

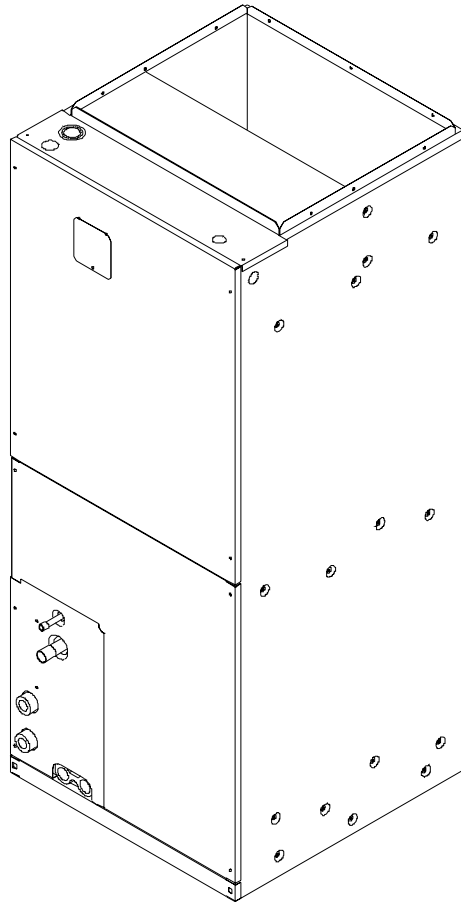
Technical Information

XBA Blowers

Model and Manufacturing
numbers listed in this manual.

<u>MODEL</u>	<u>M/N</u>
XBA48A	P1243301C
XBA60A	P1243302C

- Refer to Service Manual XS6200003 for installation, operation, and troubleshooting information.
- All safety information must be followed as provided in the Service Manual.
- Refer to the appropriate Parts Catalog for part number information.

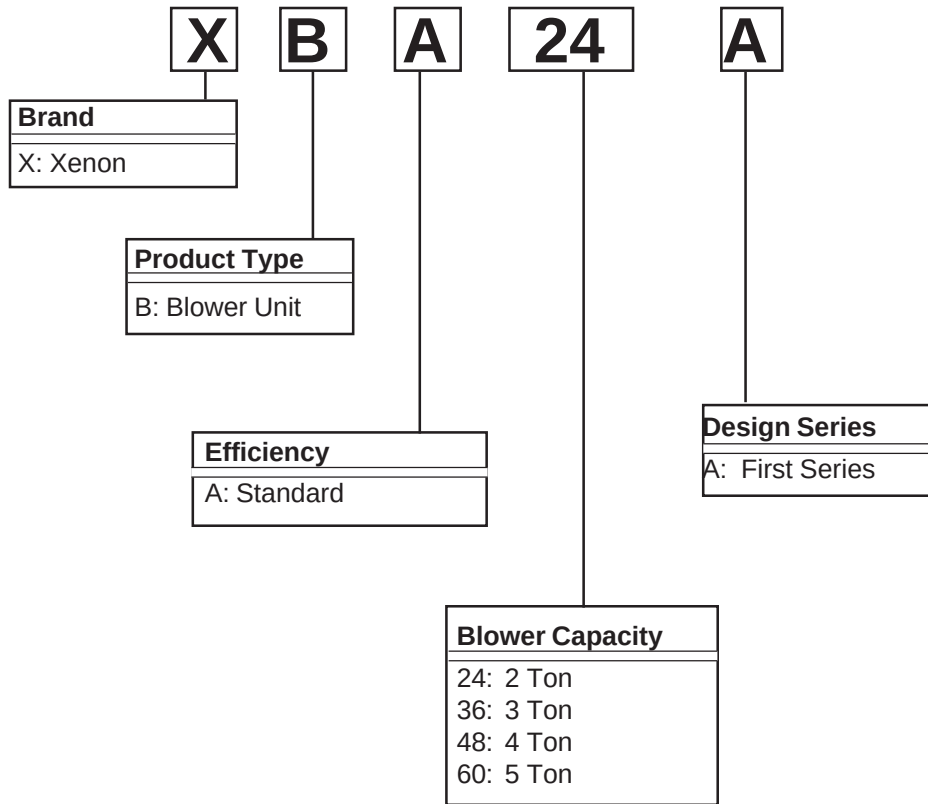


This manual is to be used by qualified HVAC technicians only. Xenon does not assume any responsibility for property damage or personal injury for improper service procedures done by an unqualified person.

