



**NOTICE
GLENPOOL UTILITY SERVICE AUTHORITY
SPECIAL MEETING**

A Special Session of the Glenpool Utility Service Authority will be held at 6:00 p.m. immediately following the Glenpool City Council Meeting on August 16, 2021 at Glenpool City Hall, City Council Chambers, 12205 S. Yukon Ave., 3rd Floor, Glenpool, Oklahoma.

NOTE: The Glenpool Utility Service Authority will be assembled for the meeting at the City Council Chambers, 12205 S. Yukon Ave, Glenpool, Oklahoma. Members of the public are invited to attend the in-person meeting, or join a live broadcast at this link:

Join Zoom Meeting

<https://us02web.zoom.us/j/89753555435?pwd=QzdFVjA1b0lKa1lSUFIKbUNrUUxtdz09>

Meeting ID: 897 5355 5435

Passcode: 974088

One tap mobile

+13462487799, US (Houston)

+14086380968, US (San Jose)

Dial by your location

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

Meeting ID: 897 5355 5435

Passcode: 974088

Find your local number: <https://us02web.zoom.us/j/89753555435?pwd=QzdFVjA1b0lKa1lSUFIKbUNrUUxtdz09>

The GUSA Board welcomes comments from citizens of Glenpool who wish to address any item on the agenda.

- Speakers attending in **PERSON** are required to complete the Request to Speak form located on the agenda table and return to the City Clerk **PRIOR TO THE CALL TO ORDER**.
- Speakers attending via **ZOOM** are required to complete the Request to Speak form located on our website: <https://glenpoolonline.civicweb.net/document/19057/Request%20to%20Speak%20Form.pdf> and email it to the City Clerk: Wknight@cityofglenpool.com **PRIOR TO 6:00 PM, AUGUST 16, 2021.**

AGENDA

	Page
A) Call to Order - Joyce G. Calvert, Chair	
B) Roll Call, Declaration of Quorum – Wendy Knight, Secretary; Joyce G. Calvert, Chair	
C) Scheduled Business	
1) Discussion and possible action to approve or deny a quote received from Kubota Construction Equipment of Tulsa for the purchase of a Kubota Compact Excavator, in a total amount not to exceed \$69,602.43, with \$34,801.22 of the total amount to be funded from the approved FY 21/22 Budget Account No. 02-6-16-6333: Capital Purchases, and to authorize the City Manager to execute the same. (Lynn Burrow, Community Development Director) GUSA Presentation 08 16 21 Track Hoe Purchase	3 - 16

- 2) Discussion and possible action to approve or deny a quote received from Automatic Engineering of Broken Arrow for the purchase of a ROOTS 711 Ural Blower, for the Glenpool Wastewater Treatment Plant, in a total amount not to exceed \$12,087.50, to be funded from the approved FY 21/22 Budget Account No. 02-6-16-6272: Equipment Repair and Maintenance, and to authorize the City Manager to execute the same.
(Lynn Burrow, Community Development Director)

17 - 25

[GUSA Presentation 08 16 21 Wastewater Plant Blower Pump Replacement](#)

D) Adjournment

This notice and agenda was posted at Glenpool City Hall, 12205 S. Yukon Ave., Glenpool, Oklahoma, on August 12, 2021, by 4:00 pm.

Signed: Wendy Knight

Secretary



MEMORANDUM

**TO: CHAIRMAN AND BOARD MEMBERS
GLENPOOL UTILITY SERVICES AUTHORITY**

**FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR**

RE: REQUEST FOR EQUIPMENT PURCHASE

DATE: AUGUST 16, 2021

BACKGROUND

This item is for Board consideration and action regarding the approval to accept a purchase agreement received from Kubota Construction Equipment of Tulsa in the total amount of \$69,602.43 covering the acquisition of a Kubota Compact Excavator. The attached Sales Agreement and associated literature describes the equipment in question and the various options the excavator will have installed if the purchase is approved. Also attached are onsite photos of the actual equipment currently in stock at this dealership in Bixby. The goal is to add this unit to the current equipment inventory the Public Works Department operates on a daily basis. Specifically, this excavator will be used for most of the heavier repair and replacement type projects encountered by the Water and Sewer Division as well as the Streets and Parks Department. The existing smaller track hoe is mainly being used by the Water and Sewer Department will remain in service for projects where there is limited access and for light duty excavations such as water service connections. Due to the proposed use of this new equipment by both Public Works Department divisions, it is proposed to fund the purchase as an equal split between the Water & Sewer division and the Streets & Parks section or \$34,801.22 from each departments FY 2021/2022 Annual Budget. In this case, the GUSA portion of the total cost would be funded from Item No.02-6-16-6333 (Capital Purchases) GUSA.

