

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



Regulatory Advisory

July 2017

Residential Pool Pump and Motor Combinations and Replacement Residential Pool Pump Motors

This Advisory clarifies the regulatory standard in Title 20 California Code of Regulations (CCR) section 1605.3(g)(5) that applies to pool pump and motor combinations (pool pumps) and replacement pool pump motors (pool pump motors) for use in residential pools in California for filtration purposes. If they have a motor capacity of one horsepower (HP) or greater, these products must be able to operate at two or more speeds. Dual-speed, multiple-speed, or variable-speed pool pumps and pool pump motors are acceptable. Pool pump motor control standards also appear in Title 20 CCR section 1605.3(g)(5).

Single-speed pool pumps and pool pump motors with a motor capacity of one HP or greater do not meet the regulatory standard. It is illegal to sell, or offer to sell them, in California. This includes sales from installers to end-use consumers. California Public Resources Code section 25402.11 provides penalties of up to \$2,500 per violation.

Pool pumps and pool pump motors must also be marked correctly. Motor capacity must be located on the product's information label and be a value equal to the labeled HP multiplied by a motor service factor (S.F.). Some manufacturers refer to this value as total horsepower (THP). Applicable labeling requirements can be found in Title 20 CCR sections 1607(b) and 1607(d)(9).

Products that have been certified as meeting the above requirements can be found in the Appliance Efficiency Database at:

<https://cacertappliances.energy.ca.gov/Pages/ApplianceSearch.aspx>

Information on enforcement cases can be found at:

<http://www.energy.ca.gov/commission/enforcement/index.html>

For more information

To obtain a copy of the regulations or other related documents, visit the Appliance Efficiency Program website at <http://www.energy.ca.gov/appliances>. Questions may be addressed to the Appliances Title 20 Compliance Assistance Call Center, toll free inside California at (888) 838-1467, and outside California at (916) 651-7100, or by emailing appliances@energy.ca.gov.