

NOTES:

1. ALL DIMENSIONS ARE IN INCHES. MULTIPLY BY 25.4 TO OBTAIN mm.
2. THIS EQUIPMENT IS DESIGNED TO SET ON PADS PROVIDED
3. DO NOT TRANSMIT EXTERNAL WEIGHT OR STRESS TO THE CASING. FLEXIBLE CONNECTIONS ARE REQUIRED.
4. DRAINS ARE 1/2 NPT WITH PLUGS.

MAT'L:

1. BASE - STRUCTURAL STEEL
2. IMPELLER - CAST ALUMINUM A356
3. BLOWER - CAST IRON ASTM A48 CL30
4. SHAFT - CARBON STEEL AISI 1144
5. PAINT - SPENCER TURBINE STANDARD PER PAINT PROCEDURE #STC-QAP-06.8

Total EST. Wt. 4,500 LBS

PERFORMANCE DATA

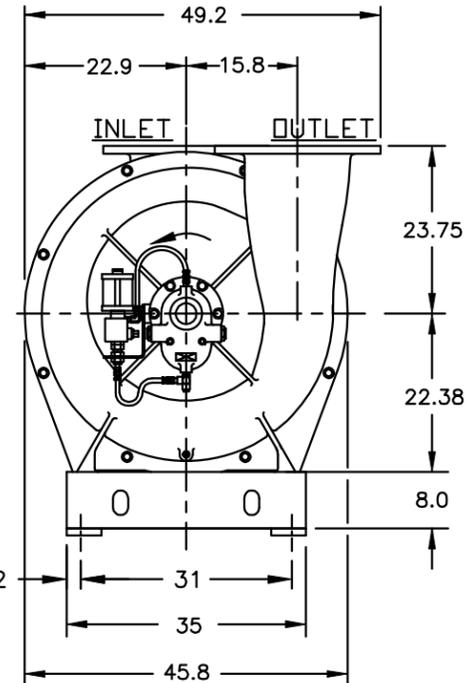
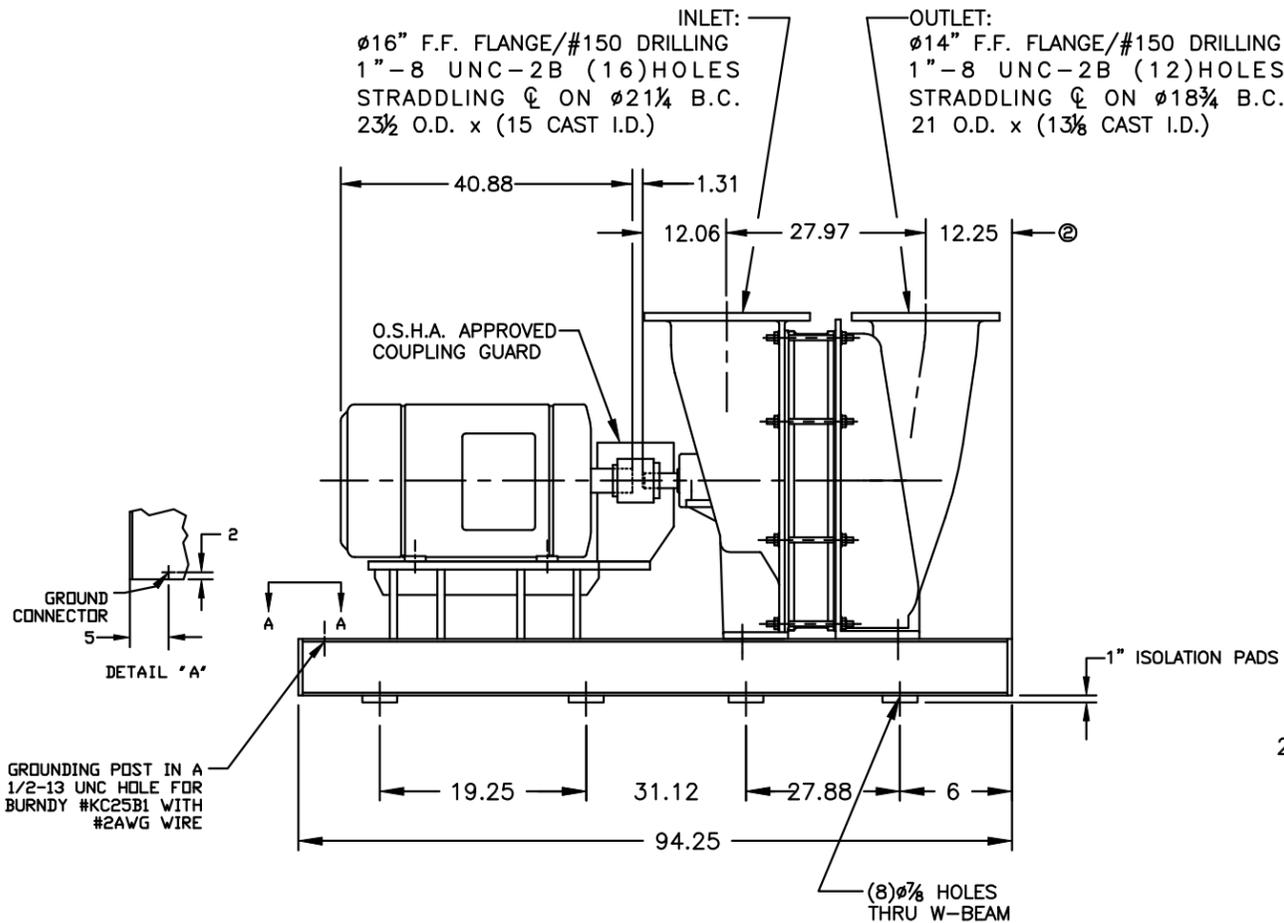
RATED 6205 ICFM
 INLET TEMP. 70 °F
 INLET PRESSURE 14.7 PSIA
 DIFFERENTIAL PRESSURE 3 PSIG
 DISCHARGE PRESSURE 17.7 PSIA
 SPECIFIC GRAVITY 1.0
 ALTITUDE - FT. ABOVE S. L.