Staff Recommendation:

Staff is recommending approval of the purchase of the subject equipment from Kubota Construction Equipment of Tulsa in the total amount of \$69,602.43 to be funded as described above and to authorize the City Manager to execute the Purchase Agreement accordingly.

Attachment:

- A. Purchase Agreement, Equipment Specifications, and Photographs

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4

City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

www.glenpoolonline.com



Kubota Construction Equipment of Tulsa

6237 E. 151st St. S.

Bixby, Ok 74008

Phone: 918.970.4614

www.stewartmartinequipment.com

Whole Goods

Sales Invoice

Sold To: City of Glenpool Phone 918-322-5409 Date: August 6, 2021

Address: 12205 S. Yukon Ave Salesperson Bobo Newton

City: Glenpool State: OK Zip 74033 County: Tulsa

CASH: CHARGE: NOTE:

Delivered: XX Customer Pick Up:

Qty	Description	Serial #	Stock #	Amount
1	Kubota KX040-4R3AP			\$57,985.45
	Cab (heat and air)			Included
	Angle Blade			Included
	18 inch QA Trenching Bucket			Included
	36 inch QA Tilt Grading Bucket			Included
	2 Aux Ports			Included
	Hydraulic Thumb			Included
	Travel Alarm			Included
	Bluetooth Radio			Included
1	Strike Fource w/quick Coupler			\$8,256.98
1	Hydraulic Quick Coupler			\$2,395.00
1	12 inch QA Bucket			\$965.00
	state contract price			

ALL USED TRACTORS & EQUIPMENT SOLD AS-IS

Sales Tax @ 0.000%

\$0.00

Trade-In Information				
Qty	Make	Description	Serial #	Amount

Complete this section when tractors are sold. Statistics show that severity of injuries are greatly reduced and fatalities practically eliminated through use of ROPS and a seat belt if a tractor overturns. I have been advised and understand that the use of ROPS and a seat belt are recommended in almost all applications.

Signature of Purchaser _____

Trade-In Allowance: \$0
Less Amount Owed:
Net Trade-In Allow: \$0

Delivery	
Cash Price	\$69,602.43
Cash With Order	
Trade-In	\$0.00
Total: Cash & Trade	\$0.00
Unpaid Cash Balance	\$69,602.43
Time Payment Differential	
Other Charges	
Time Payment Balance	\$69,602.43

Received By _____

I _____ am engaged in the business of farming, and the farm machinery and equipment I have purchased will be used exclusively and directly in the agriculture production of food or fiber as a business. I am aware that any false representation made by me in an attempt to purchase farm machinery and equipment free from Oklahoma sales tax is a misdemeanor.



10601 S Memorial Drive
Tulsa, OK 74133
Office: (918) 970-4614
Cell: (870) 692-0458
bobo@smekubota.com

City of Glenpool

**Kubota KX040-
4R3AP**

- Cab (Heat and Air)
- Angle Blade
- 18 inch QA Trenching Bucket
- 36 inch QA Tilt Grading Bucket
- 2 Aux Ports
- Hydraulic Thumb
- Travel Alarm
- Bluetooth Radio

List: \$74,265.00

State Price: \$59,412.00

City of Glenpool's Price: \$57,985.45

Options:

Hydraulic Breaker:

