



# NO ON-GOING MAINTENANCENO HYDRAULIC FLUIDNO WATER COOLINGNO EXTERNAL POWER



- Create your own design
- Custom colors available
- Use your logo





**CUSTOMIZE IT - fit your corporate needs** 







### **Data - Acquisition Hardware**

ti layer board with smd electronic components,power multi layer board 70µm g of batteries only: 110-240VAC 50/60Hz
g of batteries only: 110-240VAC 50/60Hz
,
developed PCB-Board
AN 500kbps
narness - 4 channel
memory
ion; calibration with generator rpm
) integrated
s in app - storage of all measurements in cloud in
t - 3 included - on control board, power electronics current brake
generator, battery voltage, torque, calibration tool, ors, etc
ower electronics, relay for fans, dynolink, calibration uest, etc
1 1 2

### **Torque transducer**

Configuration	Environmentally sealed S-beam load cell
Maximum displayed torque	9999 lb ft [Nm]
Load-cell range	10.000 pounds
Load-cell signal-output gain	2.0mV/V
Load-cell resolution	0.03
Strain gauges	Linearrized full-bridge strain gauges in balanced Wheatsone bridge
Advanced linearization (Software)	automatic calculation
System torque resolution	typically better than 0.1% of full scale
Calibration features	calibration tool available - full automatic calibration process
Drift stabilization	supply-voltage and temperature compensation



### **Docking Module Assembly**

Configuration	steel frame with integrated trailering package
Mechanical frame construction	steel welded; greasable bearings
Absorber to engine coupling	direct input shaft
Driveshaft (to PT0)	1 3/4" 6T
Driveshaft guard	Walterscheid PG 30
Driveshaft splines	1 3/8" 6T & 1 3/4" 6T
Installation	two stabilizers
Ventilation	two thru-flow fans

### **Integral Trailer Assembly**

Mechanical construction	steel / aluminium - powder coated
Brakes	drum brake
Lights	LED, Side markers, LIC LED
Wheels and tires	15" steel rim; 195/65R15
Recommended Towing Speed	up to 80mph; tested up to 120mph
Tongue	150 Pounds

## Power Capacity (RPM duty cycle dependent)\*

Notice	actual load capacity depends on rpm and rotor temperature
Maximum displayed power	9999 hp [kW]
Maximum displayed torque	9999 ft lb [Nm]
Peak steady-state power	400hp - cold absorber rating
Typical steady-state power range / time	200hp - cold absorber rating
Maximum RPM	2.500rpm - change of belt at pulley at generator necessary - rpm of generator is measured and any overspeed is stored and no measurement possible

### **Engine (and Absorber) Tachometers**

Range	0 - 9999rpm
Timing reference	Quartz-crystal calibrated
Resolution	0.1 RPM
Primary RPM signal	absorber mounted inductive sensor with LED
Signal compatibility	user adjustable trigger voltage and pulse type
Alternate tachometer options	no



### **Absorber and Load Control**

Absorber to Tractor's PTO coupling	via telescoping heavy-duty pto drive shaft
Absorber speed / RPM regulation	via electronic control module
Absorber method	forced air cooled (with 2 fans) eddy current absorber with PWM controlled power electronics
Bidirectional capability	yes
Power requirements (for absorber)	none
Throttle (torque/power) regulation	electronic throttle control of power, rpm and load (in%) - automatic test for specific rpm range

### **Dimensions and Weight**

Docking module assembly	steel frame with integrated trailering package
Width	<b>61</b> " (156 cm)
Length casing	51 <sup>1</sup> / <sub>2</sub> " (131 cm)
Length with tongue	83 <sup>1</sup> / <sub>2</sub> " (213 cm)
Height (at input shaft) - typical	27" (69 cm)
Height (casing+wheels) - typical*	<b>57</b> <sup>1</sup> / <sub>3</sub> " (146 cm)
Weight	~1500 lbs (680 kg)
*May slightly varry depending on the tire pressure	

### **PRUFSTAND OS - Software**

Features	easy to use one screen touch operation - no extra laptop/PC necessary
Notable trademarks	Yes, OE screen on request
Software versions	2.0.0.1 - OTA (over the air) - Updates & new features free for lifetime
Test functions	Customized cycle programs available

### **Console and Computer extras**

Computer housing	yes
Screen	9.7" Touchscreen unit
Wireless remote operation	End 2016
Wireless keyboard	optional
USB kit	yes
Printer Kit	Thermal printer