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t. 940.683.5477

QUOTE

Number BMIQ3077
Date Feb 7, 2020

Bill To / Ship To

HGAC/Houston Galveston Area Council
Neal Witty
3555 Timmons
Houston, TX

End User

HGAC/Houston Galveston Area Council
Neal Witty
3555 Timmons
Houston, TX

Phone 832 681 2554

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Here is the quote you requested.

Salesperson	Quote Good Through	Ship Via	FOB
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JR

5/7/2020

Qty	Description	Unit Price	Ext. Price
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1	40 cu yd Frontier Front Loader Commercial	\$107,845.00	\$107,845.00
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Complete With All Standard Equipment Including: Vane Pump, LED Lights - Strobe Array, Strobe Light, Work Lights, Body Side Ladder & Clean Out Door, Tailgate w/ Rubber Seal, Clean Out Sump, Hydraulic Sliding Hopper Cover, Replaceable Fork Bushings, 10,000 lb Clamp-On Arms.

With the Following Options:

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Safety - 2 Camera System locations hopper and tailgate

Safety - Fire Extinguisher - 20 lb Body Mounted Street or Curbside

Body - Service Hoist

Sump - Clean Out doors 6" x 20" mounted on curb side only

Full Eject Blade

FEL Canopy Sweep

Option not included Hopper Brushes add 630.00

Option not included Variable Displacement Piston Pump add 2100.00

Option not included 42 yd body add 1800.00

Option not included 45 yard body add 2600.00

Option not included Adjustable Forks - Hydraulic add 3788.00

Option not included Air Lift Axle 13k (Steerable and Non-Steerable) add 9200.00

Option not included CNG Tank Installation 75 dge add 37,071.00

Option not included Safety - 1 Camera System add 650.00 per camera

Option not included Tool Box add 422.00

Option not included UCAN w/ Auto-load Arm Control add 40,904.00

Option not included Split U-Can add 10,000.00

Option not included Split front loader body 50/50 add 29,000.00

Continued On Next Page ...

Qty	Description	Unit Price	Ext. Price
One year warnty for parts and labor no freight is included		SubTotal	\$107,845.00
		F.E.T.	\$0.00
		Shipping	\$0.00
		Total	\$107,845.00

PRICES SUBJECT TO CHANGE - PRICES BASED UPON TOTAL PURCHASE - ALL DELIVERY, TRAINING TO BE BILLED AT PUBLISHED RATES FOR EACH ACTIVITY INVOLVED -
GENERALLY ALL COMPONENTS PROPOSED ABOVE ARE COVERED BY A LIMITED ONE YEAR WARRANTY, ON PARTS AND LABOR.- BMI WILL NOT BE LIABLE FOR ANY LOSS OF
PROFITS, BUSINESS, INTERRUPTION OF BUSINESS, NOR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RELATED TO THIS AGREEMENT.

The intent of these specifications is to cover minimum requirements for a new unused full eject style front load body for lifting and dumping 2-8 yard standard industry containers. Failure to complete this information is grounds for rejection of the bid. Bidders are requested to state wherein your equipment meets or fails to meet the specifications by checking 'Yes' or 'No' in the provided space. Any exceptions must be noted in the 'Offered' column			
Overall Dimensions	Yes	No	Offered
Body length with arms up will not exceed:			
40 cu yd. = 295" including tailgate (excludes canopy)			
Body height with arms up is 120.5"			
Body height with arms down is 114"			
Body width outside is 101.75"			
Body width inside is 97"			
Upper hopper inside width is 83"			
Upper hopper opening is 87"			
Body	Yes	No	Offered
Body can dispense a load by means of hydraulic ejection.			
Total Capacity (Including 10 cu yd. hopper): 40 cu yds.			
Body floor is $\frac{3}{16}$ " AR-400. Floor is tapered 4 $\frac{1}{2}$ " front to back for easy unloading.			
Floor cross members are formed from 6" x 3" x $\frac{3}{16}$ " high tensile plate interlaced in 6" x 3" x $\frac{1}{4}$ " tubing long members on 14" centers throughout the hopper area.			
Body sides are $\frac{3}{16}$ " AR-235 rolled into a broad radius with an 8" lip formed in the top to make up outside of roof.			
Body posts are formed 6" x 4" x $\frac{3}{16}$ " channels using high tensile plate.			
The first 24" of the body roof is $\frac{3}{16}$ " hi tensile steel plate rolled into a broad radius for added strength. Body rear roof sheet is 10 Ga. high tensile steel plate rolled into a broad radius.			
Body roof cross members are formed 6" x 4" x $\frac{3}{16}$ " channels made from high tensile plate.			