Strike Force SFB500 with Quick Coupler: \$8256.98

Hydraulic Quick Coupler: \$2395

12 inch QA Bucket: \$965





















PALADIN®

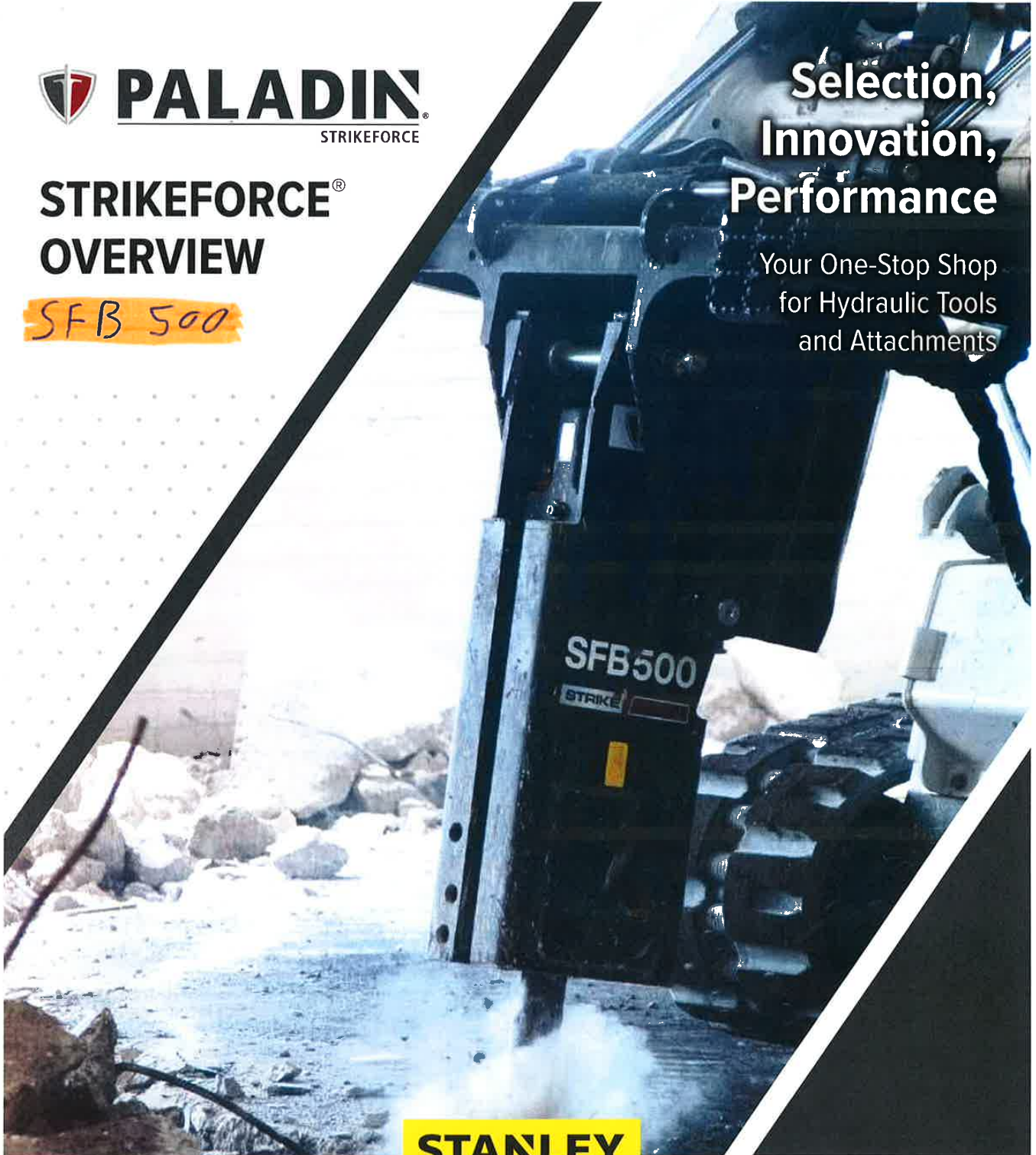
STRIKEFORCE

STRIKEFORCE® OVERVIEW

SFB 500

**Sélection,
Innovation,
Performance**

Your One-Stop Shop
for Hydraulic Tools
and Attachments



STANLEY
Infrastructure

INDUSTRIAL TOOLS & ATTACHMENTS

PALADIN STANLEY LABOUNTY PENGU

POWERFUL OPERATIONS FOR MAXIMUM PRODUCTION



The StrikeForce® family of tools has been specifically developed to support the needs of general contractors, whose primary task is the efficient completion of challenging work in the most cost effective manner possible. The StrikeForce line of powerful tools are designed to provide low maintenance and repair costs, maximum productivity, and a safe, responsible worksite environment. This combination delivers the lowest operating cost and highest customer value in the industry.



MEMORANDUM

**TO: CHAIRMAN AND BOARD MEMBERS
GLENPOOL UTILITY TRUST AUTHORITY**

**FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR**

**RE: REQUEST FOR AIR BLOWER REPLACEMENT EQUIPMENT
GLENPOOL WASTEWATER TREATMENT PLANT**

DATE: AUGUST 16, 2021

BACKGROUND

This item is for Board consideration and action regarding the approval to authorize the purchase of a replacement air blower unit to be installed at the Glenpool Wastewater Treatment plant per the attached Purchase Agreement received from Automatic Engineering of Broken Arrow. in the amount of \$12,087.50 The repair or replacement of this unit is required to have one of the four forced air pumps be in rotation with the other three pumps that operate at all times. As noted in the proposal, the existing pump was inspected in detail and was determined to be rebuildable at less cost than that of a new replacement unit. As noted in the attached Staff Report from the August 2nd GUSA meeting, the repair of the existing unit was approved to go forward with a total cost of \$10,225.50 with an anticipated delivery time of 4-5 weeks. However, per the memo received from Automatic Engineering, one of the parts vendors involved with the re-build of the original unit has indicated that one of the main parts involved has experienced a major delivery backlog and that this particular replacement part will not be available until January, 2022. As a result, and due to urgency involved with getting this pump back in the operating rotation, Staff has negotiated the purchase price of a totally new pump down to \$12,087.50 as opposed to the original price of \$15,150.00. The delivery of this new unit is predicted to only take a few days from authorization.

