

APSP APPLIANCE EFFICIENCY POOL PUMP DATABASE INSTRUCTIONS, DECLARATION, AND TERMS OF USE

(Instructions last updated 2/1/2018)

This document includes three sections, General Instructions for submitting products to the Database, a Declaration affirming the accuracy of the product data being submitted, and Database Terms of Use. Read and complete all applicable sections, then provide a signed copy of this document with each electronic submission to the APSP Appliance Efficiency Pool Pump Database.

As a result of the US Department of Energy (DOE) August 7, 2017 Final Rule for Test Procedures for Dedicated Purpose Pool Pumps (Final Rule), effective February 5, 2018, manufacturers are no longer permitted to make any representations with regard to the energy consumption or cost of energy consumed by dedicated purpose pool pumps (DPPPs) unless this information was obtained as the result of the tests methods specified in the Final Rule, and includes the product's Weighted Energy Factor (WEF). Individual manufacturers were afforded the opportunity to seek a 180 day extension of this deadline.

As a result of the Final Rule, the APSP will make necessary revisions to its Pool Pump Database, effective February 5, 2018. As of this date, for existing or new listings on the Database, APSP will redact the information in the applicable columns/fields unless or until the manufacturer has submitted new data obtained in accordance with the test methods specified in the Final Rule, using this Form.

The following are the fields which will be redacted until such time that the manufacturer resubmits all data obtained in conformance with the Final Rule:

- Curve 'A' Power Watts
- Curve 'A' Energy Factor
- Curve 'C' Power Watts
- Curve 'C' Energy Factor
- Weighted Energy Factor
- Motor Efficiency
- Curve 'B' Power Watts
- Curve 'B' Energy Factor

GENERAL INSTRUCTIONS

Electronic submittals of appliance data are required to be accomplished by using the preformatted Microsoft Excel™ (Excel) files included in the certification documents. For submitting pool pumps to the database use "APSP_PUMP_SUBMISSION.xls" and for submitting replacement motors to the database use "APSP_MOTOR_SUBMISSION.xls". These preformatted files are available from the APSP website, at:

Using the preformatted Excel file is the only way to submit data to the APSP database. An Excel file submitted to the APSP must adhere to the following rules:

1. There must be only one appliance type per Excel file (Residential Pool Pump, or Residential Pool Pump Motor). This set of appliance-specific instructions is for the “Residential Pool Pump” appliance type.
 - a. For “Single-Speed” pumps there must only be one record for each Model Number.
 - b. For “Dual-Speed” pumps there must be two records for each Model Number.
 - c. For “Multiple-Speed” pumps there must be one record for each factory default speed.
 - d. For “Variable-Speed” pump there must be at least three records, one for high-speed and another for the low speed having a rotation rate that is no more than one-half of the motor’s maximum rotation rate, and a third for the best efficiency speed as determined by the manufacturer. Additional records for intermediate speeds are encouraged, but are not be required.

Example:

Model Number	Speed RPM	Motor Design	Curve-A gpm Flow	Curve-C gpm Flow
ACME-0.5-SP	3450	Single-speed	33	39
ACME-1.5-DS	3450	Dual-speed	63	82
ACME-1.5-DS	1725	Dual-speed	30	40
ACME-2.0-MS	3450	Multiple-speed	65	89
ACME-2.0-MS	1725	Multiple-speed	32	44
ACME-2.0-MS	1000	Multiple-speed	18	25
ACME-2.0-VS	3450	Variable-speed	65	89
ACME-2.0-VS	800	Variable-speed	15	20