A one-piece canopy is bolted to the front of the body to protect the cab. A service hoist is standard to lift the body to be able to tilt the cab.			
Hopper	Yes	No	Offered
The hopper measures 95" long and 97" high with a 10 cu yd. capacity.			
Lower hopper sides are formed from a minimum of 3/16" AR-400 plate 60" high x 96" long rolled into a broad radius for strength and material flow.			
Upper hopper sides are formed from 3/16" high tensile steel plate.			
Hopper floor is 1/4" AR-400 hopper floor material covering the entire hopper area and extending 24" into the body.			
Hopper front is completely enclosed 14 Ga. sheet metal/expanded metal for viewing behind the packer.			
Hopper access door is hinged and covers a 24" x 36" opening on the driver side of hopper. Door has an interlock switch to shut down the system when open.			
The sliding hopper cover opens automatically when raising arms but must be closed with the cab control switch. A pressure limiter on the extended stroke of the cylinder is used to protect the cylinder and the door. Hopper cover is made with 2" square tubing and 14 ga sheet metal.			
Hopper cover skids are a 1" black UHMW strips bolted to the tubing frame.			
Packing Mechanism	Yes	No	Offered
Packing force is 23 lbs. per square inch. The packer is constructed using a tube frame assembly with black UHMW adjustable side skid plates to correct any developed looseness without removing the packer from the body. Packer structural tubing frame measures 82" x 80". Lower packer plate is 1/4" AR-400 plate. Upper packer plate will be 3/16" AR-400 plate. Bottom wear plates are 3/8" x 3" x 42" AR-400 plate. Top wear plate is 1/4" x 2" x 2 x 42" AR-400 plate. Side wear plates are adjustable 1-1/2" x 3" x 42" black UHMW. The packer panel cycle time is 48 seconds.			
Two (2) 6- 1/2" bore x 184" stroke 3-stage packer cylinders are mounted horizontal and lay across the width of the hopper in a standard scissor arrangement. The packing force of each cylinder is 74,500 psi.			

Loading Arms and Forks	Yes	No	Offered
Over the cab arms are rated at 10,000 lb. capacity and come to a progressively slow stop before coming in contact with the rubber arm stops. Extra-long arm pivot shaft bushings are fixed. Arms are clamped to the shaft for easy dis-assembly and for timing the left and right arms together.			
Loading arms are constructed from flame cut pieces welded into a box frame design 3 1/2" thick and 10" wide.			
The arm pivot shaft is constructed of 4 1/2" OD x 1/2" wall D.O.M. round tubing. Two (2) pivot bushings a minimum of 12" long to prevent wear of the bushings or pivot shaft.			
The forks are constructed of 1 1/2" T-1 plate, 53" long and tapered at the end. The tips of the forks at the dump position are not to exceed 13' 6" from the ground. Forks rotate inside replaceable aluminum bronze split bushings that bolt to arms with 4 each 3/4", grade 8, bolts on each side. Fork shafts are 4 1/2" OD x 1/2" wall D.O.M. grade steel tubing.			
Arm cylinders: Two each 4" bore x 42" stroke x 2" rod Fork cylinders: Two each 3" bore x 24" stroke x 1- 3/4" rod			
Arm and fork cylinders have spherical bearing rod ends to relieve side load.			
Full cycle time for arm/fork operation is 12 seconds at 1200 RPM.			
Tailgate	Yes	No	Offered
Tailgate is a (1) piece, bubble style, top hinged. Tailgate uses 3/16" AR-235 plate framed with 5 1/2" x 5 1/2" x 3/16" C channel, secured to the body using two (2) sets of hinges with 1 1/2" hinge pins at the roof line. The door is secured in the closed position by means of separately controlled horizontal lock pins. A heavy duty rubber seal is installed along the bottom and partially up the side 24" to prevent leakage. Tailgate cylinders are 3" bore x 18" stroke and roof mounted to allow for a wider body. Lock cylinders are 3" bore x 4" stroke.			
Service Hoist	Yes	No	Offered
Service hoist raises the front of the full eject body 24" using (2) each 3- 1/2" bore x 2" rod single acting hydraulic cylinders mounted outside the chassis frame. Body stands are installed for protection. The hoist is activated by an electric toggle switch located in the cab.			