As a result, and in view of the critical need for this replacement, Staff is requesting Board consideration to move ahead with the purchase of this new replacement pump. This replacement equipment purchase is proposed to be funded from the FY 2021/2022 Annual Budget under Item No. 2-6-16-6272 (Equipment Repair and Maintenance).

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4

City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

www.glenpoolonline.com

Staff Recommendation:

Due to the Vendor's notice of this major delay in receiving replacement parts in the re-build of the existing unit as well as a significant reduction in price of a totally new unit, Staff is recommending Board approval to move ahead with the purchase of the new unit at a total price not to exceed \$12,087.50. Staff also recommends authorization be given to the City Manager to execute the corresponding Equipment Purchase Agreement and to make payment to this company upon satisfactory equipment delivery and installation.

Attachment:

- A. Purchase Proposal from Automatic Engineering
- B. Various background documents

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4

City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

www.glenpoolonline.com

Blower Rebuild/ Replacement

Joseph Holbrook <jholbrook@aei-inc.com>

Wed 8/11/2021 10:13 AM

To: Cody Harris <charris@cityofglenpool.com>

Hey Cody,

So, I understand you decided to go with the rebuild over the replacement blower in dealing with OP-531730. The final cost was going to be \$10,225.50 for the rebuild and the original lead times for the parts needed were 4-5 weeks. The vendor reached out to me yesterday and told me that the impeller shaft kit wouldn't be shipped until January 2022 and wanted to give me a heads up. They are also willing to take off \$2,000 for the new replacement blower because of the horrible lead times. The original cost for the replacement was \$14,087.50 and the new price would be \$12,087.50. Also, they already have the blower in stock and we can get it in within a couple of days. There is also the option of crediting back the \$10,225.50 and you would be left with the \$1,062.50 for the DCI (disassembly, clean, and inspect) fee. Let me know what you think. Thank you and I'm sorry about this inconvenience.

Respectfully,
Joe Holbrook

--

Joe Holbrook
jholbrook@aei-inc.com
CELL 918-720-1714
MAIN 918-627-1920
FAX 918-627-6742

412 N. Redbud Ave.
Broken Arrow, OK, 74012
cogentcompanies.com

Cogent consists of nine best-in-class partner companies:

AUTOMATIC ENGINEERING | BRI | CATALYST | FLUID EQUIPMENT | IME SOLUTIONS

LEE MATHEWS | VANCO | VANDEVANTER ENGINEERING | WATER TECHNOLOGY GROUP



AUTOMATIC ENGINEERING

A COGENT COMPANY

DATE: 08/11/2021

PROPOSAL #: OP-531730

TO: Cody Harris

PROJECT: Blower Replacement

Automatic Engineering proposes to furnish equipment or materials as described below.

Quantity	Item	Unit Price	Total Price
1	ROOTS 711 URAL BLOWER, 7M		\$12,087.50

Freight is prepay and add.

TOTAL **\$12,087.50**

THIS PROPOSAL IS SUBJECT TO OUR STANDARD ATTACHED CONDITIONS OF SALE

TERMS: Net 30 Days

QUOTED BY: Joe Holbrook 918-720-1714

SHIPMENT: 1 week after receipt of P.O.

F.O.B. Factory

This quote is valid for 30 days

Phone (918) 585-5703

Fax (918) 585-5707

STANDARD TERMS AND CONDITIONS

412 N Redbud Ave, Broken Arrow, OK 74012



AUTOMATIC ENGINEERING

A COGENT COMPANY

Price is FOB factory. Price does not include any freight charges. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 30 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Payment is due upon receipt of the invoice. An interest charge of 1-1/2% per month will be added to past due balances. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of "commercial transaction" invoices by credit card will be charged a fee based upon Cogent's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised February 2019

SPECIFICATIONS

compressors **ROOTS™** blowers

ROOTS™ UNIVERSAL RAI® ROTARY POSITIVE BLOWERS

Frames 22 thru 718

BASIC BLOWER DESCRIPTION

Universal RAI® blowers are heavy-duty rotary blowers designed with detachable rugged steel mounting feet that permit easy, in-field adaptability to vertical or horizontal installation requirements.

