

# **Packet Addition for 01-14-2020**

# Business Agenda

**Fire Department Requests  
approval to purchase  
Skid Unit for Utility 1**



Peninsula Township Fire Department  
14247 Center Rd.  
Traverse City, Michigan 49686  
PH: 231-223-4443  
*firechief@peninsulatownship.com*



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Re: Skid Unit for Utility 1

January 8, 2020

Dear Township Board,

I am writing to request approval to purchase a skid unit for the bed of Utility 1. A skid unit is a unit that slides into the bed of the truck, has a 200-gallon water tank and a pump, the unit also has the ability to carry hose and equipment for fighting wild land fires as well as giving us another vehicle that can get to fires in hard to navigate terrain. This concept was discussed when you initially agreed to purchase the Ford F-350 utility truck. It allows us to use this truck in a wide range of situations and gives the truck flexible. The truck will then be used for plowing, hauling equipment, a backup for hauling the safe boat, wildland firefighting and for getting to fires in hard to reach areas, making it a great tool for the fire department.

I have secured three bids for the skid unit:

R & R Fire Truck Repair- \$13,754.00

CSI Emergency Apparatus, LLC - \$15,942.00

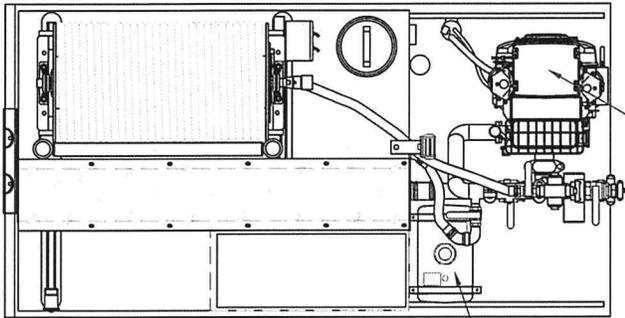
West Shore Fire Equipment- \$15,152.00

I am requesting that we go with the bid from R & R Fire Truck Repair in the amount of \$13754.00. This bid includes delivery. This bid matches all the requirements that the department placed in the bid sheet. I would ask that you also approve a budget adjustment for line item 206-000-970 in the amount not to exceed \$14000.00. In the current year's budget, we have seen an increase in some revenue line items that would cover the cost. By purchasing now, we will have the equipment ready for the potential spring and summer wildland fires.

Attached to this letter are the actual three bids along with a picture of what the unit will look like in a truck and diagram of the unit requested. I respectfully ask that you approve this request.

Sincerely,

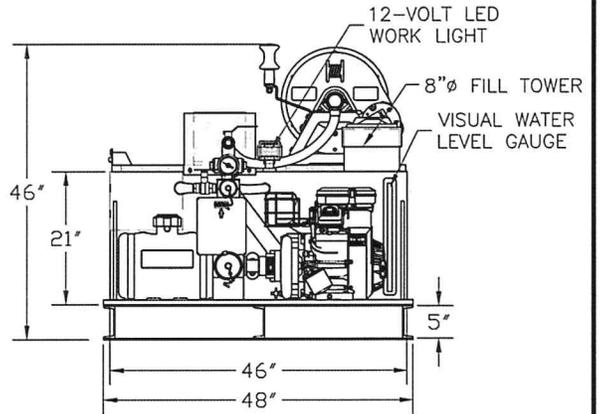
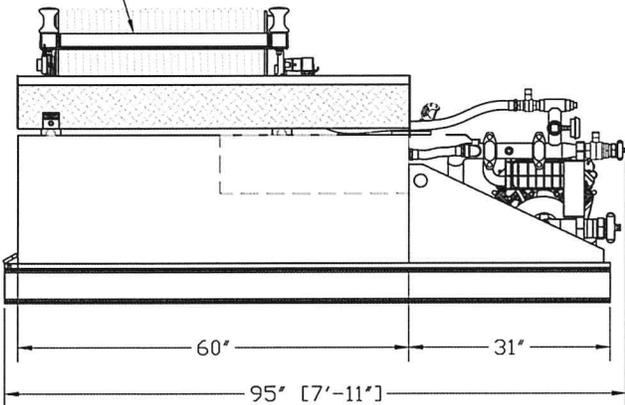
Fire Chief Fred Gilstorff



AUXILIARY PUMP  
(WATEROUS 2515LE  
W/18HP B&S ENG)

BOOSTER REEL  
(HANNAY MODEL  
EF4040-17-18)

5 GALLON  
FUEL TANK



**SALES DRAWING**  
SKID UNIT



PUMP: Waterous 2515LE w/18HP B&S Eng  
TANK: 200 Gallon Defender XL Poly  
FOAM: n/a  
BODY: n/a  
CHASSIS: n/a

FILE NAME: Clients\Skid\

ID: BID-5783

DRAWN BY: CTK

SCALE: BEST FIT

PENINSULA TWP FIRE DEPARTMENT  
TRAVERSE CITY, MI

DIMENSIONS SHOWN ARE APPROXIMATE AND SUBJECT TO CHANGE AS MAY BE FOUND NECESSARY DURING CONSTRUCTION. MINOR DETAILS MAY NOT BE SHOWN TO RETAIN CLARITY WITHIN THE DRAWING. THE DRAWING IS FOR REFERENCE PURPOSES ONLY. SPECIFICATIONS SHALL BE THE FINAL AUTHORITY OF WHAT IS SUPPLIED ON THE APPARATUS.