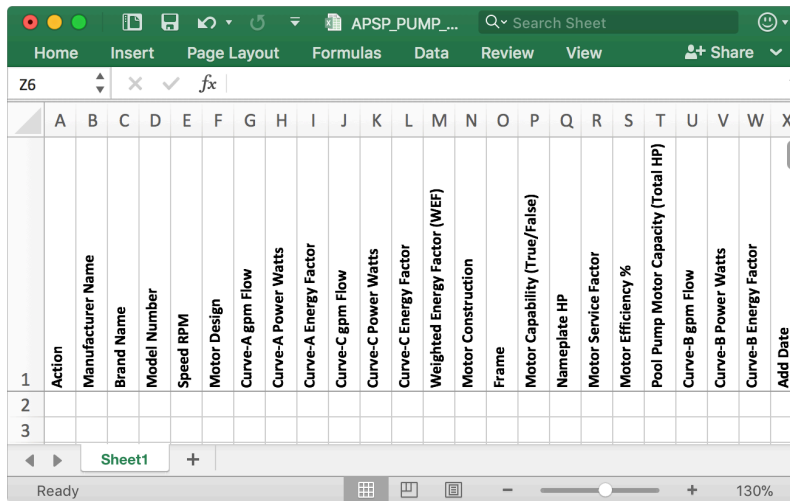
2. The attached Excel filename is to be specified as *COMPANY_PUMP_DATE.XLS* where "PUMP" is the appliance type and "DATE" is in the form mmddyy (month-month, day-day, year-year).

Example: ACME_PUMP_112311.xls

Where ACME = Company, PUMP = Residential pool pump, and where 112311 = November 23, 2011

Failure to properly name the import file will result in your data not being entered in the database.

3. When using the Excel file, the top row (Row 1) must contain column titles, starting at the top-left cell (cell A1). Column titles must **exactly** match those names shown as **[Bold in brackets]** within these instructions. Excel files cannot contain any completely blank columns between columns containing data; **all column titles must be present in order**. Example:



4. Excel files cannot contain any completely blank rows between rows containing data.
5. Only the first worksheet, named “Sheet1”, is to be used. All other worksheets must be blank, and any data entered on extraneous worksheets will not be processed.

When entering data, the first five columns ([Action], [Manufacturer Name], [Brand Name], [Model Number], [Speed RPM]) are “Identifier” columns; they **must** be filled out completely for each addition, change or deletion. The computer uses these “Identifier” columns to distinguish one record from another. Note that the column headings given below have two names: a plain language name is given in followed by an Excel-based electronic certification name given in **[Bold in Brackets]**. **The Excel-based name must be used in the Excel file.** Please note that the underlines and brackets described above are used for clarification only – underlines and brackets should not be used in headings when submitting data in electronic format.

Function [Action]

This is an Identifier column and must be filled out completely.

The function column tells the computer what to do with the information being provided. The following actions will be recognized.

Action
Addition
Change
Deletion

If you are adding a new appliance to our certification database, use “ADDITION”. If you are removing an appliance from our database because it has been decommissioned, retired, or deleting it for another reason, use “DELETION”. If you are updating or changing the data for an appliance that you have already added to our database, use “CHANGE”. Note that Identifier columns **cannot** be changed. For additional guidance see the Making Changes or Deletions section later in this document.

Manufacturer Code [Manufacturer Name] and Brand Code [Brand Name]

These are Identifier columns and must be filled out completely.

Enter the appropriate manufacturer code and brand code for each appliance. The manufacturer is the company that constructed the appliance; the brand name is the name that appears on the appliance and under which it is sold. In some cases the names are the same, but not all, and the Manufacturer and Brand codes may still differ from one another.

Model Number [Model Number]

This is an Identifier column and must be filled out completely.

Enter the model number as it will appear on the appliance's nameplate.

This technique may only be used with models that have identical data except for the model number. Further, asterisks **may not** be used for the first four characters; the first four characters of a model number must **always** be entered.

Example:

Without asterisks:

BP-1799853-BL (Big Pool Pump, Blue exterior)

BP-1799853-GR (Big Pool Pump, Green exterior)

Using asterisks:

BP-1799853-** (all identical Big Pool Pump models)

Remember, asterisks are appropriate only for models with identical data, and that one asterisk must be used for each character in the model number, including special characters and blanks.

