

DOCKETED

Docket Number:	17-AAER-14
Project Title:	Appliance Efficiency Standards Certification Rulemaking for Residential Air Filters, Residential Pool Pump and Motor Combinations, and Replacement Residential Pool Pump Motors
TN #:	221422-1
Document Title:	Notice of Approval of Emergency Regulatory Action
Description:	OAL Matter Number: 2017-0825-01 for residential air filters and permanent magnet synchronous motors. Filing includes STD. 400 and Final Express Terms.
Filer:	Patrick Saxton
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	10/6/2017 2:59:50 PM
Docketed Date:	10/6/2017

**State of California
Office of Administrative Law**

In re:
California Energy Commission

Regulatory Action:

Title 20, California Code of Regulations

Adopt sections:

Amend sections: 1602, 1606, 1607

Repeal sections:

**NOTICE OF APPROVAL OF CERTIFICATE OF
COMPLIANCE**

**Government Code Sections 11349.1 and
11349.6(d)**

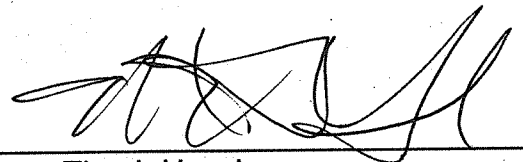
OAL Matter Number: 2017-0825-01

**OAL Matter Type: Certificate of Compliance
(C)**

In this rulemaking action, the Commission makes permanent emergency regulations that allow the certification of permanent magnet synchronous motors used in residential pool pump and motor combinations or used as replacement residential pool pump motors that are sold or offered in California. This action also makes permanent emergency regulations that change the date by which residential air filters sold or offered for sale in California must comply with the testing, marking, and certification requirements from July 1, 2016, to April 1, 2019.

OAL approves this regulatory action pursuant to section 11349.6(d) of the Government Code.

Date: October 5, 2017



Thanh Huynh
Senior Attorney

For: Debra M. Cornez
Director

Original: Robert P. Oglesby
Copy: Linda Barrera

NOTICE PUBLICATION/REGULATIONS SUBMISSION

CERT

(See instructions on reverse)

For use by Secretary of State only

STD. 400 (REV. 01-2013)

OAL FILE NUMBERS	NOTICE FILE NUMBER Z-2017-0606-01	REGULATORY ACTION NUMBER 2017-0825-01C	EMERGENCY NUMBER
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ENDORSED - FILED
in the office of the Secretary of State
of the State of California

OCT 05 2017
1:46 P.M.

For use by Office of Administrative Law (OAL) only

2017 AUG 25 A 8:34

OFFICE OF
ADMINISTRATIVE LAW

NOTICE	REGULATIONS
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AGENCY WITH RULEMAKING AUTHORITY California Energy Commission	AGENCY FILE NUMBER (If any) 17-AAER-14
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A. PUBLICATION OF NOTICE (Complete for publication in Notice Register)

1. SUBJECT OF NOTICE	TITLE(S)	FIRST SECTION AFFECTED	2. REQUESTED PUBLICATION DATE
3. NOTICE TYPE <input type="checkbox"/> Notice re Proposed Regulatory Action <input type="checkbox"/> Other	4. AGENCY CONTACT PERSON	TELEPHONE NUMBER	FAX NUMBER (Optional)
OAL USE ONLY	ACTION ON PROPOSED NOTICE <input type="checkbox"/> Approved as Submitted <input type="checkbox"/> Approved as Modified <input type="checkbox"/> Disapproved/Withdrawn	NOTICE REGISTER NUMBER 2017-24-2	PUBLICATION DATE 6-16-2017

B. SUBMISSION OF REGULATIONS (Complete when submitting regulations)

1a. SUBJECT OF REGULATION(S) Appliance Efficiency Standards	1b. ALL PREVIOUS RELATED OAL REGULATORY ACTION NUMBER(S) 2017-0315-03E, 2017-0315-04E
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SECTION(S) AFFECTED (List all section number(s) individually. Attach additional sheet if needed.)	ADOPT
	AMEND 1602, 1606, 1607
	REPEAL
TITLE(S) 20	