Because of the detachable mounting feet, these units can be easily adapted to any of four drive shaft positions: right, left, bottom, or top. The compact, sturdy design is engineered for continuous service when operated in accordance with speed and pressure ratings.

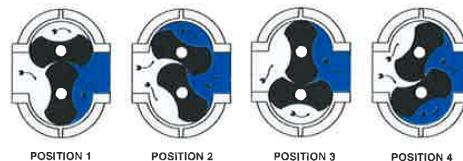
The basic model consists of a cast iron casing, carburized and ground alloy steel spur timing gears secured to steel shafts with a taper mounting and locknut, and cast iron involute impellers. Oversized antifriction bearings are used, with a cylindrical roller bearing at the drive shaft to withstand V-belt pull. The Universal RAI® features splash oil lube on the gear end and grease lube on the drive end. ROOTS'



exclusive "figure-eight" gearbox design improves oil distribution to maximize gear and bearing life. After testing, the unit is sprayed with a protective paint, and boxed or skid mounted for delivery.

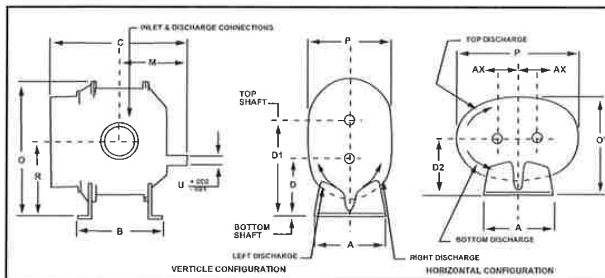
Available accessories include driver, relief valve, inlet and discharge silencers, inlet filter, check valve, extended base, V-belt or flexible coupling and drive guards.

OPERATING PRINCIPLE



Two figure-eight lobe impellers mounted on parallel shafts rotate in opposite directions. As each impeller passes the blower inlet, it traps a definite volume of air and carries it around the case to the blower outlet, where the air is discharged. With constant speed operation, the displaced volume is essentially the same regardless of pressure or temperature.

Timing gears control the impellers relative positions and maintain small but definite clearances. This allows operation without lubrication requirements inside the unit casing.



Frame	A	A'	B	C	D	D1	D2	M	O	O'	P	P'	R	U	INLET DISCH.	AX	WGT
22U	5.13	5.13	5.00	9.75	3.75	6.25	3.75	5.13	9.63	6.88	6.25	9.25	5.00	6.25	1.0 NPT	1.25	32
24U	5.13	5.13	7.00	11.75	3.75	6.25	3.75	6.13	9.63	6.88	6.25	9.25	5.00	6.25	2.0 NPT	1.25	43
32U	7.25	7.25	6.75	11.25	5.00	8.50	5.00	5.81	12.81	8.88	7.75	12.13	6.75	7.50	1.25 NPT	1.75	69
33U	7.25	7.25	7.63	12.13	5.00	8.50	5.00	6.25	12.81	8.88	7.75	12.13	6.75	7.50	2.0 NPT	1.75	74
36U	7.25	7.25	10.00	14.63	5.00	8.50	5.00	7.56	12.81	8.88	7.75	12.13	6.75	7.50	2.5 NPT	1.75	102
42U	8.00	8.00	7.25	13.00	6.25	10.25	6.25	6.66	15.06	10.63	8.75	13.63	8.25	8.75	1.5 NPT	2.00	88
45U	8.00	8.00	10.00	15.50	6.25	10.25	6.25	8.00	15.06	10.63	8.75	13.63	8.25	8.75	2.5 NPT	2.00	109
47U	8.00	8.00	11.75	17.63	6.25	10.25	6.25	9.25	15.06	10.50	8.50	13.63	8.25	8.75	3.0 NPT	2.00	128
53U	10.50	10.50	8.38	15.38	6.25	11.25	6.75	8.18	17.38	11.88	10.25	17.25	8.75	1.125	2.5 NPT	2.50	143
56U	10.50	10.50	11.00	18.00	6.25	11.25	6.75	9.19	17.38	12.25	11.00	17.25	8.75	1.125	4.0 NPT	2.50	170
59U	10.50	10.50	14.00	21.18	6.25	11.25	6.75	11.19	17.38	12.25	11.00	17.25	8.75	1.125	4.0 NPT	2.50	204
65U	11.00	11.00	10.09	18.38	8.75	14.75	8.75	9.19	21.63	15.13	12.75	19.75	11.75	1.375	3.0 NPT	3.00	245
68U	11.00	11.00	13.00	21.38	8.75	14.75	8.75	10.82	21.63	15.13	12.75	19.75	11.75	1.375	5.0 NPT	3.00	285
615U	11.00	11.00	20.00	28.38	8.75	14.75	8.75	14.32	21.63	16.25	15.00	19.75	11.75	1.375	8.0 FLG	3.00	425
76U	14.00	21.00	11.75	19.94	11.00	18.00	11.00	10.00	26.13	20.69	19.38	23.25	14.50	1.562	4.0 NPT	3.50	400
711U	14.00	21.00	16.75	25.19	11.00	18.00	11.00	12.75	26.13	19.50	17.00	23.25	14.50	1.562	6.0 FLG	3.50	530
718U	14.00	21.00	23.75	32.19	11.00	18.00	11.00	16.25	26.13	19.50	17.00	23.25	14.50	1.562	8.0 FLG	3.50	650