DATE: 12/23/2019

PAGE 1 OF 1







# WEST SHORE FIRE



6620 Lake Michigan Drive  
 P.O. Box 188  
 Allendale, MI 49401  
 (616)895-4347

WHERE SALES & SERVICE COME TOGETHER

**West Shore Fire Inc.**  
 6620 Lake Michigan Dr.  
 PO Box 188  
 Allendale MI 49401  
 Phone: 616-895-4347  
 Watts: 800-632-6184  
 Fax: 616-895-7158



**Office of:**  
 Larry Jones  
[ljones@westshorefire.com](mailto:ljones@westshorefire.com)

## QUOTATION

\*\*\*\*\*

Bill to Address	PENINSULA TWP FIRE	PO #	
		Ship Via	Best Way
Shipping Address		Date:	12/18/2019
Phone #		County:	
Fax #			
E-mail			

**QUOTE VALID FOR 45 DAYS**

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	DI-PFP-20HPHND-MR Skid unit		
1	001-PP1-014 HONDA ENGINE, ELECTRIC 20hp V-TWIN		
1	Oil drain with valve		
1	6 gallons fuel tank w/holder		
1	200 gallon water tank 48x93"		
1	Open storage in foam cell area		
1	Manifold Manifold outlet		
1	FIRE TYPE UP. 1" TF 1" fire type tank fill IPO industrial valve		
1	Manifold 1.5" FT 1 1/2" Fire type ball valve service line with cap and chain		
1	Stainless Manifold		
1	FIRE TYPE UP. 1" HR 1" fire type hose reel IPO industrial valve		
1	Suction inlet		
1	Suction FT Standard suction with one 2 1/2" fire grade ball valve		
	Stainless steel suction piping		
1	EHR LP 1" x 150' Electric low profile hose reel 1" x 150' (EF4038-17-18RT)		
1	Outriggers (set) Set of chrome outriggers w/ 3 way rollers		
150	Rubber hose 1" Rubber hose 1" (price per feet) 150 Ft		
1	NOZZLE NZ009 Kocheck nozzle NZ009 nozzle 10 to 24 gpm		
1	Poly pre-connect Poly pre-connect hose tray to hold 1 3/4" x 200'		
	Mesch net		
	Black canvas on hose tray		
1	90 degrees 90 degrees 1 1/2" swivel		
2	WORK LIGHT LED Work light LED		
	5" Poly storage frame		
	<b>Add \$975.00 for travel and Install</b>		
		Subtotal	\$14,812.00
		FREIGHT	\$700.00
		Tax (If Applicable)	
		<b>TOTAL QUOTE</b>	<b>\$15,512.00</b>

WILDLAND SKID UNIT PROPSAL FOR:

# PENINSULA TWP. FIRE DEPT.

Proposal Specification Date: January 10, 2020

Prepared by:  
CSI Emergency Apparatus, LLC  
2332 Dupont Street  
Grayling, MI 49738





**Peninsula Twp Fire Dept.**  
Wildland Skid Unit Proposal 1-10-2020

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January 10, 2020

Peninsula Twp Fire Dept  
14247 Center Road  
Traverse City, MI 49686

Attn: Chief Gilstorff

Chief,

CSI Emergency Apparatus, LLC is pleased to offer and agrees to furnish the following emergency equipment in accordance with our bid specifications described as:

- One (1) 200-gallon wildland fire skid unit.

This proposal is subject to acceptance within thirty (45) days from the date of this proposal. Extensions may be granted upon request.

Payments and terms shall be made per the following:

- Unit will be invoice at time of shipment, payment required within 30 days from invoice date.

Any order or contract resulting from this proposal shall be cancelable only under terms that will indemnify CSI from loss. Delays in delivery by strikes, war or international conflict, failures to obtain chassis, materials, or any other causes beyond our control shall not be held against CSI as the prime contractor.

One (1) CSI assembled wildland skit unit: \$ 15,942.00

All terms and conditions enclosed with this proposal and the specifications provided in the bid package shall be in effect upon signing of a formal contractual agreement.

If you have any questions, please don't hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'Scott J. Patchin', written in a cursive style.

Scott J. Patchin  
Owner  
CSI Emergency Apparatus



## Peninsula Twp Fire Dept. Wildland Skid Unit Proposal 1-10-2020

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### **WARRANTY**

#### **Materials & Workmanship:**

CSI Emergency Apparatus, LLC shall warrant the skid unit assembled by it to the original purchaser against defects in material and workmanship for a period of two (2) year from the date of delivery to the original purchaser provided the unit is used in a normal and reasonable manner.

#### **Polypropylene Water Tank:**

CSI Emergency Apparatus, LLC shall provide a polypropylene water tank from a tank manufacturer that will provide a manufacturer's direct lifetime warranty to the original purchaser. The warranty shall cover any leaking as a result of weld and/or material cracking, breaking, corrosion or tank material failure. This warranty shall be provided to the original purchaser and shall be subsequent to the unit being used in a normal and reasonable manner.

#### **Fire Pump:**

The fire pump shall be provided with a pump manufacturer's factory direct warranty as published by the pump manufacturer at the time of order. (Pump warranty information can be found online)

#### **Plumbing:**

CSI Emergency Apparatus, LLC shall warrant stainless steel plumbing discharge and intake plumbing manifolds manufactured by it to the original purchaser against defects in material and workmanship for a period of ten (10) year from the date of delivery to the original purchaser provided the unit is used in a normal and reasonable manner.

#### **Accessory Items:**

All accessory items shall be covered by the individual manufacturer's specified warranty.

### **TESTING**

After assembly and before shipping, the skid unit shall be tested for any leaks and performance.

### **DELIVERY**

The skid unit shall be delivered by CSI or by Freight to ***Peninsula Twp. Fire Department in Grand Travers County, Michigan.*** The receiver will be responsible to provide a means of removing the unit from the delivery truck.

### **TRAINING**

CSI has not included on-site training in our proposal. Please contact us for a cost if this is required.