Speed RPM [Speed RPM]

For each record, enter the pump motor's speed, in revolutions per minute, at which it was tested and from which the data was recorded. This value should be reported to the nearest whole number.

Motor Design [Motor Design]

Enter the appropriate design type of the motor included with the pool pump.

Motor Design
Dual-speed
Multiple-speed
Single-speed
Variable-speed

Curve 'A' Flow [Curve-A gpm Flow]

Enter the flow rate of curve 'A,' in gallons per minute, as determined using the appropriate test method. This value should be reported to the nearest whole number.

Curve 'A' Power [Curve-A Power Watts]

Enter the power use for curve 'A,' in Watts, as determined using the appropriate test method. This value should be reported to the nearest whole number.

Curve 'A' Energy Factor [Curve-A Energy Factor]

Enter the energy factor for curve 'A,' in gallons per Watt-hour, as determined using the appropriate test method. This value should be reported to two decimal places.

Curve 'C' Flow [Curve-C gpm Flow]

Enter the flow rate of curve 'C,' in gallons per minute, as determined using the appropriate test method. This value should be reported to the nearest whole number.

Curve 'C' Power [Curve-C Power Watts]

Enter the power use for curve 'C,' in Watts, as determined using the appropriate test method. This value should be reported to the nearest whole number.

Curve 'C' Energy Factor [Curve-C Energy Factor]

Enter the energy factor for curve 'C,' in gallons per Watt-hour, as determined using the appropriate test method. This value should be reported to two decimal places.

Weighted Energy Factor [Weighted Energy Factor (WEF)]

Enter the weighted energy factor in kilogallons per kilowatt-hour (kgal/kWh) as determined using the Final Rule test method. This value should be reported to a single decimal place.

Motor Construction [Motor Construction]

Enter the appropriate code representing the high-speed construction type of the motor included with the pool pump.

Motor Construction
Capacitor start - capacitor run
Capacitor start - induction run
Electronically-commutated motor
Permanent-split capacitor motor

Frame [Frame]

Enter the numeric descriptor of the frame of the motor, this value should be reported to the nearest whole number. Typical examples include 42, 48, 56, and 140.

Low-Speed Motor Capability [Motor Capability (True/False)]

For pool pump motors with a total horsepower 1.0 or greater.

Enter the appropriate answer representing whether the motor included with the pool pump is a multi-speed motor as described below.

Low-Speed Motor Capability
True – motor has the capability of operating at two or more speeds with the low speed having a rotation rate that is no more than one-half of the motor’s maximum rotation rate.
False – motor does <u>not</u> have the capability of operating at two or more speeds with the low speed having a rotation rate that is no more than one-half of the motor’s maximum rotation rate.

Nameplate Horsepower [Nameplate HP]

Enter the nameplate-listed horsepower of the pool pump. This value should be reported to two decimal places.

Pool Pump Motor Service Factor [Motor Service Factor]

Enter the service factor of the motor included with the pool pump. This value should be reported to two decimal places.

Motor Efficiency [Motor Efficiency %]

Enter the pool pump's motor efficiency, as determined using the appropriate test method. This value should be reported to one decimal place.

Pool Pump Motor Capacity [Pool Pump Motor Capacity (Total HP)]

Enter the pool pump motor's total capacity, in horsepower. This value should be reported to two decimal places.

Curve 'B' Flow [Curve-B gpm Flow]

Enter the flow rate of curve 'B,' in gallons per minute, as determined using the appropriate test method. This value should be reported to the nearest whole number.

Curve 'B' Power [Curve-B Power Watts]

Enter the power use for curve 'B,' in Watts, as determined using the appropriate test method. This value should be reported to the nearest whole number.

Curve 'B' Energy Factor [Curve-B Energy Factor]

Enter the energy factor for curve 'B,' in gallons per Watt-hour, as determined using the appropriate test method. This value should be reported to two decimal places.

