BID FORM Bid #TF-2021-11

Purchase of Trailer Mounted Bypass Pump DUE DATE: January 12, 2021 at 3:00 PM

Total Cost
\$ 56,245
rchase Order:
T FOR PROPOSED EQUIPMENT***
enda to the Specifications: ENDUM NO. 4 DATED I 7 20 2 ENDUM NO. 5 DATED ENDUM NO. 6 DATED
submit this bid, that this bid has not been ontent of this bid as to prices, terms, o any other bidder prior to the official opening
ouglas Baktholomew Printed Name
CE PRESIDENT
1/11/2021

TECHNICAL SPECIFICATIONS

6" Dri Pump, trailer mounted

1. Diesel Engine (Final Tier 4 engine) 2. Vacuum Assist 3. Electric brakes & connectors 4. Bumper pull 2-5/16 Ball 5. Lights (Tx DOT Standards) 6. Fuel Gauge 7. Fuel Transfer Direct QSB 8. Tongue Jack (extra lifting jacks) 9. Start and Stop Float level control 10. Fuel fill tank & cap 756 11. Engine Control Panel 12. 2,000ft of Black lay flat hose, ball w/ lever connection 13. 2- 6" 45 degree elbow –Ball w/ lever x socket 14. 2- 6" 90 degree elbow – Ball w/lever x socket DSB 15. 2-20ft Suction hose with screen DG 16.1 - Road Crossing 12 ft Span (6" 150 # flange connections 150 PSI rated) 17.1-8" flg x 6" FQD DSB 18.6" Female QD x 6" 150 # flange adapter 756

19. 1 – 4" flg x 6" FQD 756 20.1-6"FQD x 6" FQD DSB max USA. Inc

BIDDER'S EXCEPTION FORM Bid #TF-2021-11

Purchase of Trailer Mounted Bypass Pump

This form must be completed and signed by an authorized representative of the company. Failure to do so may cause total bid to be rejected. If no exceptions are proposed, indicate by stating "No Exceptions to Specifications" and sign in the appropriate space.

STATEMENT OF BIDDER: WE PROPOSE THE FOLLOWING EXCEPTIONS TO THE SPECIFICATIONS

<u>ITEM</u>	PAGE/ PARAGRAPH#	EXCEPTION	
l	4	Desta TD 2.9 74 HP FTY DESEL, AS	EQV4L
-			
	A -A		
Sec			
3			
NOTE: If additi	onal pages are n	eeded, attach to the back of this page and note "See Page	
2-Deviations" o	on this page.		
Compa	iny Name	Authorized Signature	_

Quotation

QUO-15292-L7T7D7-0

allightsykes.com

CP150i, Deutz TD2.9, LOFA CP750, Open Trailer

Primax USA, Inc

QUOTATION

Reference: QUO-15292-L7T7D7-0

Monday, January 11, 2021

Ms. Wood,

Thank you for your valued inquiry, we are pleased to enclose our specification, descriptive literature and pricing for the following scope of supply:

6" Trailer Mounted Bypass Pump and Accessories pump per the specifications for Bid TF-2021-11. Primax USA takes no exception and has offered this unit powered by a Deutz TD2.9 74 HP Final Tier 4 engine we offer AS EQUAL to John Deere addressed in addendum 3.

This quotation includes all items 1-20 listed on page 4, technical specifications, without exception. This quotation includes delivery to City of Seguin Utilities Operations Center as specified on page 1 item 6.

I trust this information covers all aspects of your requirement and is acceptable. We will be happy to amend or modify the proposal to suit additional requirements, and please do not hesitate to contact me if required.

I look forward to your further instructions.

Your Sincer

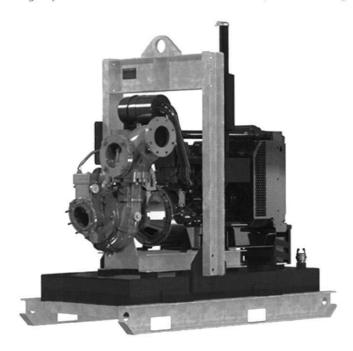
Doug Bartholomew

Sales Manager USA Mobile: +17049544149 Office:+1 704 587 3377

AMERICAS

SPECIFICATION		T PRICE		OTAL PRICE
CP150i SR	56	5,245.00	1	56,245.00

AllightSykes CP150i 150mm / 6" Automatic Compressor Priming Solids Handling Low Head Pump set



- * Image is for illustration purposes only.
- * Lead time is 12 weeks from date of order.
- o 150mm / 6" Suction Flange
- o 150mm / 6" Discharge Flange
- o 77mm / 3" Solids
- o CP150i Automatic Compressor Priming Pump End
- o 285 mm Diameter Impeller
- o Mechanical Seal Oil Lubricated Hard Faced Capable of Running Dry for Extended Periods
- o 150mm / 6" Ball or Flap Type NRV
- o 1104D-44TA Perkins Diesel Engine
- o S17 Control Panel c/w Engine Protection & E Stop
- o Variable Speed 1400-2200 rpm
- o 440 L Steel Fuel Tank
- o Galvanised Standard Duty Sled c/w Fork Tynes