## Peninsula Twp Fire Dept. Wildland Skid Unit Proposal 1-10-2020

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### **DROP IN WILDFIRE UNIT**

The drop-in fire unit shall be a CSI assembled drop in wildland firefighting unit. This shall be a poly tank based unit with the pump located on a poly platform behind the tank. The drop in unit shall contain the pump, plumbing, and other basic firefighting equipment as specified below. This is designed to be a contained unit that can easily be installed and removed from a department pick-up truck.

The completed tank and skid assembly shall have a footprint of 48" wide x 93" long. *(The department is responsible to confirm these measurements will fit the bed of your truck. If height is critical please provide the required overall height of the skid prior to ordering)*

### **Poly Tank:**

The skid tank shall be a CET brand tank rectangular in configuration, and shall have a capacity of **200 gallons**. The tank shall be constructed of .50" black stress relieved UV stable polypropylene sheet material. All joints and seams are to be plastic welded. The tank exterior finish shall remain black naturel poly. The exterior surface shall be a pebble finish poly.

The tank shall be baffled to meet or exceed the NFPA requirements. The baffling inside the tank shall be constructed of .375" black stress relieved UV stable polypropylene sheet material

The tank shall include an internal sump with swirl plate. This assembly shall be completely internal in the tank and not extend through the floor.

The rear bulkhead of the tank shall include the following fittings for plumbing:

- One (1) 2.5" fitting in the lower driver side corner for tank to pump and direct tank fill plumbing
- One (1) 2" fitting high on the tank for tank fill, pump recirculation plumbing.
- One (1) 1" fitting low on the tank for tank drain plumbing. (This will be provided with a 1" stainless steel NPT plumbing plug unless otherwise specified in these specifications.)

### **Skid Platform for Pump, Plumbing and other Components:**

The tank shall be designed such that the tank floor extends beyond the rear tank wall to form "shelf" area for the pump and plumbing. This shelf shall be supported by .50" pebble finish polypropylene sheet side gussets and structured such that will allow the tank, pump, plumbing and components to be removed from the apparatus as a unit without disassembly.

### **5" Risers:**

The tank skid assembly shall be purchased with 5" poly risers under the tank to provide storage under the tank as specified later in these specifications.

### **Fill Tower:**

The tank fill tower with vent overflow pipe shall be located at the rear passenger side corner of the tank to eliminate water surge out the overflow during heavy braking.



**Peninsula Twp Fire Dept.**  
Wildland Skid Unit Proposal 1-10-2020

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**Overflow / Vent:**

The tank overflow / vent shall be plumbed internal in the tank from the fill tower to the front wall of the tank. (Note: It is understood this will dump into the bed of the truck when the water dumps out the overflow)

**Tank Warranty:**

The tank shall have a lifetime warranty.

**Water Level Sight Gauge:**

A water level sight gauge (transparent plastic) shall be provided in the rear wall of the tank visible to the pump operator to allow a true tank reading.

**Open Top Tank Compartment:**

An open top tank compartment with drain holes shall be provided and located at the driver side rear corner of the tank that measures approximately 29" x 11" x 9" deep.

**Fire Pump:**

The pump shall be a Waterous brand PB18-2515 pump.

**Pump Engine:**

The pump shall be driven by a 18 horse power air cooled V-twin Briggs and Stratton gasoline engine. The engine shall be equipped with a 12-volt electric start.

**Electric Start:**

The pump engine electric start shall be provided with a plug to allow the starter to be wired into the chassis electrical system eliminating the need for an auxiliary battery to start the pump engine.

**Gas Tank:**

A 6 gallon "boat type" gas tank shall be provided and mounted to the top of the skid tank.

**Engine Oil Drain Extension:**

An extension hose shall be installed on the pump engine oil drain with plug to facilitate easy oil changes.

**Pump components and performance:**

The pump shall be a direct drive single stage centrifugal pump. The pump body shall be cast from corrosion resistant aluminum alloy. The impeller shall be a bronze impeller. The pump shaft shall be equipped with a *mechanical shaft seal* (NO EXCEPTIONS).

The pump performance shall be as follows:

135 GPM @ 75 PSI  
150 GPM @ 90 PSI



**Peninsula Twp Fire Dept.**  
Wildland Skid Unit Proposal 1-10-2020

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**Primer:**

The engine shall be provided with an exhaust primer. *(This is provided as a standard on the pump)*

**Control Panel:**

A small control panel shall be provided to for the pump engine throttle control, start button, and master pressure gauge.

**Suction inlet & tank to pump:**

Pump suction inlet: 2.5" plumbing terminating with a 2.5" FNST swivel with chrome plug with chain or cable. A 2.5" NST double male adapter shall be provided and delivered with the apparatus.

Tank to pump line, 2.5" with commercial grade ball valve. The tank to pump valve shall be controlled at the valve.

The tank to pump line and pump suction shall be plumbed such to allow the tank to be directly filled from the suction inlet without the water passing through the pump.

All tank to pump and suction plumbing shall be stainless steel.

**Discharges:**

A discharge manifold shall be provided. Each discharge on the manifold shall be provided with a commercial grade ball valve. The discharge manifold and all discharge plumbing shall be stainless steel or high pressure hose with stainless steel fittings. The discharges shall be as follows:

- One (1) 1.5" discharge terminating at the rear of the truck
- One (1) 1" tank fill / recirculation line with shall be plumbed from the discharge manifold back into the tank.
- One (1) Hannay EF4040-17-08 steel hose reel with electric rewind shall be provided and installed on top of the tank, forward of the fill tower. The hose shall deploy off the left side of the skid unit. The reel shall be valved with a 1" valve controlled at the rear of the apparatus. The reel shall include chrome hose outriggers to aid in hose deployment and spooling.

**Booster Hose:**

The reel shall include 150' of 1" standard rubber "red line" booster hose. The hose shall be coupled, one 100'-0" length and one 50'-0" length. The couplings shall be 1" NH couplings.