PRODUCT IDENTIFICATION

The model and manufacturing number are used for positive identification of component parts used in manufacturing. At which time engineering and manufacturing changes take place where interchangeability of components are affected, the manufacturing number will change.

It is very important to use the model and manufacturing numbers at all times when requesting service or parts information.



WARNING

IF REPAIRS ARE ATTEMPTED BY UNQUALIFIED PERSONS, DANGEROUS CONDITIONS (SUCH AS EXPOSURE TO ELECTRICAL SHOCK) MAY RESULT. THIS MAY CAUSE SERIOUS INJURY OR DEATH.



CAUTION

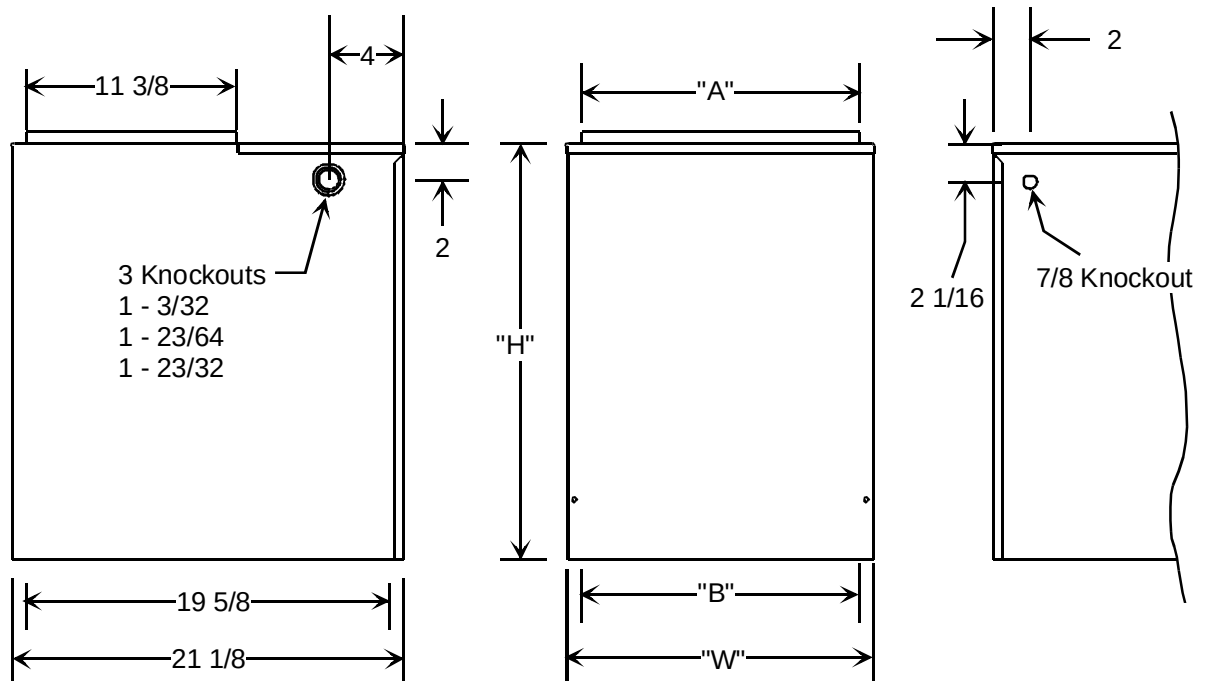
XENON WILL NOT BE RESPONSIBLE FOR ANY INJURY OR PROPERTY DAMAGE ARISING FROM IMPROPER SERVICE OR SERVICE PROCEDURES. IF YOU PERFORM SERVICE ON YOUR OWN PRODUCT, YOU ASSUME RESPONSIBILITY FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE WHICH MAY RESULT.

PRODUCT DESIGN

XBA blower cabinets are designed as a two-piece blower coil. The XBA blower section can be attached to a CCA_FC_, CHA_TC_, or CHF_TC_ cased evaporator coil. This two piece arrangement allows for a variety of mix-matching possibilities providing greater flexibility.

