8 l/min @2200 RPM
Pressure	240 bar	240 bar

### OPERATING WEIGHT

Operating Weight 9065 kg (Telescopik) / 8785 kg (STD Arm)

### BRAKES

- **Service Brake:** Hydraulic Boosted Twin Ø 31.75 Compensating self Bleed Master Cylinder
- **Park Brake:** Rear axle input, Manually adjusted Caliper, cable operated, Mounted on transmission output

### FILLING CAPACITIES

Engine Oil with Filter	10,5 l
Engine Cooling System	
Fuel Tank	140 l
Transmission	23,5 l
Hydraulic Oil Tank / Total System	62 l / 145 l

### ELECTRIC SYSTEM

Voltage	12 V
Optional Battery	135 A/h
Altremator	120 A

### TIRES

Front Tires	405/70-20" 12PR
Rear Tires	16.9-28" 14PR

### LOADER PERFORMANCE

Max. Bucket Breakout Force	7734 kgf
Max. Arm Breakout Force	5905 kgf
Lift Capacity at Max. Height	3200 kg

### BACKHOE PERFORMANCE TB (Extended) TB (Retracted)

Bucket Capacity	0,17 m3	0,17 m3
Max. Bucket Breakout Force	6424 kgf	6424 kgf
Max. Arm Breakout Force	2506 kgf	3461 kgf

More Details





# MST

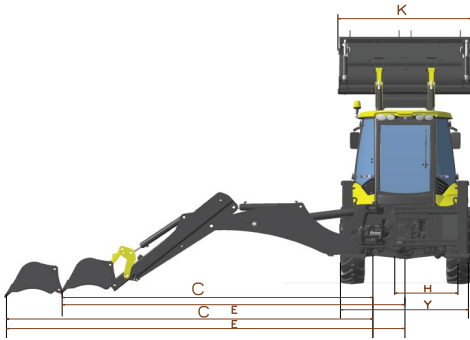
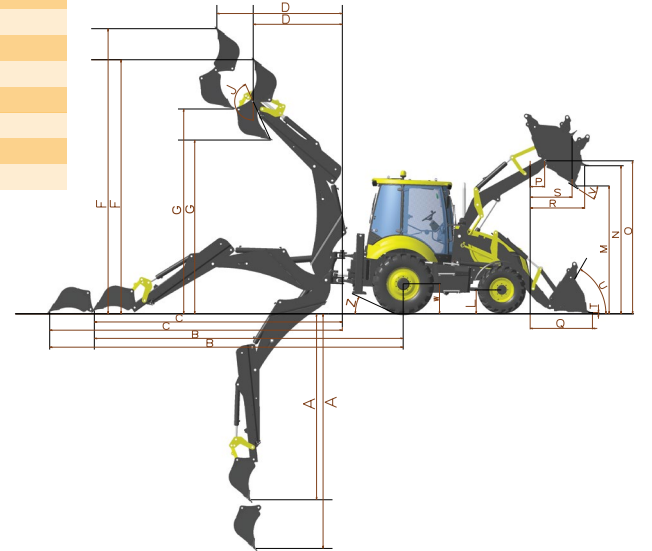
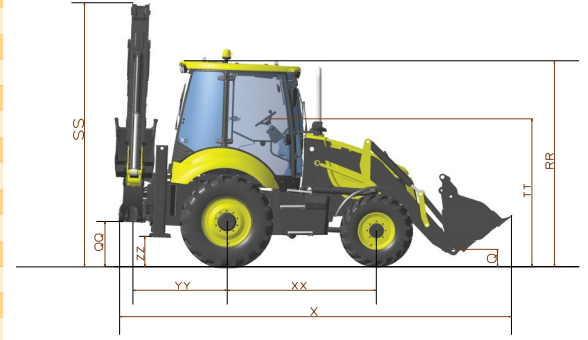
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# 642 S



### DIMENSIONS

		TB (Extended)	TB (Retracted)
A - SAE Maximum Dig Depth	mm	5350	4255
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B - Reach - Ground Level to Rear Wheel Centre	mm	8027	7026
C - Reach - Ground Level to Slew Centre	mm	6641	5640
D - Reach - at Full High to Slew Centre	mm	2776	1936
E - Side Reach -to Centre Line of Machine	mm	7149	6147
F - SAE Operating Height	mm	6347	5653
G - Max Load Over Height	mm	4623	3912
J - Bucket Rotation	°		205°
K - Shovel Width	mm	2350	
Y - Rear Frame Width	mm	2250	
SS - Total Travel Clearance	mm	3838	
X - Total Travel Length	mm	5740	
RR - Cab Roof Height	mm	2980	
M - Dump Height	mm	2800	
N - Load Over Height	mm	3328	
O - Loader Hinge Pin Height	mm	3481	
T - Dig Depth	mm	124	
Q - Reach at Ground (Toe Plate Horizontal)	mm	1317	
H - Total Kingpost Travel	mm	1125	
W - Rear Wheel Centre to Ground	mm	643	
L - Front Wheel Centre to Ground	mm	496	



\* The information, visual, model and equipments features indicated in this document can be offered as standart or optional depending on the country and region. MST, reserves all the rights to make changes without notice for information, values and designs contained in this document.

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