



CUSTOMER GENERATED ENERGY AUDIT WORKSHEET:

COMPANY INFORMATION:

COMPANY NAME: _____ CONTACT: _____

STREET: _____ CITY: _____ ZIP: _____

PHONE: _____ FAX: _____ EMAIL: _____

CONTACT COMPLETING THIS AUDIT:

PHONE: _____ FAX: _____ EMAIL: _____

*IF EVALUATING MULTIPLE, INDIVIDUAL PIECES OF EXHAUST EQUIPMENT, PLEASE COMPLETE INDIVIDUAL FORMS FOR EACH. COMPLETE ONE EVALUATION FOR EXHAUST SYSTEMS THAT HAVE MULTIPLE PIECES OF EQUIPMENT LINKED TO ONE DUCTWORK SOURCE.

SECTION A: EQUIPMENT

1) Make of filtration equipment:

Model# of filtration equipment:

Average hours of equipment operation:

Equipment cleaning cycle:

Filter Age: _____

Location of equipment (circle appropriate) : Indoor Outdoor Rooftop Ground Level

**Digital pictures of the location of equipment within the facility (i.e. rooftop, ground level, location in relation to the building and other businesses) will help us determine if the location is accessible for installation as well as determine if sound abatement accessories will be needed. Please send photos to pete@3pesi.com

SECTION B: EQUIPMENT ELECTRICAL

2) Voltage of equipment (circle one) 480 220 208

AMP's at the electrical box: _____

Power factor of motor (located on nameplate):

SECTION C: DUCTWORK

Measuring the run and determining the number of bends in the ductwork is a factor of how much pressure and wind speed is being produced.

3) Distance from extraction point to collection point (measure ductwork in standard measurement from machinery to equipment):

Number of bends and or turns in ductwork: _____

SECTION D: EXHAUST PORT

The muffler of the equipment must first be removed from the equipment before the measurement of the exhaust port can be attained (in Inches).

4) Exhaust Port shape (circle one): Circular Rectangular Square

Size of exhaust port: Width _____ Length _____

Depth (from back of exhaust port to lip) _____

Diameter (if applicable) _____

**Additional information may be needed for 3 Phase Energy Systems to determine the correct fit for the equipment. Providing us with digital pictures of the dust collector portal is recommended. Please send pictures to: pete@3pesi.com

SECTION E: WIND MEASUREMENT- Rectangular and Square Opening

(see next section for circular opening worksheet)

With equipment running, hold the anemometer 1” directly in the path of exhausting air in each quadrant (populate diagram template below with measurements) of the muffler until the reading on the anemometer peaks. This will measure the wind speed coming from the equipment and will provide information to find the baseline wind speed and will determine the amount of energy available for Regeneration.

Square and Rectangular measurement worksheet

Quad 1 _____ mph	Quad 2 _____ mph	Quad 3 _____ mph	Quad 4 _____ mph
Quad 5 _____ mph	Quad 6 _____ mph	Quad 7 _____ mph	Quad 8 _____ mph
Quad 9 _____ mph	Quad 10 _____ mph	Quad 11 _____ mph	Quad 12 _____ mph

For square muffler port types, measure and complete the bold area above. For rectangular muffler port types, complete entire areas 1-12.

PLEASE RETURN THIS COMPLETED WORKSHEET TO:

3 PHASE ENERGY SYSTEMS • SALES@3PESI.COM • FAX: 253-736-2249

**3 PHASE ENERGY SYSTEMS • 3205 C STREET NORTHEAST • AUBURN, WASHINGTON
98002 • 253-736-2248 • 3PESI.COM**

SECTION F: WIND MEASUREMENT- Circular Opening

With equipment running, hold the anemometer 1” directly in the path of exhausting air in each quadrant (populate diagram template below with measurements) of the muffler until the reading on the anemometer peaks. This will measure the wind speed coming from the equipment and will provide information to find the baseline wind speed and will determine the amount of energy available for Regeneration.

Circular muffler port worksheet

Quad 1 _____ mph	Quad 2 _____ mph	Quad 3 _____ mph
Quad 4 _____ mph	Quad 5 _____ mph	Quad 6 _____ mph
Quad 7 _____ mph	Quad 8 _____ mph	Quad 9 _____ mph

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