The XBA blower cabinets can be positioned for upflow, counterflow, horizontal right or horizontal left operation. All units are constructed with R-4.2 insulation. In areas of extreme humidity (greater than 80% consistently), the installer should insulate the exterior of the blower with insulation having a vapor barrier equivalent to ductwork insulation, providing local codes permit.

XBA BLOWER SPECIFICATIONS



MODEL	Dimensions, inches (mm)				Shipping Weight lbs.(kg)	Physical Information			
	W	H	A	B		Blower Wheel (D x W)	Blower Motor (HP)	MCA ¹	MOP ¹
XBA48A	20 - 1/2 (521)	22 - 1/4 (565)	19 (483)	19 (483)	78 (35.4)	10 x 10	1/3	3.8	15
XBA60A	24 - 1/2 (622)	26 - 1/4 (667)	23 (584)	23 (584)	90 (40.8)	11 x 10	1/2	4.9	15

¹ Minimum Circuit Ampacity (MCA) and Maximum Overcurrent Protection (MOP) for blower without supplemental heat installed. Refer to unit nameplate for MCA and MOP with approved accessory heaters installed.

XBA BLOWER COIL SPECIFICATIONS

EHK/ECB ELECTRIC HEATER DATA

Minimum Circuit Ampacity

Model	Heater	EHK05B/C	EHK07B/C	EHK10B/C	EHK15B/C	EHK20B/C	EHK25B/C	EHK30B/C	ECB15B/C +	ECB20B/C +	ECB25B/C +	ECB30B/C +
		ECB05B/C	ECB07B/C	ECB10B/C	ECB15B/C	ECB20B/C	ECB25B/C	ECB30B/C	SPK02A	SPK02A	SPK03A	SPK03A
XBA48A	L1/L2	29.7	43.2	55.7	55.7	55.7	55.7	55.7	81.6	107.6	133.6	159.5
	L3/L4				26	55	55	55				
	L5/L6						26	55				
XBA60A	L1/L2	30.9	44.4	56.9	56.9	56.9	56.9	56.9	82.8	108.8	134.8	160.7
	L3/L4				26	55	55	52				
	L5/L6						26	55				

Maximum Overcurrent Protection

Model	Heater	EHK05B/C	EHK07B/C	EHK10B/C	EHK15B/C	EHK20B/C	EHK25B/C	EHK30B/C	ECB15B/C +	ECB20B/C +	ECB25B/C +	ECB30B/C +
		ECB05B/C	ECB07B/C	ECB10B/C	ECB15B/C	ECB20B/C	ECB25B/C	ECB30B/C	SPK02A	SPK02A	SPK03A	SPK03A
XBA48A	L1/L2	30	45	60	60	60	60	60	90	110	150	175
	L3/L4				30	60	60	60				
	L5/L6						30	60				
XBA60A	L1/L2	35	45	60	60	60	60	60	90	110	150	175
	L3/L4				30	60	60	60				
	L5/L6						30	60				