AMERICAS

- o Single Point Lift Frame
- o Suction & Discharge Pressure Gauge
- o Operating Range Sign
- o Lockable Fuel Cap
- o 12V Battery

FEATURES

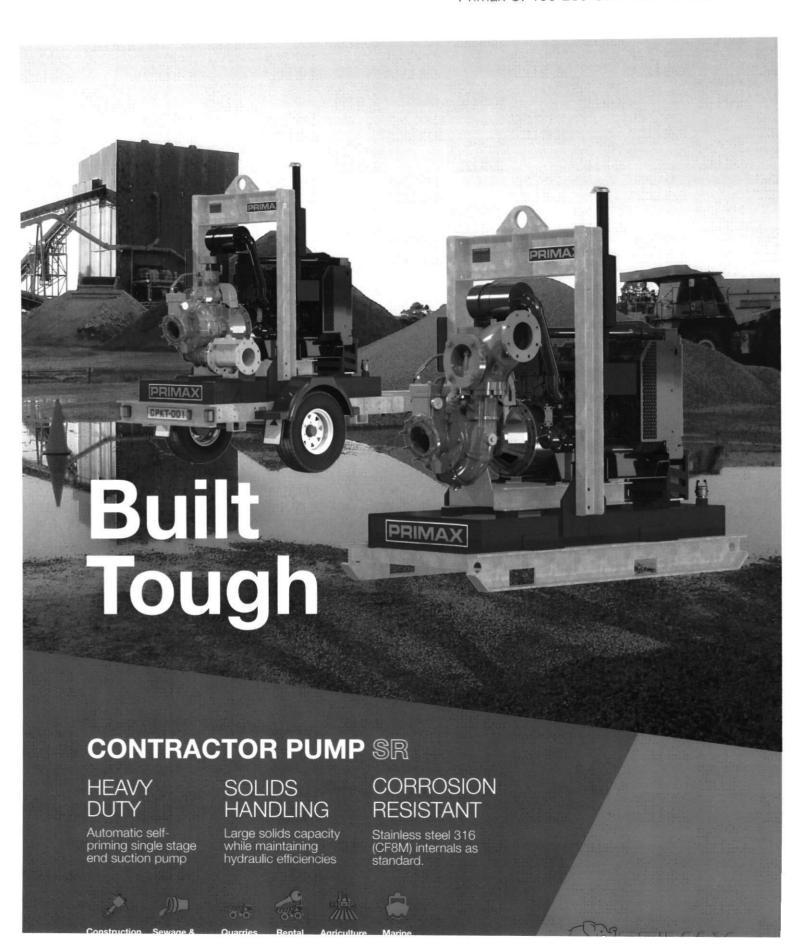
AllightSykes CP150i 150mm / 6" Automatic Compressor Priming Solids Handling Low Head Pump set

REMARKS

- All pricing is in US Dollars.
- All pricing ex works.
- All finance is subject to finance approval.
- In some cases company financials may be required.
- All financing is offered by external financier recommended by AllightPrimax.
- Alternative residual values available.
- All finance offers are subject to final approval by AllightPrimax MD.
- Customised and bespoke orders (ETO Engineering To Order) are indicative lead times and subject to scope finalisation. Variations may be applicable if changes to scope are requested post customer sign off.
- Lead times provided are current at time of quotation and may vary subject to production load.
- This quote is valid for 30 days; after this period AllightPrimax reserves the right to revise the quotation.

FURTERIOR C DESCRIPTION C MARTILIMENTAL CAMPILIMENTAL C BURLL CAMP

PUMP SPECIFICATION SHEET
Primax CP150-285-SR Deutz TD 2.9, 74HP



Venturi Auto self priming, run o stage, end suction, 2 vane sem	
Suction Flange	150mm / 6"
Delivery Flange	150mm / 6"
Solids Handling	77mm / 3.03"
Maximum Head	60m / 197ft
Maximum Flow	173L/sec / 2,742 USgal/min
Engine Type	Deutz TD2.9 Final Tier 4
Engine Adaptor	SAE #4
Shaft Diameter	40mm / 1.57"
Fuel Rate @ BEP 2,000rpm	12.3L/hr / 0.05 USgal/min *
Fuel Rate @ BEP 1,600rpm	6.6L/hr / 0.03 USgal/min *
Fuel Tank Capacity	440L / 116 USgal