**Nozzle:**

One (1) 1" Task Force Tips Twister (DS1024P) pistol grip selectable gallonage nozzle shall be provided and installed on the reel. The nozzle shall have two setting, 10 and 24 GPM at 100PSI.



**Peninsula Twp Fire Dept.**  
Wildland Skid Unit Proposal 1-10-2020

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**Hosebed:**

An aluminum tread bright hosebed shall be fabricated and installed horizontally across the front of the tank, forward of the hose reel to allow the hose to be deployed off either side of the unit. The floor of the hosebed shall include black plastic drain tiles. The tiles shall be fastened to the hosebed to keep them in place when deploying the hose. The hosebed shall also include a vinyl cover. (Note: This is not preconnected unless a discharge specific for this hosebed is specified in the discharge section above.)

**Pump and Plumbing Area Lighting**

The rear pump plumbing area of the skid shall be lit with one (1) TecNic SteelHead series (P06-WBFB-1) 6-LED floodlight area work light. The light shall be located behind the reel on top of the tank. The lights shall be directed down to the pump and plumbing deck of the skid assembly. The light shall be switched by a single switch located on the small skid panel. The switch shall be labeled "WORK LIGHT".

**PUMP OPTION**

1. Option 1 is to omit the specified Waterous pump and have a CET SM-PFP-18hpVGD-MR provided in its place. (See pump literature provided with our proposal for details)

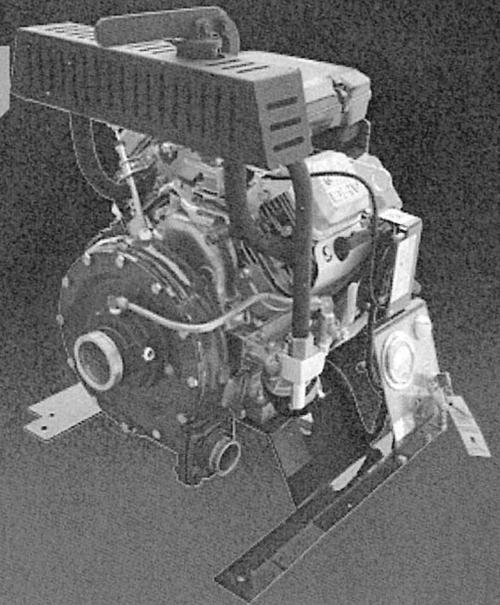
Deduct for option 1:           (- \$918.50)

# SM-PFP-18HPVGD-MR

## PRESSURE AND VOLUME PUMP

*This pressure/volume pump is the most suitable for drop-in units. The engine and pump are mounted on skid frame. The skid version is easily mountable on vehicles and trailers.*

*Also available in portable version*



## ENGINE SPECIFICATIONS

- 350000 Vanguard air cooled engine
- V-Twin cylinder, 4-stroke gasoline engine
- Electric start with recoil start as backup
- Alternator capacity: 12V - 20A

## PUMP UNIT SPECIFICATIONS

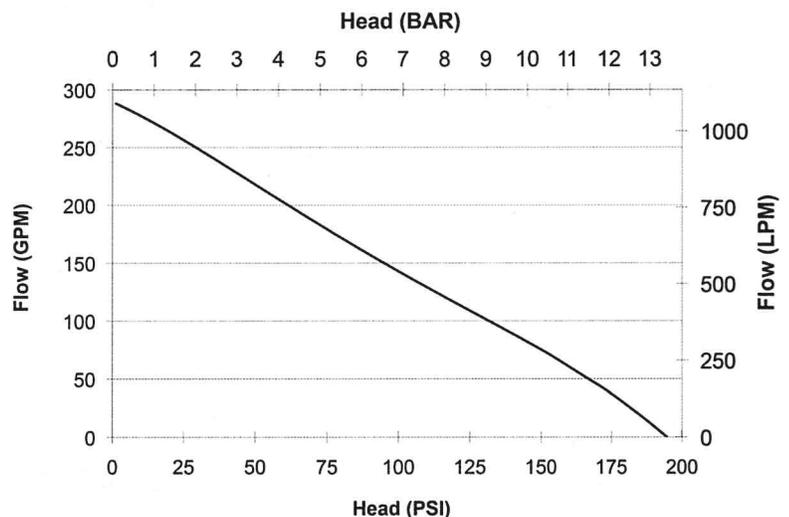
- C.E.T. single stage centrifugal pump
- Pump body made from high resistance aluminum alloy
- Bronze impeller
- Mechanical shaft seal
- Exhaust priming system, guaranteed up to 20' (6 meter) lift
- One 1 1/2" (38 mm) NPT-M delivery outlet flange
- One 2 1/2" (65mm) suction inlet
- Dimensions: Length: 20" (508 mm); Width: 21 1/2" (546 mm); Height: 25 1/2" (648 mm)
- Wet weight: 143 lbs (65 kg)

## INCLUDED ACCESSORIES

- Pressure gauge
- Low oil alert
- Quick connect for 12-V battery

## PERFORMANCE

**MAX FLOW: 280 GPM**      **140 GPM @ 100 PSI**  
**MAX PRESSURE: 175 PSI**      **75 GPM @ 150 PSI**  
**255 GPM @ 25 PSI**



## LIMITED WARRANTY

- 3 YEARS



ACCEPT ONLY THE BEST



A CENTURY  
OF ENGINEERING  
FOR THE BRAVEST

75 Hector St., P.O. Box 90,  
Pierreville (Québec)  
Canada J0G 1J0  
Phone : 1-800-567-2719  
Fax : 1-800-434-2613  
[www.fire-pumps.com](http://www.fire-pumps.com)



