
INSTALLATION INSTRUCTIONS

FULL FLOW ECONOMIZER & COMMERCIAL ROOM VENTILATOR (WITH 0-10 VDC MODULATING AND INTEGRAL EXHAUST)

Models:

QWSECON (920-0292 & 920-0293)

QWSCRV (920-0294)

For Use with Bard QW*S Series
Geothermal 2-Stage Heat Pumps



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Manual: 2100-655
Supersedes: **NEW**
Date: 12-2-15

CONTENTS

General
Description 3

Graphs
QW2S CRV Airflow vs. Damper Position 4
QW3S ECON Airflow vs. Damper Position..... 5
QW4S ECON Airflow vs. Damper Position..... 6
QW5S ECON Airflow vs. Damper Position..... 7

DESCRIPTION

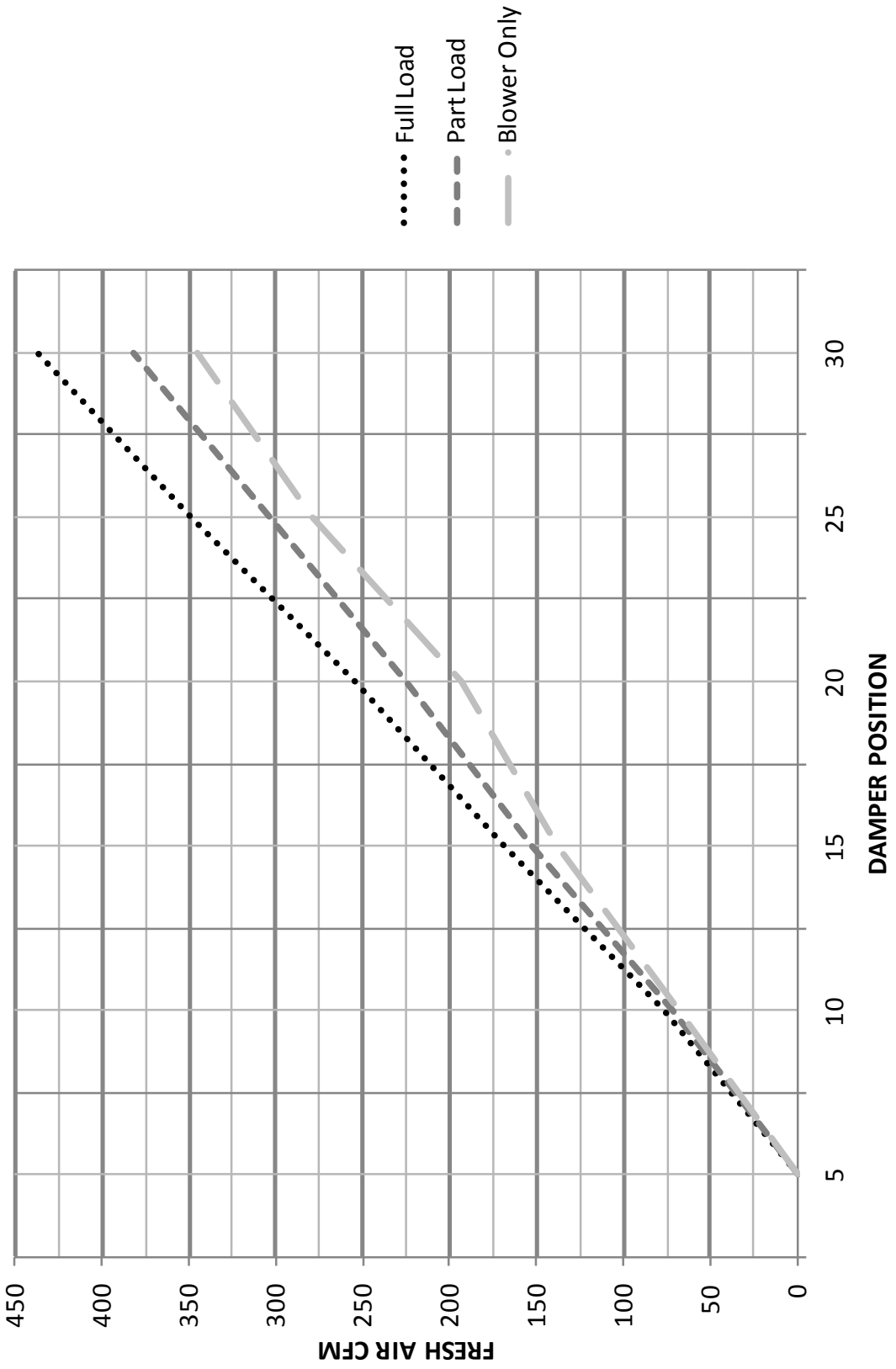
The QWSECON and QWSCRV ventilator are designed to be used with Bard QW*S Q-TEC series 2-stage geothermal heat pumps. They are electromechanical vent systems designed to provide fresh air to meet indoor air quality standards.