CONSTRUCTION	AUSTRA	ALIA	AMERICAS		
STANDARDS	MATERIAL	GRADE	AS	GRADE	ASTM
Tee Piece	SG Iron	400/12	1831	65-45-12	A536
Pump Casing (Volute)	SG Iron	400/12	1831	65-45-12	A536
Front Wear Plate	Stainless	316/H6B	2074	CF8M	A351
Impeller	Stainless	316/H6B	2074	CF8M	A351
Rear Wear Plate	Stainless	316/H6B	2074	CF8M	A351
Pump Shaft	Stainless	431	2074	98b-431	A276
Bearing Bracket	SG Iron	400/12	1831	65-45-12	A536
Bearing Covers	SG Iron	400/12	1831	65-45-12	A536
Mechanical Seal	Multi spring b				

STANDARD RANGE (SR) INCLUSIONS

- Single point lifting frame.
- Manual diesel fuel fill (lockable).
- LOFA CP750 Auto control panel.
- Heavy duty battery, complete with battery box enclosure.
- Vacuum (suction inlet) and Pressure (discharge outlet) gauges.
- DOT Trailer for transportation.

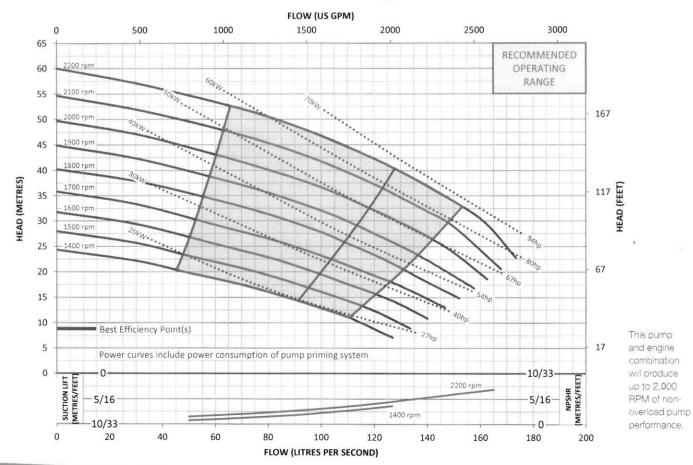
OPTIONAL EXTRAS

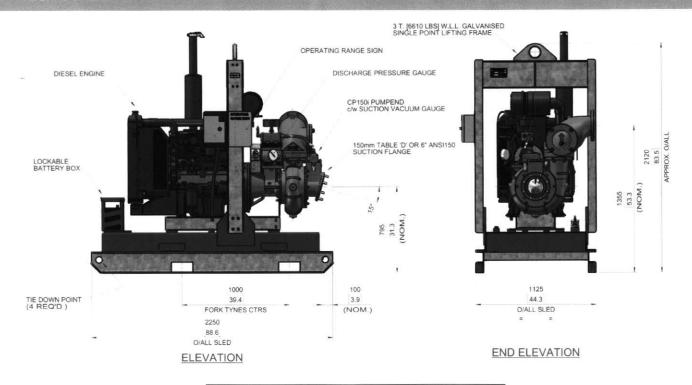
Please contact us to discuss these options:

 Additional operational, mobility and safety extras such as: suction and discharge couplings, strainers, battery isolators, heavy duty sleds and trailers. These can all be selected and fitted to our Standard Range (SR) pump units.

faces in self-contained oil reservoir.

- Our SR build configuration uses Deutz diesel engines, however, alternative engine brands are available upon request.
- Other pump materials of construction are also available upon request: full 316 stainless steel, CD4MCU, chromium steel, SAF 2205 and SAF 2507.





DRY: 1,840 kg (4,055 lb)

WET: 2,205 kg (4,860 lb)