FOAM SYSTEMS

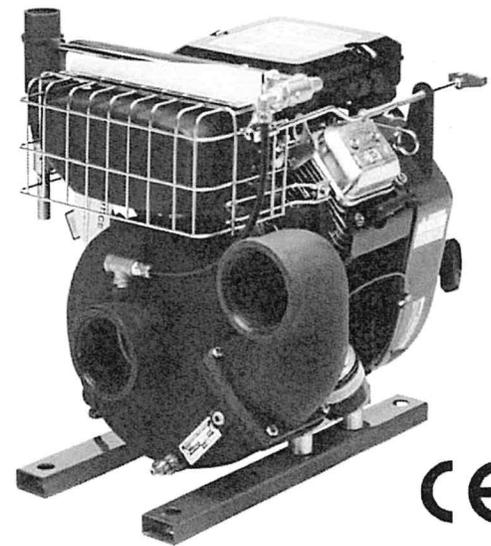
CAFSystems™

FIRE PUMPS

PORTABLE AND MOTOR PUMP

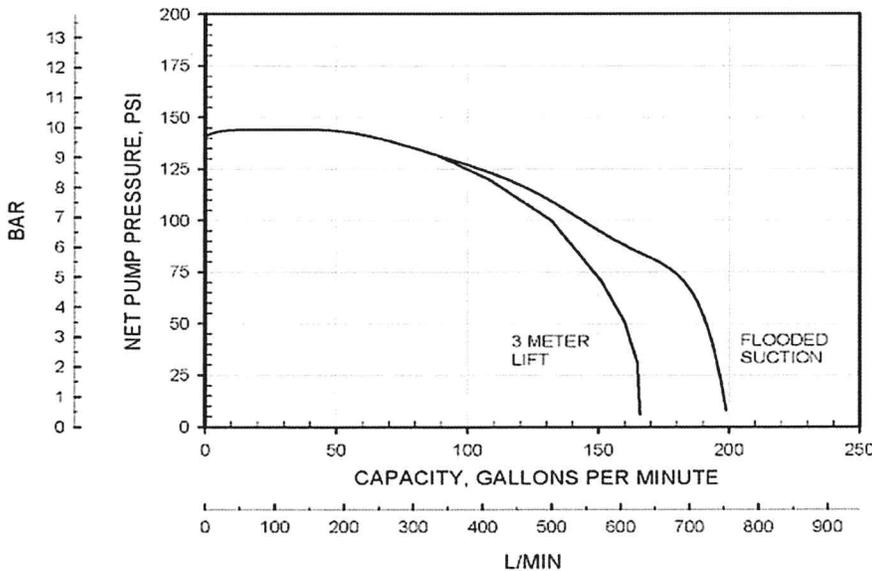
# PB18-2515 Series

Designed as combination pump, the durable and powerful Waterous PB18-2515 is direct drive centrifugal pump powered by a V-twin Briggs and Stratton® 18 HP (13.4 kW) engine available with no base or rail base option. Fuel tank is 3-gallon (11 liter) fuel tank that meets the EPA evaporative requirement (40 CFR Part 1060).



**NOTE: Wrap-Around Base Models not available in the USA or Canada.**

**Maximum Full Throttle Performance**



# SPECIFICATIONS – MOTOR PUMPS: PB18-2515

## V-Twin Muscle in a Combination Pump System



NOTE: PB18-2515 models equipped with Wrap-Around Bases are CE Marked (see below for Wrap-Around Base information).

PB18-2515 Pump Performance							
	FLOW			PRESSURE			
	GPM	l/min	l/sec	PSI	bar	kPa	MPa
Max Flow	150	600	10	90	6.5	650	.650
Max Pressure	75	300	5	135	9	900	0.9

### Pump Specifications:

**Type:** Combination  
**Intake:** 2-1/2-inch female NPT  
 2-1/2-inch female BSP tapered  
**Discharge:** Ball valve with 1-1/2-inch male NH thread (2515B)  
 Ball valve with 1-1/2-inch female NPT (2515B)  
 1-1/2-inch female NPT (2515F) (No Ball Valve)  
 Ball valve w/ 1-1/2-inch female BSP tapered (2515B)  
 1-1/2-inch female BSP tapered (2515F) (No Ball Valve)

**Console:**  
 Operator's panel includes discharge pressure gauge, compound intake pressure gauge, low oil pressure warning light, start and stop control, speed control, panel light and 12 volt outlet.

**Volute Body and Head:**  
 High-strength aluminum alloy, anodized for superior corrosion resistance.

**Impeller:**  
 High-strength, corrosion-resistant bronze, fully-enclosed, double-hubbed to balance hydraulic thrust, mechanically balanced to eliminate vibration.

**Wear Rings:**  
 Long wearing bronze. Easy to replace when required to restore original pump efficiency.

**Shaft Sleeve:**  
 High-strength stainless steel.

**Shaft Seal:**  
 Spring loaded mechanical type.

**Priming:**  
 Combination spark arresting muffler and exhaust primer, fast and easy to use. Quarter turn bronze priming valve, operates with push/pull knob. Standard on wrap-around. Optional on no base and rail base.

### Warranty

Waterous Two-Year Limited Warranty

### Conditions of Sales

For details on Waterous Condition of Sales, refer to F-2190, *Conditions of Sales* located on the Waterous web site at [www.waterousco.com](http://www.waterousco.com) or by contacting Waterous.

### Dimensions:

Base Type	Length (in/cm)	Width (in/cm)	Height (in/cm)	Dry Weight (lb/kg)	Ship Weight (lb/kg)
Rail	19-1/4 (48.9)	19-1/2 (49.5)	20 (50.8)	111 (50.5)	148 (67.3)
Wrap-Around	31 (78.7)	20-1/2 (52.1)	21-1/2 (54.6)	133 (60.5)	161 (73.2)
No Base	19 (48.3)	19-1/2 (49.5)	19 (48.3)	106 (48)	143 (64.9)

### Engine Specifications:

**Engine:**  
 Briggs & Stratton, model 356447, Vanguard V-Twin, air cooled, overhead valve (OHV) design delivers a maximum output of 18 HP (13.4 kW) @ 3600 RPM. 34.75 cu. in. (570 cc) displacement, 4-cycle, gasoline fueled, horizontal shaft.