CAUTION

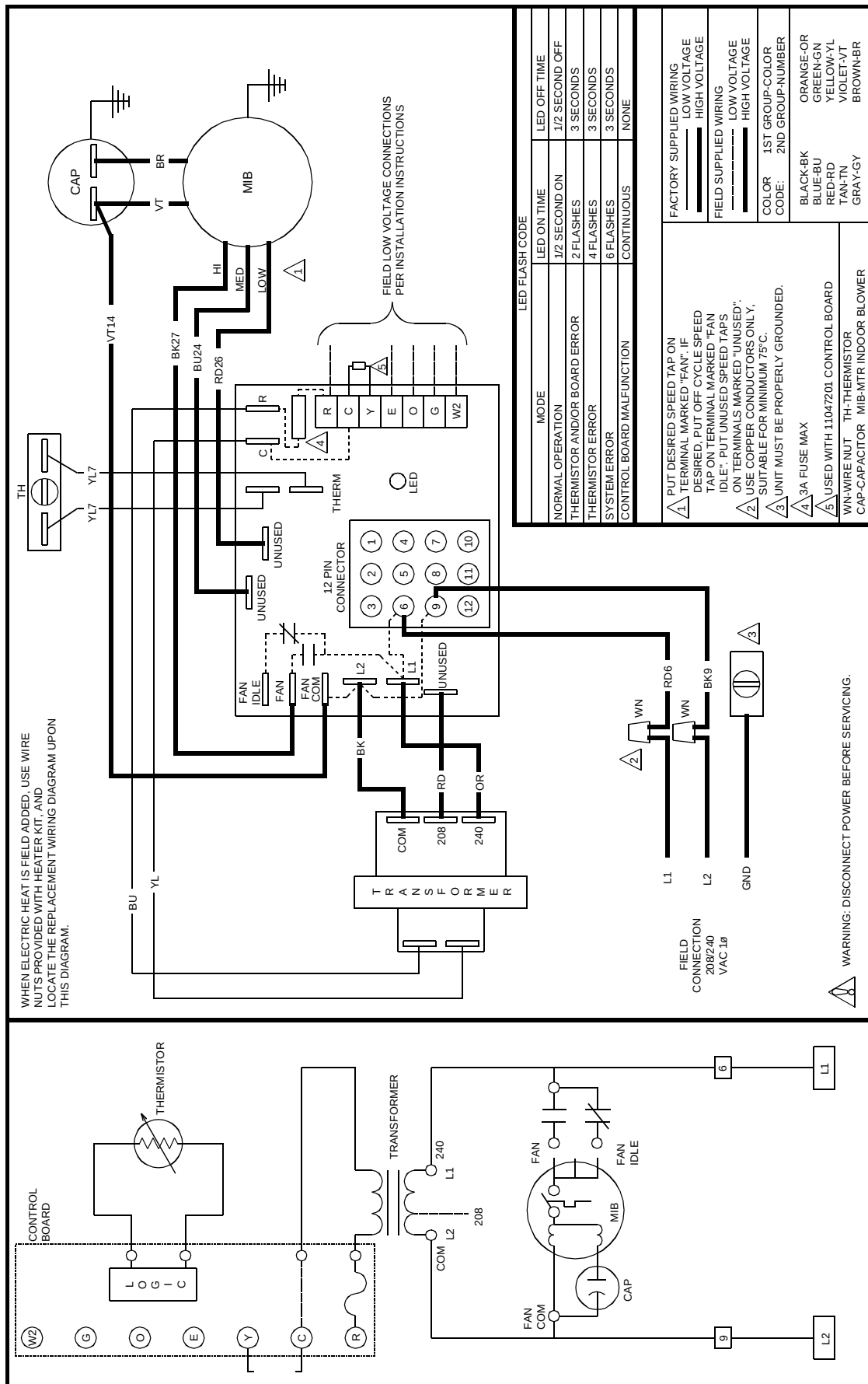
To avoid the risk of fire, overcurrent protection must not exceed the value listed above.

XBA BLOWER PERFORMANCE DATA

External Static (in. w.c.)	XBA48A Airflow (CFM)			XBA60A Airflow (CFM)		
	Low	Med	High	Low	Med	High
0.2	1090	1490	1720	1480	1680	2110
0.3	1060	1450	1670	1420	1630	2050
0.4	1020	1400	1620	1350	1560	2020
0.5	970	1340	1550	1280	1490	1940
0.6	910	1280	1470	1210	1420	1870
0.7	750	1170	1380	1100	1340	1770
0.8	650	1060	1220	1000	1240	1660
0.9		850	970	850	1110	1550

230 V, no heaters, no filter, no coil

WIRING DIAGRAMS



TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY, OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.

WARNING

XBA(48-60)A

WIRING DIAGRAMS

XA - CONDENSERS WITH XBA INDOOR BLOWER COIL WITH APPROVED THERMOSTATS*

Cooling only installation with no electric heat

A.) No Electric Heat

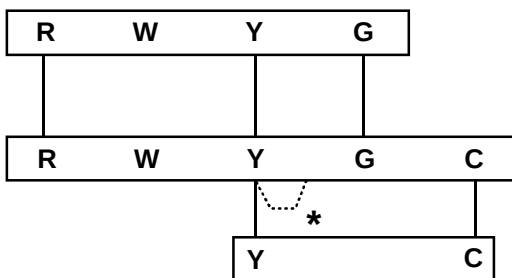
ROOM THERMOSTAT

(3 wires)

XBA BLOWER COIL

(2 wires)