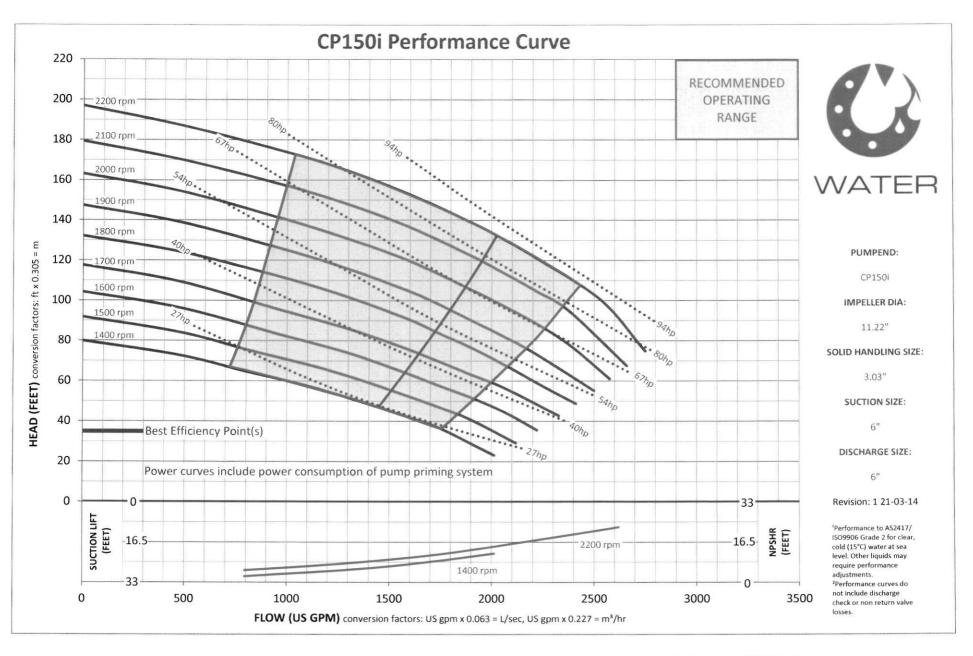
3 T. [6610 LBS] W.L.L. GALVANISED SINGLE POINT LIFTING FRAME OPERATING RANGE SIGN DISCHARGE PRESSURE GAUGE DIESEL ENGINE CP150i PUMPEND c/w SUCTION VACUUM GAUGE 150mm TABLE 'E' OR 6" ANSI150 SUCTION FLANGE LOCKABLE BATTERY BOX 2120 83.5 APPROX. O/ALL (SPRINGIE) (III 480 18.9 (NOM.) x4 TIE DOWN POINTS 135 225 5.3 [8.9] (NOM.) (NOM.) 3465 1705 [67.1] O/ALL TRAILER 136.42 O/ALL TRAILER **ELEVATION END ELEVATION**

WET:

2,110 kg (4,650 lb)

DRY:

1,900 kg (4,190 lb)



Primax USA, Inc

DEUTZ TCD 2.9

For mobile machinery ■ 30-75 kW / 40-100 hp at 2200-2600 min⁻¹/rpm ■ EU Stage IIIB and V / US EPA Tier 4

- Water-cooled 4-cylinder inline engine with cooled, external exhaust gas recirculation with and without turbocharging and optionally with and without charge air cooling.
- The powerful Common Rail injection system and highlyefficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.
- The DVERT®oxidation catalyst for EU Stage IIIB and US EPA Tier 4 enables maintenance-free operation under all application and ambient conditions. A DVERT® particulate filter (DPF) is available as an option. With the introduction of EU Stage V, DPF will be available for all engine types. Through the use of the diesel particulate filter, the engines already comply with the EU Stage V emissions standard expected from 2019*.
- For ease of machine installation engine foot print and all major installation interfaces will stay unchanged for Stage V.
- Up to 1000 h oil change intervals and a maintenance-free valve train result in low maintenance costs and increased machine availability.
- The extremely compact engine design and customer friendly accessories reduce the installation costs and increase the number of applications.
- 100% power take-off at flywheel and front end and additional side PTO drive with up to 120 Nm for the mounting of up to two hydraulic pumps.

- A variant without EAT is optionally available for EU Stage III A, US EPA Tier 4i and for less regulated markets.
- New High Power engine version to extend the 2.9 platform to 100 hp.
- New High Torque engine version for extraordinary strong performance below 56 kW.



TECHNICAL DATA

Engine type		D 2.9 L4	TD 2.9 L4	TCD 2.9 L4	TCD 2.9 L4 HT*	TCD 2.9 L4 HP**
No. of cylinders		4	4	4	4	4
Bore/stroke	mm in	92/110 3,6/4,3	92/110 3,6/4,3	92/110 3,6/4,3	92/110 3,6/4,3	92/110 3,6/4,3
Displacement	I cu in	2,9 177	2,9 177	2,9 177	2,9 177	2,9 177
Max. nominal speed	min ⁻¹ rpm	2600	2600	2600	2600	2300

Engine type		D 2.9 L4	TD 2.9 L4	TCD 2.9 L4	TCD 2.9 L4 HT*	TCD 2.9 L4 HP**
Power output as per ISO 14396 1)	kW hp	36,4 50	55,4 75	55,4 75	55,4 75	75 100
at speed	min ⁻¹ rpm	2600	2600	2600	2600	2300
Max. torque	Nm Ib/ft	147 108	260 192	300 221	375 277	400 295
at speed	min ⁻¹ rpm	1600	1600-1800	1600	1600	1600
Minimum idling speed	min ⁻¹ rpm	900	900	900	900	900
Specific fuel consumption 2)	g/kWh lb/hph	225 0,37	225 0,37	210 0,35	210 0,35	210 0,35
Weight as per DIN 70020 Part 7A3)	kg lb	220 485	237 522	237 522	237 522	237 522

* Based on the proposal by the EU Commission COM (2014) 581 final from 25.09,2014

1) Power data without deduction of fan power

2) Best point consumption refers to diesel with a density of 0.835 kg/dm3 at 15°C.