**Lubrication:**  
 Full pressure lubrication system with an automotive style oil filter. Oil fill tube with dipstick.

**Starter:**  
 12-volt electric and manual recoil.

**Alternator:**  
 16 A

### Bases:

**Rail (Standard):**  
 Rigid steel channels. Control panel and fuel tank shipped loose.

**No Base (Optional):**  
 Control panel and fuel tank shipped loose.

**Wrap-Around (Optional) NOT AVAILABLE IN THE USA OR CANADA:**  
 Tubular steel design to protect pump and engine from roll over damage. Swing away handles with vinyl grips that lock in either carry or stowed position. Includes control panel, battery tray and integral fuel tank with fuel level gauges. Optional mast light is available.

### Fuel Tank:

**Rail or No Base Models:**  
 All PB18 models (except PB18-LE) with Rail or No Base will have a shipped-loose, 3-gallon (11 liter) fuel tank that meets the EPA evaporative requirement (40 CFR Part 1060).

**Wrap-Around Base Models (NOT AVAILABLE IN THE USA OR CANADA):**  
 PB18 models with Wrap-Around Base will have an integral 3-gallon (11 liter) fuel tank with fuel level gauge.

# **Fire Department Requests approval to purchase and install dash cameras**



Peninsula Township Fire Department  
14247 Center Rd.  
Traverse City, Michigan 49686  
PH: 231-223-4443  
*firechief@peninsulatownship.com*



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Re: Dash Cams for vehicles

December 10, 2019

Dear Town Board,

In the past year, department vehicles have been involved in a couple of accidents. These accidents were investigated but information was limited to witnessed accounts. One accident that involved one of the ambulances did not have any witnesses and the person who struck the vehicle left the scene. Upon doing research and at the recommendation of a few board members, it was recommended to research the cost of dash cameras to potentially catch on video the incident as it happens. This is not the only value to having the camera's, having the cameras face an accident or fire scene can also be used as a great training tool for staff to improve on their assessments and skills at an emergency.

Attached to this letter is three different prices and options for cameras. After doing research, I believe the best camera for our operation would be the FireCam HD Dash Cam Wi-Fi through the online store The Fire Store. For ten cameras, the price would be \$2299.50 which equates to \$229.95 a vehicle. I am requesting we approve this purchase and amend the fire budget line item 206-000-970 for the amount not to exceed \$2400.00.

The purchase of these cameras will go along way in helping us find the reason for an accident and help us to train to assure a future chance of an issue is decreased. The potential to help us train on certain events with video tape can greatly enhance how we deal with certain situations. Drivers of fire apparatus are constantly training on safe driving practices; these devices can improve our desire to operate in a safe manner. Safety is a key element we strive for, any information that can make us a better operating fire department is parliament to our success. Please approve this request.

Sincerely,

Fire Chief Fred Gilstorff



**Witmer Public Safety Group**

104 Independence Way  
 Coatesville, PA 19320  
 Phone: (800) 852-6088  
 MAELENE M (800)852-6088 X1154  
 mmiller@wpsginc.com

Quote ID: 601987  
 Date: 11/21/2019  
 Sales Person: MAELENE M  
 Customer Id: PENTWP6

**Bill To:**

ATTN: Kyle Sarber  
 Peninsula Twp Fire Department  
 14247 Center Road  
 Traverse City MI 49686  
  
 Phone: (231) 360-1380  
 E-Mail: ksarber2@gmail.com

**Ship To:**

ATTN: Kyle Sarber  
 Peninsula Twp Fire Department  
 14247 Center Road  
 Traverse City MI 49686

**FIRE CAMS**

Quantity	Item ID	Description	Unit	Amount
10	FC-DASHCAM	FireCam HD Dash Cam Wi-Fi	229.95	2,299.50

\*\*\*DUE TO MANUFACTURER RESTRICTIONS WE ARE  
 UNABLE TO DISCOUNT THIS ITEM\*\*\*

LEAD TIME: IN STOCK  
 FOB: COATESVILLE, PA  
 PAYMENT TERMS: CREDIT CARD, NET 30 FOR APPROVED  
 ACCOUNTS

**ACCEPTANCE OF QUOTATION**

The above prices, specifications, and conditions  
 are satisfactory and are hereby accepted.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Quotation is valid until December 21, 2019

Subtotal: 2,299.50  
 Freight: 25.00  
 Tax: 0.00  
 Total: 2,324.50

Enjoy Free Economy Shipping on Orders \$100+, no promo code needed. Our Warehouse, Showrooms, & Call Center will be closed Thursday, Nov. 28th for Thanksgiving. We will open for normal business hours Friday, Nov. 29th.

Hello, Guest! [Login \(https://www.thefirestore.com/myaccount/login.aspx\)](https://www.thefirestore.com/myaccount/login.aspx) [Register \(https://www.thefirestore.com/signin.html\)](https://www.thefirestore.com/signin.html) [Check Out \\$2438.49 \(/store/cart.aspx\)](https://www.thefirestore.com/store/cart.aspx)



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Details | Reviews | Product Q&A

#### Fire Cam HD Dash Camera Wi-Fi with 32GB SD Card

The NEW Fire Cam HD Wi-Fi Dash Camera for fire apparatus or Chief vehicles. This new camera can record in 1080p HD, has an option for the date and time and vehicle name on the video, a built in "G" sensor which automatically save the file in case of an accident, has "loop" recording so it can start recording over the first videos in case the SD card gets full and also has built in Wi-Fi so you can see a live preview, change the settings or even delete files if needed.