XH OUTDOOR UNIT



Air Conditioning installation with electric heat

B.) With Electric Heat

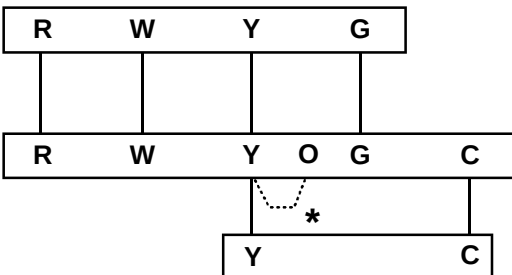
ROOM THERMOSTAT

(4 wires)

XBA BLOWER COIL

(2 wires)

XH OUTDOOR UNIT



* Approved Thermostats are: 1213402
1213401
1213408

COLOR CODE	
1ST GROUP COLOR	
2ND GROUP NUMBER	
OR-ORANGE	BK-BLACK
YL-YELLOW	BU-BLUE
VT-VIOLET	RD-RED
BR-BROWN	TN-TAN
GN-GREEN	GY-GRAY

TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY,
OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.



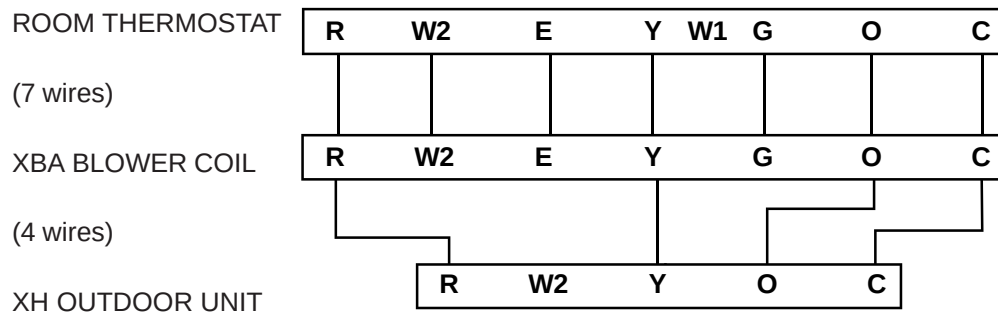
WIRING DIAGRAMS

XH-HEAT PUMPS WITH XBA INDOOR BLOWER COIL WITH APPROVED THERMOSTATS*

Heat Pump installation without back-up electric heat:

Not recommended where winter temperatures could drop
below 38 degrees

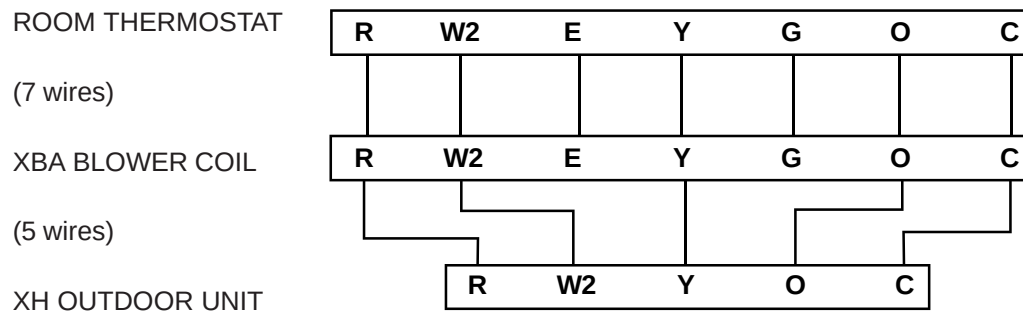
A.) No Electric Heat



Normal Heat Pump installation:

XBA controls all available heat through control
board/thermistor input.

B.) With Electric Heat



* Approved Thermostats are: 1213403
1213404
1213410
1213406

COLOR CODE	
1ST GROUP COLOR	
2ND GROUP NUMBER	
OR-ORANGE	BK-BLACK
YL-YELLOW	BU-BLUE
VT-VIOLET	RD-RED
BR-BROWN	TN-TAN
GN-GREEN	GY-GRAY

TO AVOID POSSIBLE ELECTRICAL SHOCK, PERSONAL INJURY,
OR DEATH, DISCONNECT THE POWER BEFORE SERVICING.

WARNING