3) Without starter/alternator, cooler and fluids but with flywheel and flywheel housing

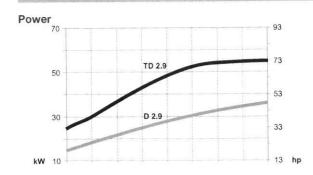
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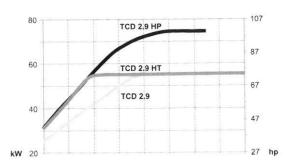
Division of Sykes Group Australia 11000 - A S. Commerce Blvd

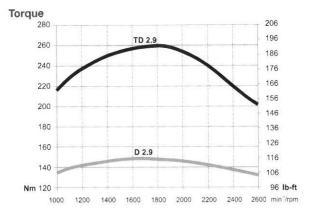
Charlotte, NC 28273
Tel. 704-587-3377

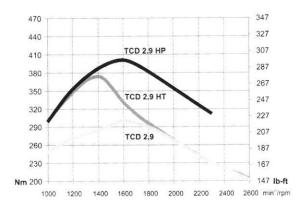
DEUTZ

') HT = High Torque '') HP = High Power

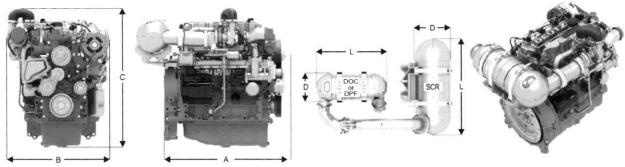








DIMENSIONS



						DC	C	SC	CR	DF	PF	DV	ERT® E	AT
Engine type			A	3	C	D		Ð	l L	D		DOC	SCR	DPF
D 2.9	< 37 kW	mm in	678 26,7	483 19,0	685 27,8	199 7,8	380 15,0		-	-	-		-	•
TD 2.9	< 56 kW	mm in	678 26,7	560 22,0	685 27,8	199 7,8	523 20,6	-	-		-		-	•
TCD 2.9	< 56 kW	mm in	678 26,7	560 22,0	685 27,8	199 7,8	380 15,0	-	8-5	199 7,8	613 24,1		-	•
TCD 2.9 / HT	< 56 kW	mm in	678 26,7	560 22,0	685 27,8	199 7,8	380 15,0	*	(-)	199 7,8	613 24,1		-	
TCD 2.9 / HP	> 56 kW	mm in	678 26,7	560 22,0	685 27,8	•		246 9,7	659 25,9	199 7,8	613 24,1		•	•

- Standard for Stage IIIB / T4
 Optional for Stage IIIB / T4, but DPF and SCR standard for Stage V

For EU Step IV / EPA Tier 4 or standard for EU Step V. The DVERT® oxidation catalyst (DOC) does not satisfy the regulations of certain markets that have specified additional limit values for the number of particles (e.g. Switzerland).

DEUTZ offers the DVERT® wallflow particulate filter as an option for these markets.

All connection variants are available either in 0° or 90° positions for inlet and outlet flanges. Note: The engine dimensions and weights vary depending on the scope of delivery.

For more information please contact the DEUTZ AG or the responsible sales partner.

DEUTZ AG

www.deutz.com

Ottostraße 1 51149 Cologne, Germany Phone: +49 (0) 221 822-0 Telefax: +49 (0) 221 822-3525 E-Mail: info@deutz.com www.facebook.com/deutzofficial



CANplus™

CP750

AUTOSTART AND MANUAL OPERATIONS FOR ELECTRONICALLY AND MECHANICALLY GOVERNED ENGINES

FEATURES

- The panel (formerly LOFA CANplus Classic) can be field configurable for a wide range of applications
- Control panel models available for Tier IV Final/ Euro Stage IV and all previous emission standard levels
- Rugged weather-resistant AluflexTM extruded aluminum and powder coated housing with heavy-duty mounting bracket system including isolation mounts
- · Intuitive display Interface with user-friendly configuration menu
- · Analog fuel level input
- · Heavy-duty IP64 key switch with booted key
- Key switch features mechanical lock-out to prevent restart attempts when engine is running
- · Ramp throttle adjustment via momentary rocker switch or digital rotary
- Solid-state design facilitates high current switching
- Two fault switch inputs with customizable diagnostic messages
- · LED indication for standby, preheat, warning and stop
- · Alarm output indicates prestart warning and fault condition
- · Auxiliary output for engine running, autostart or engine-at-speed
- CE Listed (Aluflex only)
- Connections:
 - Sealed dual auto-start switch connector
 - Sealed M12 transducer connector
 - Industry standard 21-pin sealed connector