This is a must have for any fire apparatus or chief's vehicle. Protect your fire department if you need to go to litigation for an incident! This camera is made of anodized aluminum and NOT cheap plastic like other dash cameras. It will hold up in the heat of your vehicle in the summer.

#### Optics:

- FISHEYE view @1080p (default) Mode
- Ultra Wide Angle view @720p Mode
- Lens aperture f/1.8, fixed focus glass lens
- Optical lens: ø18mm FISHEYE Lens
- Lens Construction: 6 Elements
- Angle of view: 160° (diagonal)

#### Video:

- Full HD Resolution Settings: 1080p: 1920 x 1080 @ 30fps
- HD Resolution Settings: 720p: 1280 x 720 @ 60fps

- Digital Video Motion Stabilization Technology
- Anti-Shaking (Stabilizer)
- Video Format: H.264 (avc1) / MOV
- Exposure Control: Auto
- White Balance: Auto
- G-Sensor

Audio: Built-in microphone

Storage:

- Memory: Micro SD card, up to 64GB capacity (recommended Class 6 or above)
- Avg. Record Time: 5~10min/GB

Battery: 3.7V 850mAh Li-Po Built-in

Wi-Fi: (IEEE) 802.11n

Operating System (for USB drive): WIN XP, 7, 8, Vista; Mac OS X 10.8.4+

What's included:

- Main Controller and Camera
- Main Controller Flat Mount
- 3M VHB Adhesive Type-A (Pre-Fixed)
- Sensor Data Cable 78 Inch (2 Meter)
- Interchangeable Lens Module and Lens Cable Lock 6. 360 Lens Flat Mount
- 3M VHB Adhesive Type-B (Pre-Fixed)
- 6 Adhesive Cable Holders
- 12V Vehicle Power Supply
- Windshield Suction Mount
- 32GB SDHC card

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## Top Dawg TD 1080P Quad DVR Dash Cam — 4 Cameras, 2.7in. Color TFT-LCD Monitor, Model# TDCAMDUAL4

Item# 65665 ★★★★★ New — [Write a Review](#)



Only \$259.99

**Ship It**  
 Factory Shipped —  
 Estimated Delivery: 3 - 5 Business Days

- Records all that you see and hear, so you have recorded evidence of any incidents
- 130° lens cameras for dash
- 120° lens waterproof cameras for inside or outside of vehicle
- 30ft. cable allows flexible positioning of third and fourth cameras
- 16 GB SD card included can be replaced with a card up to 128 GB

### Product Summary

This Top Dawg TD 1080P Quad DVR Dash Cam includes 4 cameras to record 4 viewpoints at the same time. This unit serves as your personal black box, recording all that you see and hear, so you have recorded evidence of any incidents and can protect yourself against fraudulent claims. The main 130° lens cameras are designed to position on each side of the windshield and provide a complete forward view. The other 2 cameras can be positioned either inside or outside the vehicle, such as on each side view mirror via the included 30ft. cable. Night assistance LEDs allow clear recording in the dark. This unit includes a 16 GB SD card, but the card slot can accommodate a card up to 128 GB. The 2.7in. color FTF-LCD monitor includes an anti-theft option with motion sensor. G-sensor technology senses an accident or collision and automatically saves footage of the incident. The SOS feature allows you to save and protect footage at the push of a button. This unit is easy to install. Attach the main cameras on the windshield via the included heavy-duty suction mounts, adjust cameras to face forward, and plug them into the main unit. Then plug the power cord into the cigarette lighter. Next plug the 2 additional cameras into the main unit and use the 30ft. cable to position them to your preference, on the inside or outside of the vehicle.

### What's Included

(1) Dash cam system with 4 cameras, monitor and 30ft. cable

### Features + Benefits

- Records all that you see and hear, so you have recorded evidence of any incidents
- 130° lens cameras for dash
- 120° lens waterproof cameras for inside or outside of vehicle
- 30ft. cable allows flexible positioning of third and fourth cameras
- 16 GB SD card included can be replaced with a card up to 128 GB
- 2.7in. color FTF-LCD monitor with anti-theft motion detector option
- G-sensor technology senses an accident or collision and automatically saves and protects footage of the incident
- SOS feature allows you to save and protect footage at the push of a button

### Key Specs

Item#	65665	View	130°
Brand	<a href="#">Top Dawg Electronics</a>	Color	Yes
Manufacturer's Warranty	1 year Limited Warranty	Monitor Type	Color TFT-LCD
Ship Weight	2.0 lbs	Camera (qty.)	4
Product Type	Camera/DVR		

Monitor Dimension (in.) 2.7

Compare with Most Popular Semi-Truck Cab Cameras

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Item# 65665



Top Dawg TD 1080P Quad DVR Dash Cam — 4 Cameras, 2.7in. Color TFT-LCD Monitor, Model# (Not Yet Rated)

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Item# 65658



Top Dawg Digital Wireless Backup Camera System — 1 IR Camera, 7in. Color TFT-LCD Monitor, (Not Yet Rated)

Only \$229.99

Item# 65663



Top Dawg Wireless License Plate Backup Camera — 1 Camera, 4.3in. Color TFT-LCD (Not Yet Rated)

Only \$129.99

Item# 65662



Top Dawg Wired Backup License Plate Bracket Camera — 1 Camera, 4.3in. Color TFT-LCD

★★★★★ (1)  
Reg. \$99.99  
Sale \$59.99

Save \$40.00

Item# 88204



Peak Dash Cam with 2.4in. Color LCD Monitor — Swiveling Suction Cup Mount, Model# PKCOVER

★★★★★ (1)  
Reg. \$74.99  
Sale \$39.99

Save \$35.00

Product Type	Camera/DVR	Camera system	License plate camera	License plate camera	Dash cam
Monitor Dimension (in.)	2.7	7	4.3	4.3	2.4
View	130°	130°	170°	170°	-
Color	Yes	Yes	Yes	Yes	Yes
Monitor Type	Color TFT-LCD	Color TFT-LCD	Color TFT-LCD	Color TFT-LCD	LCD
Camera (qty.)	4	1	1	1	1
Product Weight (lbs.)	-	-	-	-	3



