



Washington State Building Code Council

Improving the built environment by promoting health, safety and welfare

1500 Jefferson Street SE • P.O. Box 41449 • Olympia, Washington 98504
(360) 407-9280 • fax (360) 586-5366 • e-mail sbcc@ga.wa.gov • www.ga.wa.gov/sbcc

STATE BUILDING CODE INTERPRETATION NO. 14-02

CODE: 2012 Washington State Energy Code, Commercial

SECTION: C101.4.3.2 Mechanical Systems
C403.2.10 Air system design and control

QUESTION 1: If parts of an existing HVAC system are altered or replaced, does that trigger the requirements of Sections C403.2.10.1 Allowable fan floor horsepower and C403.2.10.2 Motor nameplate horsepower?

ANSWER 1: **Yes, under Section C403.2.10.2, only those parts of the system that are altered or replaced must meet the motor horsepower where applicable.**

For Section C403.2.10.1, it would depend on the system in question. If incorporating a code compliant fan in an existing system would require replacing all the system ductwork to lower the system pressure drop, it would be impractical and come under the exemption in Section C101.4.3.2.

QUESTION 2: Would an electric motor only replacement in an existing HVAC be required to meet the allowable fan horsepower requirements?

ANSWER 2: **Yes, only those parts of the system that are replaced must meet the motor horsepower where applicable.**

QUESTION 3: If the replacement motor is a fractional horsepower fan motor, does it need to meet the efficiency and speed control requirements of Section C403.2.10.3?

ANSWER 3: **Yes, only those parts of the system that are replaced must meet the motor efficiency and speed control where applicable.**

SUPERSEDES: None

REQUESTED BY: Pierce County