AUTOMATIC START/STOP

- Configurable warm-up, ramping and cool down throttle profile
- 4-20 mA transducer and two-switch inputs support multiple control scenarios such as single switch, dual switch, level transducer and pressure transducer
- Throttle maintain modes use transducer reading to adjust the engine speed to match a configurable set point (level or pressure)
- · Transducer input supports simple start/stop operation with configurable high and low set points
- Transducer and switches mode provides backup of transducer function for added protection incritical applications

DISPLAY FEATURES

- Large 4.3" (diagonal) IP67 LCD displays SAE J1939 parameters and diagnostics
- High contrast display readable in bright sunlight
- Backlight allows reading display in total darkness
- · PIN protection available for added security
- Ten language support
- Configurable display units (US/Metric)
- Active alarms displayed in clear language
- User selectable gauge layout; up to 16 gauges

- · Five tactile function buttons
- Visual indication for switch states and transducer output
- 16 service timers
- Configuration via display:
 - Transducer start-stop
 - Transducer alarms
 - Engine run speed
 - Throttle profile
 - Automatic start/stop mode

Primax USA, Inc





SUITE CONFIGURATION

- Ability to create and save application specific configuration files
- Quickly create custom splash screens from graphics files
- Provides additional configuration parameters not available via display
- Facilitates convenient and efficient firmware updates
- Software feature updates are available

ELECTRONIC GOVERNED ENGINES

- Displays SAE J1939 parameters reported by the ECU
- Displays SAE J1939 CANbus diagnostic messages

MECHANICAL GOVERNED ENGINES

- Performs ECU function of monitoring poil pressure, temperature, tachometer, input, hourmeter
- Optional CANbus throttle actuator kit provides full electronic engine speed control
 including warm-up, cool down, and configurable speed presets

MODBus (Optional)

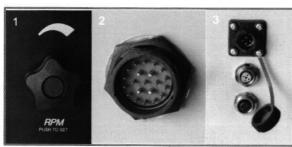
- Modbus slave via RS485 port
- Modbus ASCII or RTU serial transmission modes
- · Allows monitoring of J1939 parameters via Modbus
- · Start/stop available in automatic mode
- · Set requested engine run speed
- · Configure select parameters

EMISSIONS MANAGEMENT PROVISIONS

- Operator interface simplifies exhaust emission system management for DPF and SCR technologies
- Emissions management by J1939 CANbus (hardwire optional)
- Optional interlock rocker switch is available in both CANbus and hardwire configuration

OPTIONS

- · Low temperature display
- NEMA 4X enclosure with lockable door and isolation mounting
- Plug-and-Play harnesses
- · Aluflex security door
- M12 sealed RS485 connector
- Digital rotary throttle
- Two or three state throttle switch
- CANbus nodes to facilitate analog sensor inputs
- Keyless lever ignition switch
- Telemetry module



- 1) Digital rotary throttle with push-to-set speed selector allows for changes to engine speed presets.
- 2) 21-pin engine harness connector
- 3) Top: CPC sealed dual float switch connector with cap

Middle: M12 sealed transducer connector (cap not shown) Bottom: M12 sealed RS485 serial connector (cap not shown)





TECHNICAL DATA AND SPECIFICATIONS

Nominal System Voltage

10 - 28 VDC

Standby Current

85 mA @ 13.5V; 43 mA @ 26V

Operating Temperature

-25°C to +70°C

Low Temperature Version

-40°C to 75°C

Reverse Polarity Protection

Yes

Starter Relay

Required

CANBus Standard

SAE J1939 (CANBUS 2.0B)

Solid-State I/O:

10A @ system voltage

ECU/Solenoid

10A @ system voltage

Starter

750 mA

AUX Output Alarm Output

750 mA 4-20 mA

Transducer Inpu AUX Shutdown Input Fuel Sender Input

2

Warranty

2-year limited warranty



North America: +1.234.806.0018 | Sales.US@Cattron.com

Europe: +49.2151.4795.0 | Sales.EU@Cattron.com

UK: +44.1932.238121 | Sales.UK@Cattron.com

South America: +55.19.3518.7030 | Sales.BR@Cattron.com

Asia: Sales.CN@Cattron.com

cattron.com

CANplus CP750 Datasheet Sept2020

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SPECIFICATIONS FOR A GORMAN-RUPP PRIMING ASSISTED CENTRIFUGAL PUMP MODEL PA6D60-4045T FT4-ESP With Auto- Start Control

GENERAL:

Six-inch (6") priming assisted pump driven by a liquid-cooled diesel engine. Pump shall be capable of handling water with a high content of solids and running dry continuously without damage.

PUMP:

Pump to have 6-inch (6") suction and discharge. The casing is to be made of gray iron 30. Semi-Open type two-vane impeller made of ductile iron no. 65-45-12 and capable of handling 3" diameter spherical solids. Impeller shaft is to be made of stainless steel 17-4 PH. Pump to have a replaceable wear ring made of ductile iron 65-45-12.