MAKING CHANGES OR DELETIONS

To delete a record, enter "DELETION" in the [Action] column, and fill out the remaining Identifier columns exactly as they **currently** appear in the database, meaning either the most recent version of the electronic directory or a submittal you have sent in since the last directory was published.

To change a record, enter "CHANGE" in the [Action] column, and fill out the remaining Identifier columns exactly as they **currently** appear in the database. Then enter the changed value(s) in the appropriate column or columns. **Do not** enter values in columns that are unchanged.

Remember, you cannot change the information in Identifier columns with a change function. If the information in those columns needs modification, delete the existing record and add a new record with all of the correct information.

DECLARATION

To meet the requirements of Title 20 Section 1606, companies wishing to certify appliances with the APSP Appliance Efficiency Pool Pump Database (“Database”) you must provide complete and accurate contact information for themselves and for the test laboratory used to produce the certification data. Companies must then sign the Declaration on the following page. If a test lab was not used (for example, if a manufacturer is requesting only that models be deleted from the certification database), or if an appropriate exception has been met, the Test Laboratory information may be left blank. Any submission that includes data collected in compliance with the US Department of Energy (DOE) Final Rule for Dedicated Purpose Pool Pumps (Final Rule) shall include the Test Laboratory information.

When entering the information below, be sure to enter complete mailing addresses, including postal/ZIP codes.

Certifying Company

Contact Person Name *	Phone 1
Company Name **	Phone 2
Address	Fax
(Address)	E-mail
(Address)	Company Website (URL)

* If the contact person named above is NOT the person whose signature is on the Declaration, then the full contact information for the person whose signature is on the Declaration must also be provided on a separate sheet of paper.

** If the company named above is: A) a parent entity filing on behalf of a subsidiary entity; B) a subsidiary entity filing on behalf of a parent entity; or C) an affiliate entity filing on behalf of an affiliate entity, the above contact information (name, address, phone and fax numbers, etc.) must be provided for any additional entities on a separate sheet of paper.

Manufacturer (if different from above)

Contact Person Name	Phone 1
Company Name	Phone 2
Address	Fax
(Address)	E-mail
(Address)	Company Website (URL)

Note that submittals on behalf of a manufacturer by a third party must comply with additional requirements and instructions. Contact Carvin DiGiovanni at cdigiovanni@apsp.org for more information.

Test Laboratory

Test Laboratory Name ***	Phone
Address	Fax
(Address)	E-mail
(Address)	Test Method Performed

*** If appliance testing was performed by more than one laboratory, the above contact information (name, address, phone and fax numbers, etc.) must be provided for the additional laboratories on a separate sheet of paper.

Declaration

I declare under penalty of perjury state that:

- (1) all the information in this statement is true, complete and accurate,
- (2) units of each basic model of appliance for which certification is requested have been tested in accordance with all applicable requirements as stated in Section 4.1 of the ANSI/APSP/ICC 15 – 2011 *Standard for Residential Swimming Pool and Spa Energy Efficiency*;
- (3) the appliance complies with the applicable energy efficiency, motor design, and labeling requirements as stated in Section 4.1 of the ANSI/APSP/ICC 15 – 2011 *Standard for Residential Swimming Pool and Spa Energy Efficiency*;
- (4) all the information in this statement regarding motor efficiency is true, complete, and accurate as reported to us by the motor manufacturer _____ [insert name of motor manufacturer], and is in compliance with all applicable provisions of Section 4.1.1 of the ANSI/APSP/ICC 15 – 2011 *Standard for Residential Swimming Pool and Spa Energy Efficiency*;
- (5) all information pertaining to energy consumption and/or cost of energy used (Curve ‘A’ Power Watts, Curve ‘A’ Energy Factor, Curve ‘C’ Power Watts, Curve ‘C’ Energy Factor, Weighted Energy Factor, Motor Efficiency, Curve ‘B’ Power Watts, and Curve ‘B’ Energy Factor) was obtained in compliance with the US Department of Energy (DOE) Final Rule for Dedicated Purpose Pool Pumps (Final Rule);
- (6) [if the party submitting this statement is a corporation, partnership, or other business entity] I am authorized to make this declaration, and to file this statement, on behalf of the company named below.

