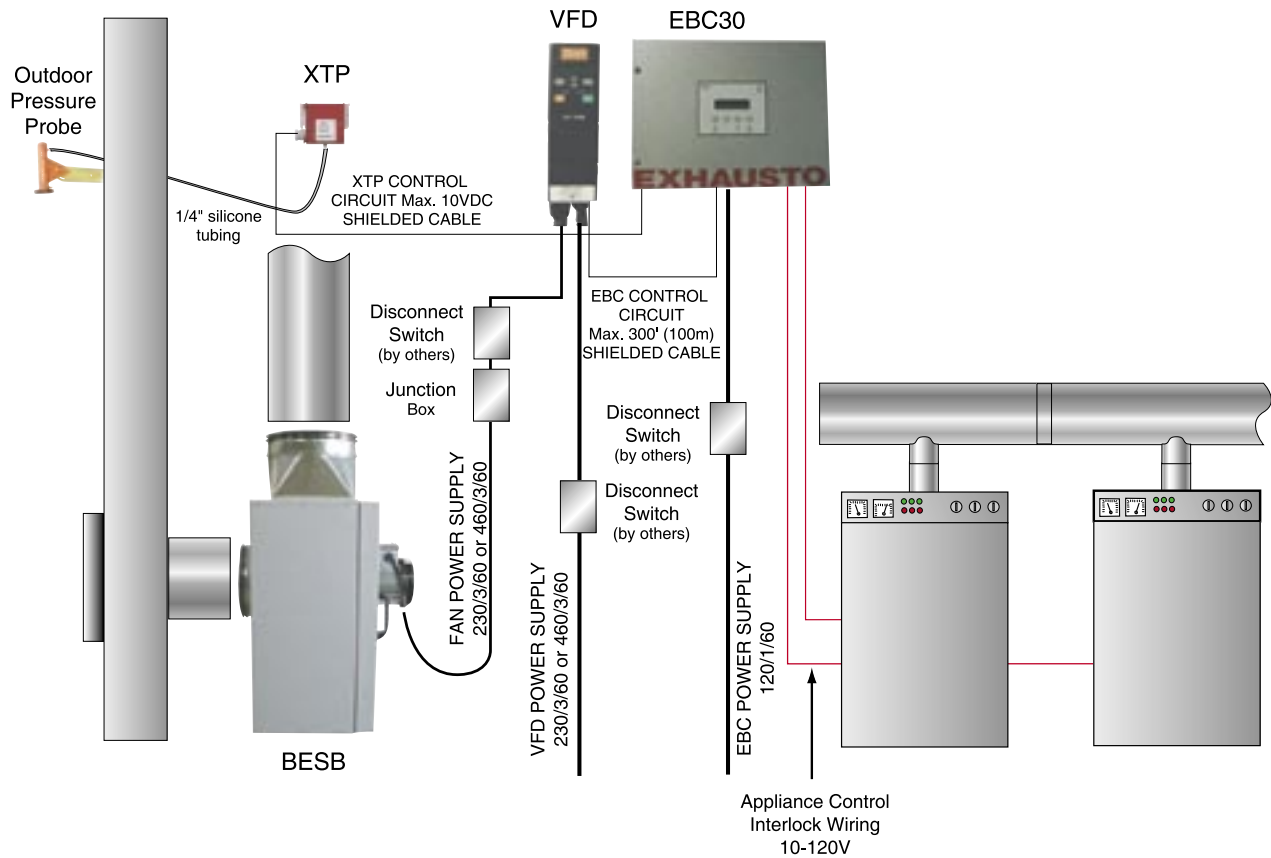


# MCAS, Modulating Combustion Air Supply System™ System Guide for MCAS315 to MCAS500



## System Components and Specifications

Model	Fan	Control	Danfoss VFD	If 6+ appliances	Duct Heater	Power Supply VFD	Max. Input Amp to VFD	Power Supply Fan	Max. Input Current Fan	Max Output Fan HP	RPM
MCAS315	BESB315		2807 (1HP)			220-240/1/60	16.7	230/3/60	4.0	1.0	1740
						200-240/3/60	8.2	230/3/60	4.0	1.0	1740
						380-480/3/60	3.0	460/3/60	2.3	1.0	1740
MCAS400	BESB400	EBC30, incl. XTP and stack probe	2815 (2HP)	Add-on Relay Board	Optional	220-240/1/60	24.3	230/3/60	6.5	2.0	1740
						200-240/3/60	12.2	230/3/60	6.5	2.0	1740
						380-480/3/60	5.1	460/3/60	3.8	2.0	1740
MCAS500	BESB500		2822 (3HP)			200-240/3/60	15.3	230/3/60	7.8	3.0	1740
						380-480/3/60	8.3	460/3/60	4.1	3.0	1740

Wiring	Wire Rating	Rating Amps	No. of leads	Max. Length	Min. Wire Gauge
EBC POWER SUPPLY	600V	6.3	3	**	14
XTP CONTROL CIRCUIT	-	<0.01	3	300'	24
FAN POWER SUPPLY	600V	5.8	3	**	14
APPLIANCE CONTROL CIRCUIT	**	**	4	**	**
EBC & VFD CONTROL CIRCUIT	-	<0.1	2	300'	24
VFD POWER SUPPLY	600V	see above	5	**	14

All wiring must comply with local codes, and in their absence, the National Electrical Code, NFPA 70.

\*\* Job specific - check local code