The seal shall be mechanical oil-lubricated with double floating, self-aligning silicon carbide rotating and stationary faces. It shall have a stainless steel 316 stationary seat and DuPont viton or equivalent elastomers. Cage and spring to be stainless steel no. 18-8. Bearings shall be oil lubricated.

The priming chamber housing is to be gray iron #30 with stainless steel float and linkage that will insure automatic prime and reprime. Once pump is primed the valve will close and will not allow any of the product being pump to be bypassed onto the ground or into the atmosphere. Pump must also be capable of operating under a flooded suction condition without allowing product being pumped in to be bypassed onto the ground or into the atmosphere.

The pump shall have a clean-out port and spring-loaded discharge check valve that operates automatically. The pump shall be manufactured in the U.S.A. by an ISO 9001 approved company. Companies without ISO 9001 certification will not be allowed.

PERFORMANCE:

At an engine speed of 1950 rpm, the pump shall be capable of reaching a maximum head of 140 feet, and a maximum flow rate of 2300 GPM. Pump shall be capable of the following condition points:

- Duty Point #1 10' static suction lift 2000 GPM @ 92' TDH
- Duty Point #2 15' static suction lift 1700 GPM @ 104' TDH
- Duty Point #3 25' static suction lift 1050 GPM @ 128' TDH

COMPRESSOR:

The compressor is to be gear-driven directly off the engine with a model Bindex 34 CFM air compressor including air intake plumbing, water-cooler plumbing, lube system plumbing. The priming system shall not incorporate a vacuum pump, belt-driven air compressor or diaphragm priming system.

Compressor shall create a vacuum on suction side of pump by forcing air through a venturi, which is mounted in a protected area of the pump frame.

ENCLOSURE:

The entire pump unit shall be enclosed by a soundproof lightweight aluminum, modular enclosure to reduce operating noise to an average 74 dbA level at 23 feet (7 meters) while pumping under full load. The entire enclosure shall be removable for maintenance of pump or engine. It will be equipped with padlockable access panels with an opening to facilitate pump and engine servicing, and incorporate a removable panel to allow access to the pump clean-out cover plate. The enclosure shall have a lockable access panel for the engine control and level control system. Integral drain ports will be included along with a weather tight positive engagement 4-pin socket for float switch connection. It shall be secured to an environmentally safe, spill containment type, combination skid base with integral fuel tank.

ENGINE:

The pump shall be coupled directly to the engine flywheel.

The engine shall be four cylinder, turbocharged, liquid cooled, final tier 4, diesel of not less than 276 cubic inch displacement having a manufacturer's continuous brake horsepower rating of 74 BHP at 2400 rpm. Engine shall be complete with a 88 gallon fuel tank that will allow unit to operate for 19.7 hours under full load. Engine will have an instrument panel with temperature gauge, oil pressure gauge, ammeter, hour meter, and tachometer. Shall be equipped with safety shut down switches for low oil pressure and high coolant temperature.

Specification Data

Sound Attenuated **Diesel Engine Driven Environmental Silent Pump**

Priming Assisted Centrifugal Pump w/Autostart

Model PA6D60-4045T FT4-ESP

Size 6" x 6"



PAGE 1137

DECEMBER 2017



Total	Head	Capacity of Pump in U.S. Gallons per Minute (GPM) at Continuous					
P.S.I.	Feet	Performance					
61.5	142	555	555	555	555	555	
60.7	140	600	600	600	600	600	
52.0	120	995	1230	1230	1230	1230	
43.4	100	1015	1435	1720	1820	1820	
34.7	80	1030	1440	1760	2030	2260	
26.0	60	1045	1455	1770	2040	2285	
17.4	40	1060	1460	1780	2050	2320	
Suction	on Lift	25'	20'	15'	10'	5'	

PUMP SPECIFICATIONS

Size: 6 x 6" (152 mm x 152 mm) Flanged.

Casing: Gray Iron 30.

Maximum Operating Pressure 103 psi (710 kPa).* Enclosed Type, Two Vane Impeller: Ductile Iron 65-45-12.

Handles 3" (76,2 mm) Diameter Spherical Solids.

Suction Spool: Gray Iron 30.

Impeller Shaft: Stainless Steel 17-4 PH.

Externally Adjustable Wear Plate: Carbon Steel C1015.

Bearing Housing: Gray Iron 30.

Seal Plate: Gray Iron 30.

Seal: Mechanical, Oil-Lubricated. Silicon Carbide Rotating Face. Silicon Carbide Stationary Seat. Fluorocarbon Elastomers (DuPont Viton® or Equivalent). Stainless Steel 18-8 Cage and Spring, Maximum Temperature of Liquid Pumped, 160°F (71°C).

Shaft Sleeve: Stainless Steel 17-4 PH.
Priming Chamber: Gray Iron 30 Housing W/Stainless Steel Float and Linkage.