The 920-0292, -0293 and -0294 ventilation systems are designed specifically to allow control through the building DDC control. These systems do this by allowing a 0-10 Vdc modulating signal provided through the building DDC control to determine their position/ventilation CFM.

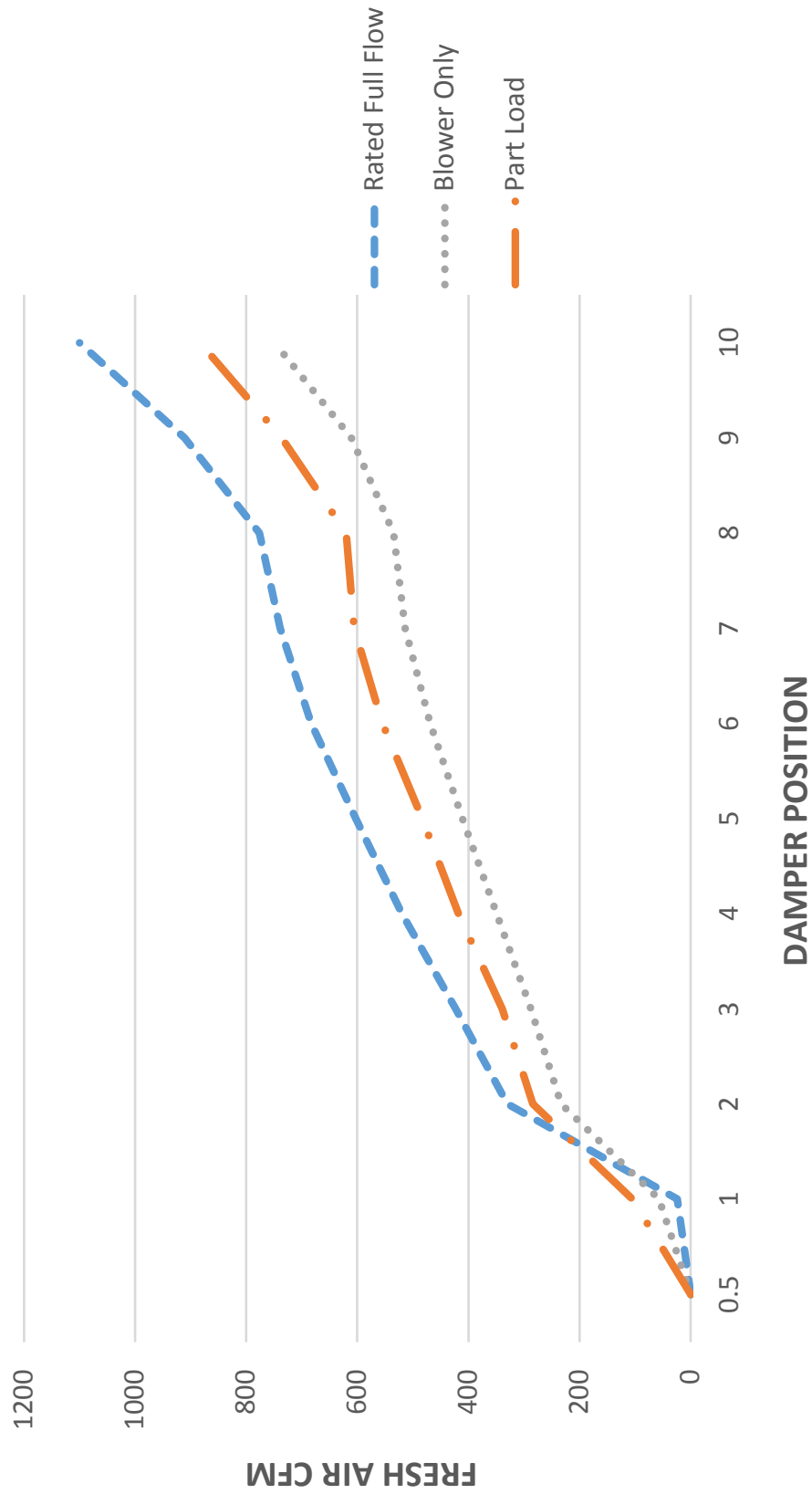
A subroutine will need to be created within the DDC system to regulate the damper position based upon the mode of operation. This is due to the fact that this is a multi-stage system in which the indoor airflow changes with the mode of operation. With the change in indoor airflow, the ventilation CFM also changes.