Hydraulics and Controls	Yes	No	Offered
The hydraulic pump is a Vane type that flows 42 GPM at 1200 RPM.			
The directional valve for the arms, forks, hopper cover and packer is a Parker Model VG35 with integral relief set at 2250 PSI. The directional valve for the hoist, tailgate and tailgate lock is a Hydraforce cartridge/manifold.			
Hydraulic reservoir is a 53-gallon, frame mounted, steel construction tank with internal baffling, sight level gauge, by-pass gauge, and air breather.			
Hydraulic reservoir is also equipped with a 90 gpm 10 micron return filter with fiberglass media. Filter housing bowl is welded to top of reservoir to eliminate need for a gasket. Reservoir has a mesh 100 gpm suction strainer.			
Hydraulic hoses are Parker tough cover or equal with "bite wire" type crimped fittings with a nylon guard in tight areas. All hoses over ½" are 4 wire mesh. Stainless steel tubing is used wherever possible and held in place with shock absorbing bolt-on clamps. All hose ends, tubing and adapters have JIC 37-degree flares. Pipe thread or flat-faced O-ring seals are not acceptable.			
All cylinders and valves shall have straight thread O-ring boss porting. Cylinder pin material is stress proof C1144.			
Arm/Fork controller is a 4-way metering air joystick controller mounted separately from the other controls. The controller is mounted with an arm rest pad within comfortable reach of the driver. The Flodraulic brand controller shall communicate with the hydraulic valve air shifters in a metering function providing more control of the loading process.			
The fork dump control is locked out unless the packer is fully retracted to prevent dumping behind the packer.			
The System Reset button must be pressed after starting the truck to activate any and all functions.			
A cab mounted air/water separator is used to protect pneumatic components.			
Packer cycle consists of a cycle start button and emergency stop button. Cycle will rev engine automatically to 1200 RPM if the truck is in neutral. The packer will automatically cycle through the hopper and return to the retracted home position.			

Miscellaneous controls for the hoist and tailgate are operated by electric toggle switches with a built-in safety feature. Hopper cover is also run by an electric toggle switch and opens automatically when raising the loader arms.			
Indicator lights and alarms mounted on the console will be provided for hoist up, pump on, and tailgate unlocked. Tailgate unlocked switch will be wired to an audible alarm.			
Lighting	Yes	No	Offered
All lighting shall meet or exceed DOT and Federal Safety Standards.			
Clearance, back-up and directional lighting is Grote, anti-shock lens mounted in a protective housing, that is pop-out and replaceable.			
Lower tailgate will have grommet mounted 4 ½" round LED lights consisting of red stop lights. Back up, tail and turn lights are also cab operated strobe lights.			
Upper tailgate will have grommet mounted 4 ½" red stop, tail and turn, amber strobe, three (3) each of a 6" oblong red LED stop and tail lights in the center and 2 ½" upper rear clearance markers.			
Clearance lights are 6" oblong red LED lights for rear clearance, turn signals.			
Paint	Yes	No	Offered
The completed unit is cleaned, and all weld slag removed. The unit is acid washed and dried before primer is applied.			
2 coats of Endura direct to metal urethane primer are used. The entire body is sanded to ensure a smooth finish.			
Endura single stage urethane top coat is applied, and the body is baked dry. Body is clear coated after paint for shine and protection.			
Miscellaneous	Yes	No	Offered
An access ladder is provided on the right hand side of body, OSHA approved with 12" wire and 7" deep rungs.			
CNG Installation	Yes	No	Offered
A 60-120 dge capacity CNG fuel system is installed in an approved tank enclosure and includes a regulator, pressure gauges, fuel spout and control box. The certified enclosure is a prefabricated steel or aluminum box with a hinged access door and positive latch.			