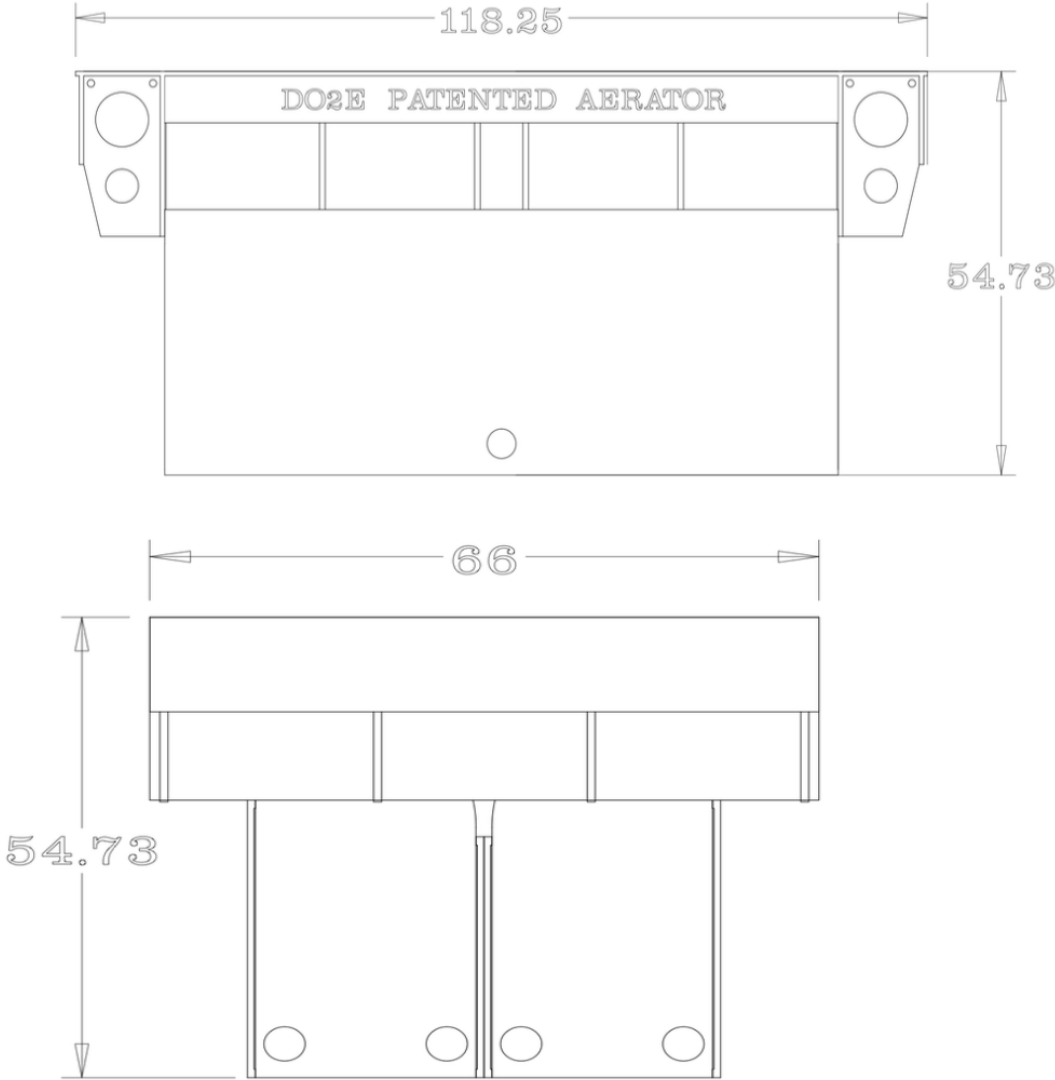


DO₂E High Volume Double Flow Aerator Dimensional Drawing

Aerator Dimensions: (Estimated weight 1100#'s)



Information subject to change without notification 040714

DO2E
Advanced Aeration Technology
50 Hp
High Volume Double Flow Aerator System

50 Hp Performance & Operating Data

Blower Hp.: 50
Model: DO2E TS-12K
Voltage: 460
Phase: 3
Hertz / Cy. 60
FLA: 56
RPM: 3,600

Run Amps: < 50
Brake Hp < 38

Open Flow: 1,410 scfm
Flow Rate: 1,225 scfm @ 70 IN WG:
Max. Press. IN WG: 110

★ **Aerator: High Vol. Double Flow**
★ **HP Rated: Max 50 (BHP >40)**
SOTR: < 4.85 (Clean Water)
★ **SOTR: < 2.25 (Dirty Water)**
SCFM: > 612.50 scfm @ 70 IN WG
★ **SCFM: > 1,225 scfm (X 2 aerators)**
Effluent Flow rate: > 24 MGD (1 aerator)
Effluent Flow Rate: > 48 MGD (2 aerators)
Draw Depth: > 19 Ft.

AERATION BASIN

Number of 50 Hp Blowers required: 25
Number of High Volume Floating Aerators require: 50

Total Plate HP: 1,250 Total Brake Hp: 950 SOTR: 2.25 x 50Hp x 24 Hrs. x 25 Blowers = SCFM: 1,225 scfm x 60 min. x 24 Hrs x 25 Blowers = Flow Volume: 24 MGD x 50 Aerators =	★ Projected Performance
	67,500 #'s of O2 / day 44,100,000 SCFM / Day 1,200,000,000 Gal. / Day

★ **(Based on Standard Oxygen Transfer for Clean Water)**

★ **Average transfer rate from 20 different basins with varying effluents**

★ **(Based on TWO HV Floating Aerators)**

★ **The performance numbers depicted above are estimates based on past performance and are NO Guarantee of future Performance.**