To develop/create these subroutines, see the charts on the following pages that match the QW*S Q-TEC series 2-stage geothermal heat pump models to specific ventilation CFMs based upon the mode of operation.

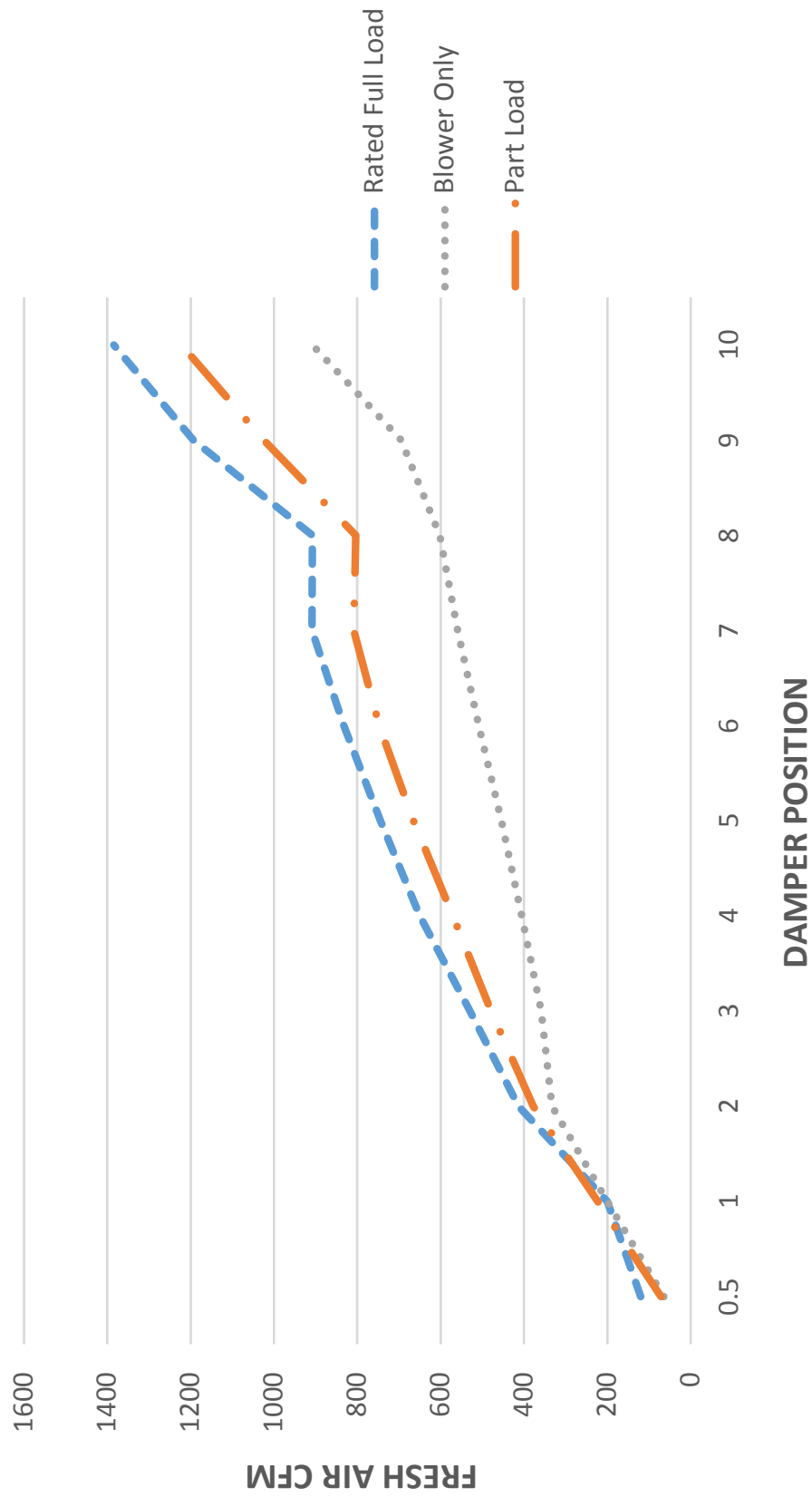
QWS2S CRV Airflow vs. Damper Position



QWS3S ECON Airflow vs. Damper Position



QWS4S ECON Airflow vs. Damper Position



QWS5S ECON Airflow vs. Damper Position

