



# Lithium Tractor

A6- Concept Explanation

# General, Features






- Same price with diesel
- Low energy cost
- Low noise & vibration
- Low maintenance cost
- Low maintenance sleep



New Holland TV6070

# General, Special Features



	Special Features	Scheme	Energy	Time	Cost	Maint.
3	Fast Change Battery		✓	✓	✓	✓
4	In-wheel 380V Motors		✓	-	-	✓
5	Hi-tech FOC Inverter		✓	-	-	✓
	<b>Description</b>		Lower Energy Consumption	Lower Stop Time	Lower Current Cost	Lower Cost & Time

# Lithium Agriculture Tractor



## General Spec

Type	EAWDT*
Speed limit	30 Km/h
Empty Weight	3.6 Ton
Max. Weight	6.4 Tons
Max. Axle Load	3.5 Tons
Working Time	6 Hours

## Power

64 kW	4x16 kW
100 kW	4x25 kW
160 kW	4x40 kW



\*EAWDT = Electric All Wheel Drive Tractor

**1- Control**

**2- Facility**

**3- Axle**

**4- Traction**

**5 Inverter**

**6- Body**

**7- Battery**

# 1- Control



## 1- Control

Anti-lock Braking System

Speed Limit Control

Brakes Periodically Checking

Trailer Control System

Wheels Differential System



TractorData.com



# 2- Facility

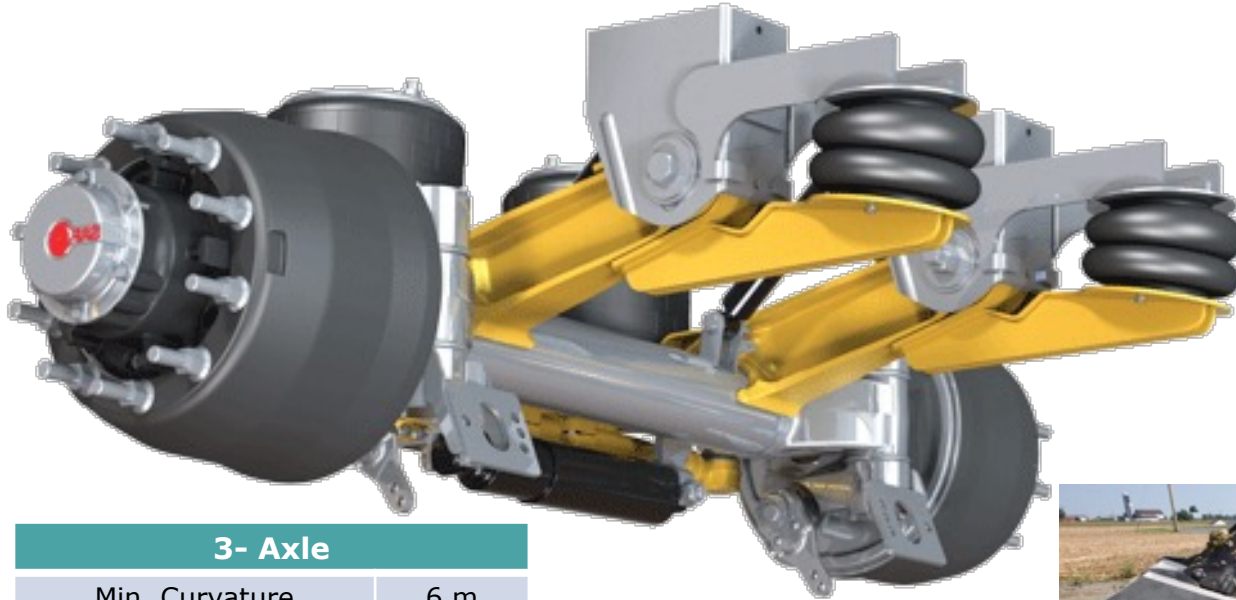


## 2- Facility

Passengers	1+1
Heat Pump H/C	500 W
Heat Pump EER	4 W/W
Info Monitor	1
Plug (220 V, 0.2 A)	1



# 3- Axle



## 3- Axle

Min. Curvature	6 m
Air Suspension Axle	2
Max. Axle Load	2.2 Tons
Pneumatic Brake System	1
Air Compressor & Tank	1
ABS	1
Drum Brake	4
Height Control	4





