

AERZEN USA CORPORATION

108 Independence Way
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**AERZEN**

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AERZEN Reference Number: ENV-299935

3-Jan-24

Re: Reno Stead GM 60S Replacement

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To: Justin Mercado Firm - Stead Water Reclamation Facility email - mercadoj@reno.gov phone - 775-399-2861
AERZEN Representative Info: Name - Brian Villacorta of Coombs-Hopkins e-mail - brian@chcwater.com phone - (760) 931-0555

AERZEN Proposal Prepared By: Name - Tom McCurdy email - tom.mccurdy@aerzen.com phone - (610) 656-1683
AERZEN Regional Manager: Name - Tom McCurdy e-mail - tom.mccurdy@aerzen.com phone - (610) 656-1683

Thank you for the opportunity to provide a quote for (1) Positive Displacement Blower Package.

The Aerzen Blower Package Performance and Scope of Supply is identical to the blower it is replacing. The sound enclosure is identical in configuration to the new machines. An option for a control panel is offered as well.

This scope of supply does NOT include the following items: MCC Starter, VFD, External Controls, Isolation Valves, Anchor Bolts and Installation Hardware. VFD is available, either separate or mounted.

Instrumentation as specified below, is part of this scope of supply.

New Blower**Model: GM 60S****Performance Data:**

		Design	Min
Intake volume, handled at intake condition	icfm	1,551	698
Volume handled at normal condition	scfm	1,164	524
Relative humidity	Φ	30%	30%
Intake pressure (abs.)	psia	12.20	12.20
Discharge pressure	psig	10.00	10.00
Intake temperature	°F	110	110
Discharge temperature	°F	269	300
Main rotor speed	rpm	2,417	1,300
Motor Speed	rpm	1,780	957
Power consumption at coupling	bHp	88.5	45.1
Motor Rating	HP	100	
Tolerance on flow & power	± 5 %		
Sound pressure level w/ enclosure	dB(A)	78	

*Measured in free field at 3ft. distance from the outline of the unit

*does not include system piping noise (tol. ± 2 dB(A)).

Weights & Dimensions:

Discharge connection	CS ANSI	8"
Blower pkg weight	lbs.	4,225
Envelope dim.*	L x W x H in.	81 x 67 x 83
Cooling Fan	shaft driven	shaft driven
AERtronic	kW	0.2

* non binding dimensions includes, inlet filter silencer, relief valve, check valve, and flex connector

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New Blower**GM 60S**

Aerzen Generation 5 Delta Blower Package consists of the following components, assembled in our factory.

- Aerzen Rotary Lobe Blower GM Series
- base frame with integrated reactive type, discharge silencer
- hinged motor support as automatic belt tensioning device
- set of vibration isolating mounts
- intake filter-silencer
- narrow V-belt drive with guard
- spring loaded pressure relief valve
- discharge manifold with externally accessible integrated check valve
- flexible connector with clamps for schedule 40 pipe, discharge

Scope of Supply

- 1 compact blower package as listed above
- 1 motor 100 HP, 4-pole, NEMA, TEFC, 460 V / 60 Hz, prm-eff, 405T, T-Stat, AEGIS ring
- 1 sound enclosure with integral shaft driven cooling fan
- 1 set of instrumentation (2.5" gauges: P1, P2, T2 with High Temp Switch), P2 Switch
- 1 set of sensors (P1, P2, & T2) w/AERtronic Control (120 VAC, 6 Amp), EM4 module
Offered in addition to gauges.

Factory Services

- 1 Simplified ISO-1217, Annex B test report(s)
- 1 submittal data, hard copy
- 1 O&M manual, hard copy
- 1 factory set PRV to 15.2 psig

Onsite Manufacturer Services

- 3 trip(s), 6 day(s) total installation inspection, startup, & training
- 1 trip(s), 5 day(s) total functional testing (VFD settings, switches, electrical connections, controls integration)
- additional mfg services beyond what is listed herein and/or resulting from delays will be invoiced separately

Spare Parts

- 1 air filter, 1 belt set,

Freight & Packaging

- 1 freight to jobsite
- 1 domestic packaging

TOTAL for 1 unit(s) \$124,400 Plus Tax

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Freight: CIP Jobsite

Terms: This offer is subject to Aerzen Standard Terms and Conditions (A2-001-USA January 2009)

Submittals: 4-6 weeks after receipt of Purchase Order

Delivery: presently approx. 4 months upon technical release by customer

Payment: 20% upon receipt of approved submittal, 75% upon shipment Net 30 and 5% retention not to exceed 180 days from shipment.

Warranty: 24 months after start up or 30 months after delivery, which ever comes first on Aerzen package*

*Maintenance must be performed per the Instruction Manual using Aerzen spare parts.

*Equipment not manufactured by Aerzen will carry the manufacturer's standard warranty.

Quote Validity: All prices quoted are valid for 30 days from the date stated on the quotation.