

AERZEN USA CORPORATION
108 Independence Way
Coatesville, PA 19320
Tel. (610) 380-0244 ~ Fax. (610) 380-0278



AERZEN

AERZEN Reference Number: ENV-441820
Re: Sanger WWTP, TX

28-Nov-23

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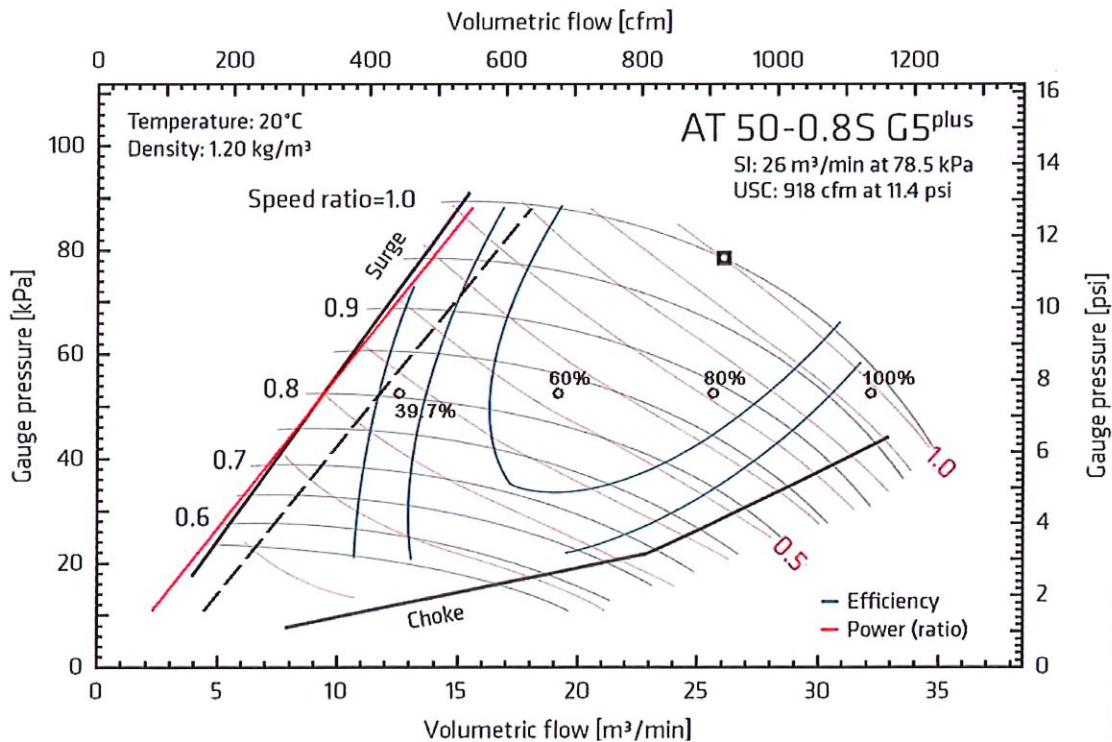
Turbo Blowers

Performance Data (Per Blower):

Volume, handled at intake condition
Volume handled at normal condition
Relative humidity
Intake pressure (abs.)
Pressure difference
Intake temperature
Discharge temperature
Rotor speed
Power consumption at shaft
Unit Power
Tolerance on flow
Tolerance on power
motor rating
Sound pressure level w/ enclosure
measured in free field at 3ft. distance from

AT 050-0.8S G5plus

	100%	80%	60%	40%
icfm	1172	937.3	703.1	464.7
scfm	999.8	799.7	600	396.6
%	100	100	100	100
psia	14.36	14.36	14.36	14.36
psig	7.4	7.4	7.4	7.4
°F	104	104	104	104
°F	201	198	198	203
rpm	41052	37568	35265	34091
BHP	45	35	26	19
kW	40.3	31.1	23.3	16.4
± 5%				
± 5%				
Hp	50			
dB(A)	80			



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To Jeff Caffey Firm - Plummer e-mail - jcaffey@plummer.com phone - (817) 343-0962
AERZEN Representative Info: Name - Hartwell Environmental Corp. e-mail - 0 phone - (281) 351-8501

AERZEN Proposal Prepared By: Name - Lester Dabu e-mail - lester.dabu@aerzen.com phone - (302) 582-1473
AERZEN Regional Manager: Name - Garrett Braun e-mail - gbraun@aerzen.us phone - (281) 702-3726

Turbo Blowers

AT 050-0.8S G5plus

Aerzen High Speed Centrifugal Blower Package consisting of the following components:

- Single Impeller turbo blower
- Ducted Inlet, flange connection
- Bump air foil bearings
- High speed PM motor
- Inverter
- Sound Enclosure
- PM motor cooling system
- Blow Off Valve
- Internal BOV sound baffle
- Integrated Enclosure Air Filtration system
- CPU
- LCP (MICOM control, Touch Screen)
- Protocol Converter, Ethernet I/P
- Set of necessary sensors (temp and pressure)
- 6 INCH Bellows style flexible joint, discharge

Scope of Supply

- (1) Compact blower package(s) as listed above
- (1) Nema 1 enclosed passive harmonic filter(s) (ships loose to be installed by others)
- (1) 6 INCH check valve(s) (ships loose to be installed by others)
- (1) 6 INCH discharge isolation valve(s) (ships loose to be installed by others)
- (1) 4 INCH BOV and motor cooling exhaust flexible connection(s) (ships loose to be installed by others)
- (1) Blower Anchor Bolt Set(s)
- (1) Engineering support for MCP modifications
- (1) set of stainless steel anchor bolts
- (1) stainless steel blower nameplate

Spare Parts

- (1) Set(s) of spare filter elements
- (1) Spare CPU

Mfg Services

- 1 day(s) mfg onsite services for inspection & startup allotted in (1) separate trip(s) for blower services (addl days \$1,800/day)
- 1 day(s) mfg onsite field testing allotted in (1) separate trip(s) for blower services (addl days \$1,800/day)
- 1 day(s) mfg onsite training allotted in (1) separate trip(s) for blower services (addl days \$1,800/day)
- Factory Testing of (1) Turbo Blower unit (PTC13 wire-to-air)

Freight and Packaging

- Freight to jobsite
- Domestic packaging

TOTAL for (1)

C/O: Hartwell Environmental Corp. (281) 351-8501

Freight: CIP - Job site

Terms: This offer is subject to Aerzen Standard Terms and Conditions (AMUSA.08.22.001)

Submittals: 4 weeks after receipt of Purchase Order

Payment: 20% upon drawings documentation, 70% upon delivery and 10% upon startup not to exceed 120 day from delivery

Delivery: presently approx. 35 weeks upon technical release by customer

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

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

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