# 4- Traction



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4- Traction	
Voltage	3P / 380 V
Type	Inductive
40 kW	4x10 kW, 2000 Nm
50 kW	4x12 kW, 2400 Nm
60 kW	4x15 kW, 3000 Nm
80 kW	4x20 kW, 4000 Nm
100 kW	4x25 kW, 5000 Nm
130 kW	4x33 kW, 6600 Nm
160 kW	4x40 kW, 8000 Nm

# 5- Inverter



## 5- Inverter

Phase / Voltage	3 / 380 V
Type	FOC
Min. Efficiency	95%
Mounting	Rack
Brake Power	90%
Inverter	10-40 kW





# 6- Body

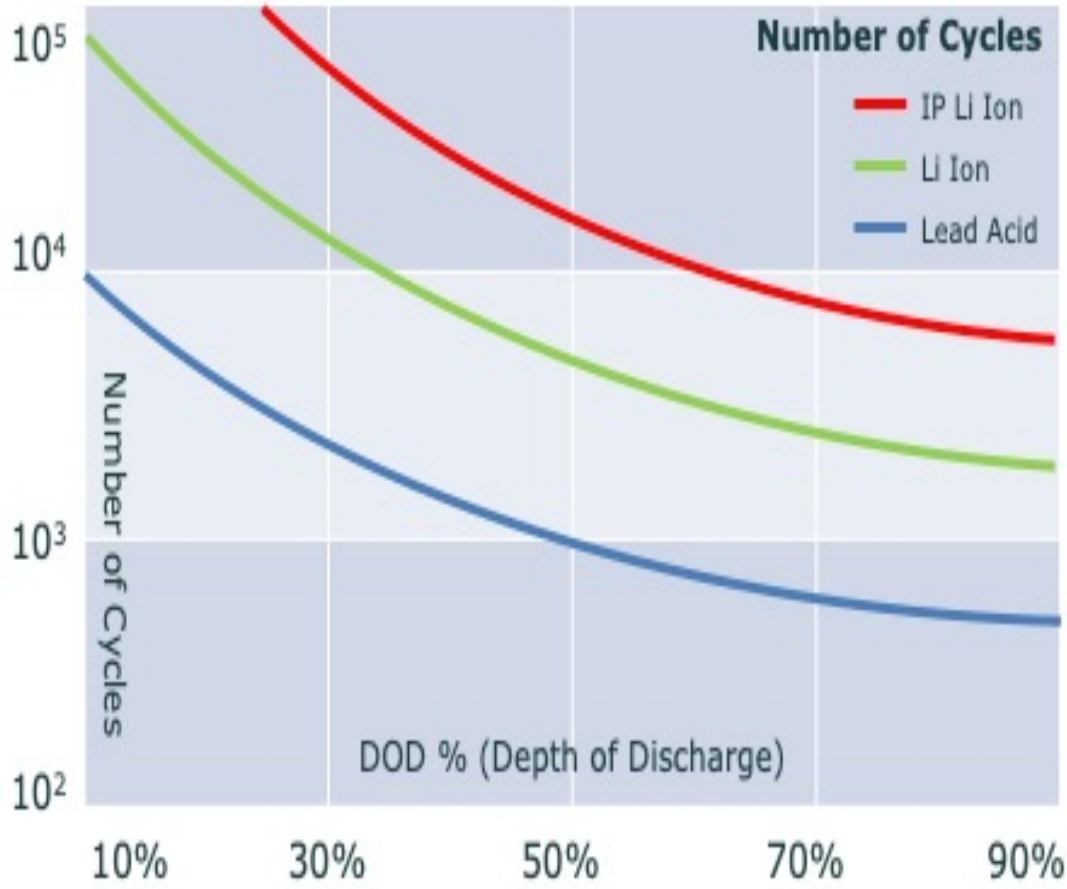


## 6- Body

Total Width	2.6 m
Total Length	4.8 m
Total Height	2.4 m
Material	Steel



# 7- Battery



	I.P. Lithium	Lithium Ion	Lead Acid
Power	100 kWh	100 kWh	100 kWh
Weight	680 kg	880 kg	2600 kg
Volume	0.35 m <sup>3</sup>	0.44 m <sup>3</sup>	1.20 m <sup>3</sup>
Normal Charge	5 Hours	5 Hours	5 Hours
Fast Charge	1 Hours	1 Hours	1 Hours
Life	5000 Cycles	1500 Cycles	700 Cycles
Price	14,000 €	9,000 €	2,700 €