3. TYPE OF FILING

<input type="checkbox"/> Regular Rulemaking (Gov. Code §11346)	<input checked="" type="checkbox"/> Certificate of Compliance: The agency officer named below certifies that this agency complied with the provisions of Gov. Code §§11346.2-11347.3 either before the emergency regulation was adopted or within the time period required by statute.	<input type="checkbox"/> Emergency Readopt (Gov. Code, §11346.1(h))	<input type="checkbox"/> Changes Without Regulatory Effect (Cal. Code Regs., title 1, §100)
<input type="checkbox"/> Resubmittal of disapproved or withdrawn nonemergency filing (Gov. Code §§11349.3, 11349.4)	<input type="checkbox"/> Resubmittal of disapproved or withdrawn emergency filing (Gov. Code, §11346.1)	<input type="checkbox"/> File & Print	<input type="checkbox"/> Print Only
<input type="checkbox"/> Emergency (Gov. Code, §11346.1(b))		<input type="checkbox"/> Other (Specify) _____	

4. ALL BEGINNING AND ENDING DATES OF AVAILABILITY OF MODIFIED REGULATIONS AND/OR MATERIAL ADDED TO THE RULEMAKING FILE (Cal. Code Regs. title 1, §44 and Gov. Code §11347.1)

5. EFFECTIVE DATE OF CHANGES (Gov. Code, §§ 11343.4, 11346.1(d); Cal. Code Regs., title 1, §100)

<input type="checkbox"/> Effective January 1, April 1, July 1, or October 1 (Gov. Code §11343.4(a))	<input checked="" type="checkbox"/> Effective on filing with Secretary of State	<input type="checkbox"/> §100 Changes Without Regulatory Effect	<input type="checkbox"/> Effective other (Specify) _____
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6. CHECK IF THESE REGULATIONS REQUIRE NOTICE TO, OR REVIEW, CONSULTATION, APPROVAL OR CONCURRENCE BY, ANOTHER AGENCY OR ENTITY

<input type="checkbox"/> Department of Finance (Form STD. 399) (SAM §6660)	<input type="checkbox"/> Fair Political Practices Commission	<input type="checkbox"/> State Fire Marshal
<input type="checkbox"/> Other (Specify) _____		

7. CONTACT PERSON Linda Barrera	TELEPHONE NUMBER (916) 651-2924	FAX NUMBER (Optional)	E-MAIL ADDRESS (Optional) linda.barrera@energy.ca.gov
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8. **I certify that the attached copy of the regulation(s) is a true and correct copy of the regulation(s) identified on this form, that the information specified on this form is true and correct, and that I am the head of the agency taking this action, or a designee of the head of the agency, and am authorized to make this certification.**

SIGNATURE OF AGENCY HEAD OR DESIGNEE 	DATE 8-17-17
TYPED NAME AND TITLE OF SIGNATORY Robert P. Oglesby, Executive Director	

For use by Office of Administrative Law (OAL) only

ENDORSED APPROVED

OCT 05 2017

Office of Administrative Law

1602. Definitions.

... [skipping (a)-(f)]

(g) Pool Heaters, Portable Electric Spas, Residential Pool Pump and Motor Combinations, and Replacement Residential Pool Pump Motors.

... [skipping *Capacitor start-capacitor run* through *Nameplate HP*]

“Permanent magnet synchronous” means a motor that has a permanent magnet rotor, and windings on the stator, and is controlled by a single-phase or multi-phase sinusoidal alternating current.

... [skipping to the end of Section 1602]

Note: Authority cited: Sections 25213, 25218(e), 25402(a)-25402(c) and 25960, Public Resources Code; and sections 16, 26 and 30, Governor's Exec. Order No. B-29-15 (April 1, 2015). Reference: Sections 25216.5(d), 25402(a)-25402(c), 25402.5.4 and 25960, Public Resources Code; and section 16, Governor's Exec. Order No. B-29-15 (April 1, 2015).