Discharge Check Valve: Ductile Iron Housing W/Buna-N Flapper.

Radial/Thrust Bearings: Open Double Ball.

Bearing and Seal Cavity Lubrication: SAE 30 Non-Detergent Oil.

Gaskets: Resistant Synthetic Rubber, Cork, PTFE, Vegetable Fiber, and Compressed Synthetic Fibers.

O-Rings: Buna-N.

Hardware: Standard Plated Steel.

Bearing and Seal Cavity Oil Level Sight Gauges.

Consult Factory for Applications Exceeding Maximum Pressure and/or Temperature Indicated

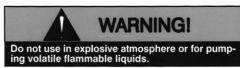
Standard Equipment: Gear-Driven Air Compressor. Hoisting Bail. Strainer.-Soundproof (EPA Average 74 dBA at 23 feet [7 meters] Under Load). Lightweight Aluminum Enclosure - Removable for Maintenance of Pump or Engine - W/Lockable Door Panels. Spill Containment Base W/Integral Drains. Single Ball Type Float Switch.** Full Feature Control Panel For Use W/Submersible Transducer Liquid Level Sensor.*

Optional Equipment: Battery. GR Hard Iron Impeller and Seal Plate. Heated Priming Chamber Kit. NPT Suction and Discharge Flange Kits. High Speed (55 MPH/89 KM/H) Single Axle Pneumatic-Tired Wheel Kit W/wo DOT-Approved Lights and Electric Brakes. Tandem Axle Over-the-Road Trailer (Meets DOT Requirements).

*50 Ft. (15 m) Standard Length; Dual Switches and Alternate Cable Lengths Available From the Factory



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ENGINE SPECIFICATIONS

Model: John Deere 4045T.

EPA Tier: Final Tier 4.

Type: Four Cylinder, Four Cycle, Turbocharged,

Liquid Cooled Diesel Engine.

Displacement: 276 Cu. In. (4,5 liters).

Lubrication: Forced Circulation.

Air Cleaner: Dry Type.

Fuel Tank: 88 U.S. Gals. (330 liters).

Full Load Operating Time: 23.5 Hrs.

Starter: 12V Electric.

Standard Features: Muffler W/Guard and Weather Cap, DOC/DPF Exhaust After-Treatment System.

Optional: Electronic Fuel Level Sensor.

Engine Control Features: Padlockable Box with Throttle Control, Tachometer, Coolant Temperature, Oil Pressure, Voltage and Overstart Indicators/Shutdowns. Manual/Stop/Auto Keyswitch. Audible Startup Warning Delay. Fuel Level Display/Alarm/ Shutdown (For Use With Optional Fuel Level Sensor).

JOHN DEERE PUBLISHED PERFORMANCE:

Maximum Gross Continuous BHP (Industrial Heavy Duty) 74 (55 kW) @ 2400 RPM



GORMAN-RUPP PUMPS

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Specifications Subject to Change Without Notice

Printed in U.S.A.

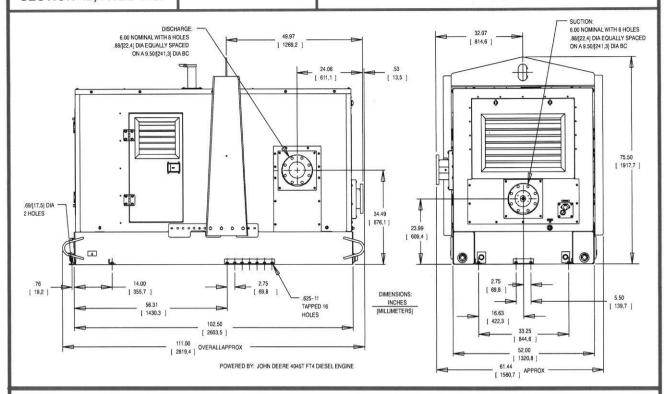
Specification Data

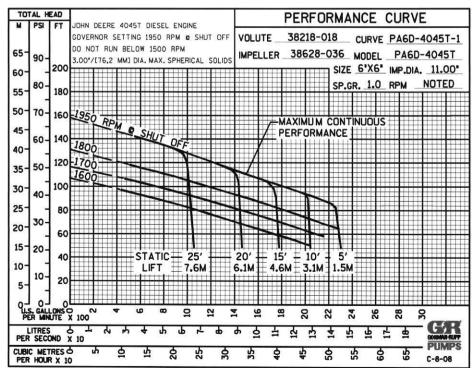
APPROXIMATE DIMENSIONS and WEIGHTS

SKID BASE

NET WEIGHT: 4220 LBS. (1914,2 KG.)
SHIPPING WEIGHT: 4510 LBS. (2045,7 KG.)
EXPORT CRATE SIZE: 387 CU. FT. (10,9 CU. M.)

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