S-12K84
September 2003



Roots

S-12K84
September 2003

Copyright 2003 Dresser, Inc. All rights reserved.
Dresser Design and Universal RAI® are registered trademarks of Dresser, Inc.
ROOTS™ is a trademark of Dresser, Inc.
All information subject to change without notice.

Dresser ROOTS

2135 Hwy 6 South
Houston, TX 77077
Ph: 281-966-4700
Fx: 281-966-4309
Toll Free (US): 877-363-ROOT(S)

website: www.rootsblower.com

Dresser ROOTS

Connorsville
900 West Mount Street
Connorsville, IN 47331
Ph: 765-827-9200
Fx: 765-827-9266

Dresser ROOTS

Holmes Operation
PO Box B7
Off St. Andrews Rd
Turnbridge, Huddersfield
England HD1 6RB
Ph: +44-1484-422222
Fx: +44-1484-422668

Frame Size	Speed	4 PSI		5 PSI		6 PSI		7 PSI		8 PSI		9 PSI		10 PSI		12 PSI		13 PSI		14 PSI		15 PSI		VACUUM DATA		
		CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	INHG	CFM	BHP
22	2950	31	0.9	29	1.1	27	1.3	26	1.5	24	1.7	23	1.9	21	2.1									13	20	1.3
	3550	40	1.0	39	1.3	37	1.5	35	1.8	34	2.0	32	2.3	31	2.5	28	3.0							14	28	1.7
	5275	68	1.6	66	2.0	64	2.4	63	2.7	61	3.1	60	3.5	59	3.8	56	4.6							15	53	2.8
24	2950	68	1.7	65	2.1	63	2.5	60	2.9															14	48	2.8
	3550	88	2.0	85	2.5	82	3.0	79	3.5															14	67	3.4
	5275	143	3.1	140	3.9	137	4.6	134	5.4															15	119	5.5
32	1750	54	1.4	51	1.7	48	2.1	45	2.4	43	2.8	41	3.1	39	3.5	35	4.1							13	37	2.2
	2950	108	2.4	105	3.0	102	3.6	99	4.2	97	4.7	95	5.3	93	5.9	89	7.1	87	7.6	86	8.2	84	8.8	15	84	4.3
	3550	135	3.0	132	3.7	129	4.4	126	5.1	124	5.8	122	6.5	120	7.2	116	8.6	114	9.3	113	10.0	111	10.6	16	108	5.6
33	1750	75	1.9	71	2.4	67	2.9	64	3.3	61	3.8	58	4.3	56	4.7	51	5.7							13	53	3.0
	2950	149	3.3	145	4.1	141	4.9	138	5.7	135	6.5	132	7.3	130	8.1	125	9.7							15	119	5.9
	3550	186	4.1	182	5.0	178	6.0	175	6.9	172	7.9	169	8.8	167	9.8	162	11.7							15	156	7.2
36	1750	132	3.2	126	3.9	121	4.7	117	5.5															14	95	5.4
	2950	254	5.5	249	6.8	244	8.1	239	9.4															15	212	9.8
	3550	316	6.7	310	8.3	305	9.9	300	11.5															15	273	11.9
42	1750	78	1.9	74	2.4	71	2.8	69	3.3	66	3.7	64	4.2	61	4.7	57	5.6							14	55	3.2
	2950	150	3.3	147	4.1	144	4.9	141	5.7	139	6.5	136	7.2	134	8.0	130	9.6	128	10.3	126	11.1	124	11.9	16	121	6.2
	3550	187	4.1	183	5.1	180	6.0	177	7.0	175	7.9	172	8.8	170	9.8	166	11.6	164	12.6	162	13.5	160	14.4	16	157	7.6
45	1750	161	3.8	155	4.7	150	5.6	145	6.6	140	7.5	136	8.4	132	9.3									14	121	6.4
	2950	306	6.7	300	8.2	295	9.8	290	11.3	285	12.9	281	14.4	277	16.0									16	253	12.5
	3550	379	8.2	373	10.1	368	12.0	363	13.9	358	15.7	354	17.6	349	19.5									16	326	15.2
47	1750	215	5.0	208	6.2	201	7.4	195	8.6															14	165	8.4
	2950	407	8.8	399	10.8	392	12.9	386	14.9															15	348	15.4
	3550	502	10.9	495	13.3	488	15.8	482	18.3															15	444	18.8