1606. Filing by Manufacturers; Listing of Appliances in Database.

... [skipping (a)(1)-(3)]

Table X

Data Submittal Requirements

... [skipping (A)-(B)]

	<i>Appliance</i>	<i>Required Information</i>	<i>Permissible Answers</i>
C	Air Filters manufactured on or after April 1, 2019	Air filter sizes tested	Small, medium, large
		Minimum Efficiency Reporting Value (MERV)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 N/A
		Particle Size Efficiency for 0.3 to 1.0µm particle size	
		Particle Size Efficiency for 1.0 to 3.0µm particle size	
		Particle Size Efficiency for 3.0 to 10.0µm particle size	
		Test Procedure used to determine air filter efficiency performance	AHRI 680-2009, or ASHRAE 52.2-2012
		Air Filter Length	
		Air Filter Width	
		Air Filter Depth	
		Air Filter Face Area	
		Face Velocity Utilized for the test procedure	Value in feet per minute or N/A
		Airflow Rate value 1	
		Airflow Rate value 2	
		Airflow Rate value 3	
Airflow Rate value 4			
Airflow Rate value 5—Maximum Rated			

		Airflow Rate	
		Initial Resistance at air flow rate value 1	Test results to one-hundredths of an Inch of Water Column
		Initial Resistance at air flow rate value 2	Test results to one-hundredths of an Inch of Water Column
		Initial Resistance at air flow rate value 3	Test results to one-hundredths of an Inch of Water Column
		Initial Resistance at air flow rate value 4	Test results to one-hundredths of an Inch of Water Column
		Initial Resistance at air flow rate value 5	Test results to one-hundredths of an Inch of Water Column
		Final Resistance at the point where test is terminated and results determined	Test results to one-hundredths of an Inch of Water Column
		Dust Holding Capacity at the maximum rated airflow rate as published by the manufacturer	Test results in multiples of one gram.
		Airflow Rate value determined at an Initial Resistance of 0.1 Inch of Water Column	

... [skipping to the end of (C)]

... [skipping (D)-(F)]

... [skipping (G) Heat Pump Pool Heaters-(G) Other Pool Heaters]

	<i>Appliance</i>	<i>Required Information</i>	<i>Permissible Answers</i>
G	Residential Pool Pump and Motor Combinations and Replacement Residential Pool Pump Motors	Motor Construction	PSC, Capacitor Start-Capacitor Run, ECM, Capacitor Start-induction run, split-phase, Permanent Magnet Synchronous
		Motor Design	Single-speed, dual-speed, multi-speed, variable-speed
		Frame	
		Speed (in RPM)	
		Motor has 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	Yes, no
		Unit Type	Residential Pool Pump and Motor Combination, Replacement Residential Pool Pump Motor

	Pool Pump Motor Capacity	
	Motor Service Factor	
	Motor Efficiency (%)	
	Nameplate Horsepower	
	Pump Control Speed (compliance with Section 1605.3(g)(5)(B)2.)	Yes, no
	Flow for Curve 'A' (in gpm)	
	Power for Curve 'A' (in watts)	
	Energy Factor for Curve 'A' (in gallons per watt-hour)	
	Flow for Curve 'B' (in gpm)	
	Power for Curve 'B' (in watts)	
	Energy Factor for Curve 'B' (in gallons per watt-hour)	
	Flow for Curve 'C' (in gpm)	
	Power for Curve 'C' (in watts)	
	Energy Factor for Curve 'C' (in gallons per watt-hour)	

... [skipping to the end of Section 1606]

Note: Authority cited: Sections 25213, 25218(e), 25402(a)-25402(c) and 25960, Public Resources Code; and sections 16, 26 and 30, Governor's Exec. Order No. B-29-15 (April 1, 2015). Reference: Sections 25216.5(d), 25402(a)-25402(c), 25402.5.4 and 25960, Public Resources Code; and section 16, Governor's Exec. Order No. B-29-15 (April 1, 2015).

1607. Marking of Appliances.

... [skipping (a)-(c)]

(d) Energy Performance Information.

... [skipping (1)-(11)]

(12) Air Filters. Each unit of air filters manufactured on or after April 1, 2019, shall be marked, permanently and legibly, on an accessible and conspicuous place on the edge of the filter itself or on the pleats, in characters of font size 12, with the information specified in either section (A) or (B) below as applicable to the air filter model:

... [skipping to the end of Section 1607]

Note: Authority cited: Sections 25213, 25218(e), 25402(a)-25402(c) and 25960, Public Resources Code. Reference: Sections 25216.5(d), 25402(a)-25402(c) and 25960, Public Resources Code.