Company Name

Date

Name/Title (please print)

Signature

DATABASE TERMS OF USE

_____ (“manufacturer”) submits the enclosed information for posting and inclusion on the APSP Appliance Efficiency Pool Pump Database (“Database”). In doing so, the manufacturer agrees to the following.

1. Manufacturer will complete and submit the APSP Declaration form, verifying under penalty of perjury that all information and materials provided for inclusion in the Database are true and accurate. Manufacturer is aware that this information may be relied upon by pool industry professionals, consumers and state and local governments, and that willful, knowing or reckless misrepresentation of information with regard to products listed in the Database may be a violation of Federal, State or Local law. No information will be included on the Database unless accompanied by this form.
2. Manufacturer is aware and agrees that access to this Database will be available to members of the APSP, Members of the Federal, as well as State and Local Governments, and the general public. As with any content on the Internet, The APSP does not have the ability to control or prevent the copying or other use of information or materials provided to it for inclusion in the Database.
3. APSP shall not be held liable for any improper or incorrect use of the materials or information described and/or contained in this site and assumes no responsibility for user's use of them. In no event shall the APSP be liable for any direct, indirect, incidental, special, exemplary or consequential damages (including, but not limited to, procurement or substitute goods or services; loss of use, data, or profits; or business interruption) however caused and on any theory of liability, whether in contract, statutory liability, strict liability or tort (including negligence or otherwise) arising in any way out of the use of this site or materials and information herein, even if advised of the possibility of such damage. This disclaimer of liability applies to any damages or injury, including but not limited to those caused by any failure of performance, error, omission, interruption, deletion, defect, delay in operation or transmission, computer virus, communication line failure, theft or destruction or unauthorized access to, alteration of, or use of record, whether for breach of contract, tortious behavior, negligence or under any other cause of action.
4. The materials in this site are provided "AS IS" and without warranties of any kind either express or implied. APSP disclaims all warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. APSP does not warrant that the functions contained in the materials in this site will be uninterrupted or error-free, that defects will be corrected, or that this site or the server that makes it available are free from viruses or other harmful components. APSP does not warrant or make any representations regarding the use or the results of the use of the materials or information in this site, or the accuracy, adequacy, completeness, legality, reliability, or usefulness of any materials or information in this site. Changes may be periodically made to the content of materials or information in this site, and these changes may or may not be reflected in the materials or information as presented in the site. Additionally, due to the dynamic nature of the Internet, materials and information freely available one day may be restricted the next day, or removed and undiscoverable due to changes in the organization of menus, homepages or files.
5. Reference in this site to any specific commercial product, process or service by trade name, trademark, manufacturer or otherwise in the Database does not constitute or imply an endorsement,

recommendation or approval by the APSP. Manufacturer shall not make any representation to the contrary.

6. To the extent permitted by applicable law, manufacturer agrees to defend, indemnify and hold harmless, the APSP, its directors, officers, employees and agents, affiliates, insurers, representatives, predecessors, and successors from and against all claims and expenses, including attorneys' fees, arising out of or in connection with the information provided to the APSP for inclusion in the Database.

7. These terms of use, including the legal disclaimers and indemnification, shall be governed by and construed in accordance with the laws of the State of Virginia, without giving effect to any principles of conflicts of law.

8. If any provision of these terms of use is declared unlawful, void or for any reason unenforceable, then that provision shall be deemed severable from the other terms and shall not affect the validity and enforceability of the remaining provisions.

Manufacturer Name

Date

Name/Title (please print)

Signature