53	1170	113	2.7	108	3.4	103	4.1	99	4.8	96	5.4	92	6.1	89	6.8	82	8.1							13	85	4.3
	1750	189	4.2	184	5.2	180	6.2	176	7.2	172	8.2	168	9.2	165	10.3	159	12.3	156	13.3	153	14.3			15	151	7.5
	2850	334	7.4	329	9.0	325	10.7	321	12.3	317	14.0	313	15.6	310	17.2	304	20.5	301	22.1	298	23.8	295	25.4	16	291	13.4
56	1170	196	4.6	188	5.7	182	6.9	175	8.0	170	9.1	164	10.2	159	11.4	150	13.6							14	146	7.8
	1750	324	7.0	316	8.7	310	10.4	304	12.1	298	13.8	292	15.5	287	17.2	278	20.5	273	22.2					15	266	12.6
	2850	567	12.2	560	15.0	553	17.7	547	20.5	541	23.2	536	26.0	530	28.7	521	34.2	517	37.0					16	501	22.4
59	1170	299	6.7	290	8.4	281	10.0	273	11.7															14	237	11.4
	1750	486	10.3	477	12.8	469	15.2	461	17.7															15	414	18.4
	2850	842	18.0	832	22.0	824	26.0	816	30.0															15	770	30.8
65	1170	223	5.2	215	6.4	208	7.7	202	8.9	196	10.2	190	11.5	185	12.7	175	15.2	171	16.5	166	17.7			14	171	8.7
	1750	365	8.0	358	9.9	351	11.8	344	13.7	339	15.6	333	17.4	328	19.3	318	23.1	313	24.9	309	26.8	305	28.7	16	297	15.1
	2350	513	11.4	505	13.9	498	16.4	492	19.0	486	21.5	481	24.0	475	26.5	465	31.6	461	34.1	456	36.6	452	39.1	16	445	20.6
68	1170	358	8.3	345	10.3	334	12.3	324	14.3	314	16.3	305	18.3	297	20.3	281	24.4	274	26.4	267	28.4			14	275	13.9
	1750	587	12.7	574	15.7	563	18.7	553	21.8	544	24.8	535	27.8	526	30.8	510	36.8	503	39.8	496	42.9			16	478	24.0
	2350	824	17.8	811	21.8	800	25.9	790	29.9	781	34.0	772	38.0	763	42.1	747	50.2	740	54.2	733	58.3			16	715	32.8
615	1170	670	15.4	647	19.1	626	22.9	607	26.7															11	581	20.5
	1750	1099	23.4	1076	29.1	1055	34.7	1036	40.4															12	989	33.7
	2350	1543	32.4	1520	40.0	1499	47.6	1480	55.2															12	1433	46.0
76	1170	393	8.6	383	10.6	374	12.7	367	14.8	359	16.8	352	18.9	346	21.0	333	25.1	328	27.2	322	29.2	317	31.3	15	319	15.4
	1750	628	13.4	618	16.5	609	19.6	601	22.7	594	25.8	587	28.9	580	32.0	568	38.1	562	41.2	557	44.3	552	47.4	16	543	24.9
	2050	749	16.2	740	19.8	731	23.4	723	27.0	716	30.6	709	34.3	702	37.9	690	45.1	684	48.7	678	52.4	673	56.0	16	664	29.5
711	1170	738	15.5	723	19.2	710	23.0	697	26.8	686	30.5	675	34.3	665	38.1									15	623	27.9
	1750	1166	23.9	1151	29.5	1138	35.2	1125	40.8	1114	46.4	1103	52.0	1093	57.7									16	1035	45.0
	2050	1387	28.6	1372	35.2	1359	41.8	1347	48.4	1335	55.0	1324	61.6	1314	68.2									16	1256	53.1
718	1170	1224	25.0	1202	31.1	1183	37.2																	12	1122	36.3
	1750	1920	38.2	1898	47.4	1879	56.5																	12	1818	54.8
	2050	2280	45.5	2258	56.2	2239	66.9																	12	2178	64.7

NOTES:
1. Performance based on inlet air at standard pressure of 14.7 psia, standard temperature of 68° F, and specific gravity of 1.0.
2. Vacuum ratings based on inlet air at standard temperature of 68° F, discharge pressure of 30" Hg and specific gravity of 1.0.