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## EAGLEEYE TRIPLE DASH CAM SYSTEM

3 reviews

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Top Dawg Electronics

Product #: 63958

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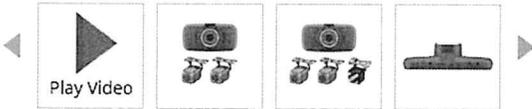
\* Choose SD Cards:  
64GB Included (2 SD Cards) v

\* Choose 4th Camera:  
Not Included v

Quantity:

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*Peril*



### PRODUCT DESCRIPTION

#### EagleEye Triple Dash Cam System

This dash cam acts as your vehicle black box, recorded videos are time and date stamped to prevent fraudulent claims and traffic tickets!

- Record From 3-4 Viewpoints In HD Video Quality
- Includes:
  - Main Dash Cam with 4.0" LCD
  - 3 Cams - Available With 4th Camera (Choose Option Above)
  - Outside Cameras Are Waterproof With 30 Foot Cable
  - Includes 2 SD Card Slots
  - 1 Cigarette Lighter Mobile Charger
  - 1 Heavy Duty Windshield Mount
  - 1 USB MicroSD/SD Card Reader
  - 1 Remote (All Allow Driver To Lock Videos, Turn Off Recording & More)
  - 1 User Manual
  - GPS Antenna To Track Vehicle Speed And Location!
- Uses Only 1 Power Source For Main Dash Cam That Plugs Into 12V Cigarette Lighter Charger
- Track Your Speed And Location With The Included GPS Antenna
  - Includes 2 Micro SD Card Slots
- Rewards with 32GB, 64GB Or 128GB Memory (Choose Option Above)
- Record 360 Degrees Of Coverage

- Sold As A Kit
- Quality Made Product

#### Specs

- Video Main Camera: MP4 Format, 1920 x 1080 @ 30 fps
- Video Second and Third Camera: MP4 Format, 1280 x by 720 @ 30 fps
- Optional 4th Camera: MP4 Format, 640 x 480
- Viewing Angle: Main Camera 170 Degree, 2-4 Cameras 140 Degree
- Display: 4.0" 16:9 Colorful LCD
- SD Card: Dual MicroSD Card Slots. You Can Have Up To A 128GB MicroSD Card In Each SD Card Slot
- Length Of Recording Time On SD Cards:
- 5-7 Hrs With 32GB
- 10-14 Hrs With 64GB
- 20-28 Hrs With 128GB
- Video Format: MP4
- 2nd, 3rd, \*4th Cam Wire Length: 19' Feet
- G-Sensor & SOS Button: Included
- Interface: USB. 2.0, AV-IN, GPS
- Internal Microphone: Included (Main Camera Only)
- Operation System: Windows ME/2000/XP/Vista Or Above
- Continuous Loop Recording: Included
- Motion Detection: Included
- Power: DC5V
- Loop Recording: Included
- Battery Use Time: Up to 5 Minutes (Not Designed To Be Used Without Charger)

We all know that this technology has been used by police officers for years to protect them, why shouldn't you use that same technology? If your insurance company or judge wants evidence of a traffic ticket or accident, you will now have time and date stamped video that will assist you! And with the EagleEye 4, you can provide 3 or 4 viewpoints to the police or insurance company to prove what actually happened!

If you should need additional Truck Parts and Accessories, please don't hesitate to call our toll-free number 1-888-659-9466

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# Discussion of Playground Equipment at Parks

**Peninsula Township Parks Committee  
2020 Playground Development Project  
For  
Bowers Harbor Park  
Haserot Beach Park**

**Introduction:**

Peninsula Township's Recreation Plan of 2017 "... is intended to identify the Townships highest recreation priorities ..." The action plan to implement these priorities calls for "repairing and replacing playground structures" in the North and South playgrounds as well as at Haserot. While a Recreation Passport grant was applied for in 2019 it was rejected. Thus our Township must undertake the rehabilitation of our parks on its own.

To that end the Peninsula Township Parks Committee is recommending the following budget and implementation schedule.

**Background:**

The existing playground equipment at Bowers Harbor Park and Haserot Beach Park has brought children over several generations much enjoyment. However, much of the equipment is outdated, or in need of significant repair. The goal of the Parks Committee is to plan, design and implement this plan by June 2020. In our planning process we expect the new project will be developed for people with disabilities (ADA approved).

**Projected Cost:** Through communication with the Grand Traverse Recreation Department and independent evaluation the likely cost to modernize and update the two parks will be \$200,000. (It is the intention that the development at Haserot Beach Park will occupy approximately the same space that is used presently.)

## **Time Line**

### **January:**

After study and review the subcommittee shall report to the full Peninsula Township Parks Committee. The Committee will, upon evaluation, recommend that The Peninsula Township Board recommend budget approval.

**February:** Three to four vendors will be consulted for specific planning and design specifications at both parks. Safety surfaces and protection will be expected of the vendors. The subcommittee will review these and request further details or modifications if needed. Community input will be engaged.

After approval from and budget commitment from Town Board, if additional funds are required members of Parks Committee will seek targeted external funding.

**March:** The full Peninsula Parks Committee will review the development and modernization plan and, if deemed appropriate, will recommend to the Town Board final approval.

**April:** Removal of old equipment and structure. Grading and preparation and siting at both parks.

**May:** Installation of new structures and equipment.

**June:** Ribbon cutting and community celebration.

While this is recognized as an aggressive project timeline the Parks Committee's goal is to have these improvements completed so as to be used and enjoyed by our residents and taxpayers during peak season of this year.