MOTOR DATA

MAKE BALDOR
 HORSEPOWER 125 FRAME SIZE 444TS
 RPM 3500 VOLTAGE 460
 PHASE 3 HERTZ 60
 ENCLOSURE TYPE TEFC

COUPLING DATA

MAKE KOP-FLEX
 TYPE FLEXIBLE DISC
 MODEL/SIZE KD1 203
 MOTOR BORE 2.375 BLOWER BORE 2.125



SPX Cat#: 7404571
 Tag#: PG1080-BL1
 PG2080-BL1

PROJECT: KEMPER COUNTY IGCC, UNIT 1
 SERVICE: CO2 DEHYDRATION UNIT-REGENERATION BLOWER
 TAG No.: PG1080/2080-BL1/BL1M
 SOUTHERN Co. PO No.: MPC10026889

DIMENSIONS CERTIFIED FOR:

INSTALLATION OCALA, FL
 CUSTOMER SPX FLOW TECHNOLOGY USA
 CUSTOMER ORDER No. 4500462735
 SALES ORDER No. 209970
 SERIAL No. 814965 & 815966
 MODEL No. C52RIA1

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THE SPENCER TURBINE CO.

WINDSOR, CT. 06095

TITLE: OUTLINE DIMENSIONS (2) STG CENTRIFUGAL BLOWER, SERIES 5000

SIZE B DWG. NO. 209970P REV. 2

DR. BY CEL CK'D BY ENG.
 DATE 10/12/11 DATE DATE DATE DATE
 SCALE: NONE SHEET 1 OF 1

NO.	DESCRIPTION	DATE	DR. BY	CK' D
2	CHANGED BACK TO ORIGINAL DIM	1-26-12	CEL	EMC
1	ADD DROUND LUG, CUSTOMER INFO	1/17/2012	CEL	EMC

REVISIONS



ACCEPTANCE FOR ENGINEERING USE

THIS DOCUMENT IS:

ACCEPTED (Code 1) X
 ACCEPTED WITH COMMENTS (Code 2)
 NOT ACCEPTED (Code 3)
 NOT REVIEWED (Code 4)

ACCEPTANCE DOES NOT RELIEVE SUPPLIER FROM FURNISHING MATERIAL IN CONFORMANCE WITH ORDER. REFER TO SDR-1 FOR FULL DEFINITION OF ACCEPTANCE CONDITIONS.

DISCIPLINE MJ BY TST
 DATE 26 JUN 12

Southern Company Generation Kemper County
MM95837 C Unit 1

SPX FLOW TECHNOLOGY PO: MPC10026889
209970P Rev: 2
IGCC - GASIFIER - CO2 DEHYDRATION UNIT - BLOWER - OUTLINE-SECTIO