DESIGN AND CONSTRUCTION FEATURES

1. Detachable steel mounting feet
2. Rigid one-piece cast iron casing
3. Anti-friction bearings
4. Splash oil lubricated spur timing gears
5. Connections in standard pipe sizes
6. Ground steel shafts
7. Straight, precision machined two-lobe impellers



MEMORANDUM

**TO: CHAIRMAN AND BOARD MEMBERS
GLENPOOL UTILITY TRUST AUTHORITY**

**FROM: LYNN BURROW, PE
COMMUNITY DEVELOPMENT DIRECTOR**

**RE: REQUEST AIR BLOWER EQUIPMENT REPAIR AT THE
WASTEWATER TREATMENT PLANT**

DATE: AUGUST 2, 2021

BACKGROUND

This item is for Board consideration and action regarding the approval to authorize the repair of an existing air blower unit operating at the Glenpool Wastewater Treatment plant per the attached service quote received from Automatic Engineering of Broken Arrow in the amount of \$10,225.50. The repair of this unit is required in order to have one of the four forced air pumps be in rotation with the other three pumps that operate at all times. As noted in the proposal, the existing pump has been inspected in detail and has been determined to be rebuildable at a significantly less cost than that of a new unit. It should be noted that these existing pumps will likely be replaced or eliminated totally as part of the upcoming design of a replacement treatment plant within the next several years. This equipment repair is proposed to be funded from the FY 2021/2022 Annual Budget under item No. 2-6-16-6272 (Equipment Repair and Maintenance).

Staff Recommendation:

Due to the vendor's evaluation that this existing air pump is rebuildable and will be capable of many years of continued operation, Staff is recommending approval to authorize Automatic Engineering to fully repair, rebuild, and reinstall the existing air pump in question for the total price of \$10,225.50. Staff also recommends authorization be given to the City Manager to execute the corresponding Service Estimate and to make payment to this company upon satisfactory delivery and re-installation.

Attachment:

A. Proposal from Automatic Engineering

12205 S. Yukon, Glenpool, OK 74033 OFFICE: 918-322-5409 FAX: 918-209-4641

Mayor Joyce Calvert, Ward 3; Vice-Mayor Brandon Kearns, At-Large;

Tim Fox, Ward 1; Chris Brobst, Ward 2; Jacqueline Lund, Ward 4

City Manager David Tillotson, Assistant City Manager Susan White, City Clerk Wendy Knight

www.glenpoolonline.com

SERVICE ESTIMATE

Customer: City of Glenpool Contact : Rob Werley Date: 06/16/2021 Phone: 918-332-3822 Fax: 918-209-4626 Project: Blower Service Quote #: 7036277 Opp #: OP-531730	Automatic - Municipal Tulsa 412 N. Redbud Ave. Broken Arrow, OK 74012 Phone: 918-585-5703 Fax: 918-585-5707	 AUTOMATIC ENGINEERING SEWER & WATER
--	--	--

Dear Rob,

We are pleased to offer the following estimate for your review.

Line No	Quantity	Description of Unit	Net Each	Net Ext.
---------	----------	---------------------	----------	----------

Option 1: Removal, Repair of Roots 711 URAI Blower, Install of Repaired Blower
Option 2: Removal, Purchase of New Roots 711 URAI Blower, Install of New Blowers

1	1.00	ROOTS 711 URAI		
		Serial Number - GLENPOOL WWTP BLOWER		
	1.00	Parts To Include: Oil, ISO 220 Gasket, Gearbox Impellers Bearings Lip Seals Gear Nut Washer		
		Total		\$10,225.50

2		ROOTS 711 URAI		
	1.00	BLOWER, 7M		
		Total		\$14,087.50

\$15,150.00

Disassembly, Cleaning, Inspection and Estimating Charge **\$1,062.50**

Amount due if this unit is not repaired. An invoice for this charge will automatically generate within 90 days of this estimate. This charge is for DCI (Disassembly, Clean and Inspect). All units left at our facility for more than 6 months will be scrapped unless written notification is received.

Delivery: 4 - 5 week(s) after receipt of P.O.
 FOB Point: Shipping Point
 Terms of Payment: Upon Receipt
 Quote Validity: 30 Days

Thank you for the opportunity to provide you with this estimate. Please let us know how you would like to proceed.

Quoted By:
Jeremiah Case
jcane@cogentcompanies.com

Salesrep:
Joe Holbrook