



20 INCH HIGH EQUIPMENT CURB
 ** 9 INCH HIGH EXHAUST ADAPTER MAY BE REQUIRED CURB/RAIL COMBINATION USED ON UNITS WITH 20" BLOWERS

1' NPT CONNECTION FOR SS PITCHED DRAIN PAN

COIL ACCESS DOOR

SERVICE DISCONNECT SWITCH BLOWER/MOTOR ACCESS DOOR

CONDENSER DISCONNECT DIM 'I'

DIRECT FIRED MODULE

AIRFLOW

SLOPED FILTER INTAKE

48 IN CLEARANCE REQUIRED ABOVE CONDENSERS

CONDENSER 1

CONDENSER 2

CONDENSER 3

RETURN DAMPER

CURB

CURB OUTER WALL

DISCHARGE OPENING

COOLING COIL MODULE

DOWNTURN PLENUM

UNIT INFORMATION

EXHAUST UNIT DIMENSIONS

BTU RANGE (MBH)

GAS PRESSURE

GAS CONNECTION

TONNAGE RANGE

FILTER SIZE & QTY

MAX. FILTER VELOCITY

OPTIONAL MIXING BOX FILTERS

OPTIONAL FILTER SIZE & QTY

DISCHARGE OPENING

RETURN DAMPER OPENING

ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL #	Y	Z	ZZ **
NCAB7A	14-1/2	22	19
NCAB7A	18-1/2	27-1/4	21
NCAB7A	21-1/2	30-1/4	21
NCAB7A	23	33-3/4	24-3/4
NCAB7A	23-1/2	39-3/8	28
NCAB7A	29-1/2	38-7/8	28
NCAB7A	30-5/8	43-3/8	33
NCAB7A	33-1/2	52-3/4	40

MODEL	WEIGHT	UNIT DIMENSIONS										CURB/RAIL		DISCHARGE OPENING										RETURN DAMPER OPENING									
		A	B	C	D	E	F	G	H	J	K	M	NM	N	P	R	S	T	U	V	W	X											
D500-G18	2060 LBS	234-1/2	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30										
D750-G18	2065 LBS	234-1/2	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30										
D1000-G18	2070 LBS	234-1/2	54-3/8	56-3/8	51-1/8	5-1/4	51-5/8	9-1/2	114-7/16	35	84	133	199-5/8	239-1/16	6-5/16	22-3/8	49-1/2	18	28	8	7	4-1/2	30										
D1500-920	3315 LBS	292-7/8	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	303-7/8	5-1/4	31-1/2	56-13/16	23-1/2	33	10	11	8	36										
D1500-920	3330 LBS	292-7/8	60-7/16	64-3/8	59-1/8	5-1/4	76-3/8	13-9/16	151	42	115-3/16	171-3/16	255-7/8	303-7/8	5-1/4	31-1/2	56-13/16	23-1/2	33	10	11	8	36										

MAX. ROOF OPENING 2" SMALLER THAN CURB OUTSIDE DIMENSION

OPTIONAL FILTERS

OPTIONAL MIXING BOX FILTERS

ADD CONDENSING UNIT WEIGHT TO WEIGHT IN TABLE ABOVE

MODEL	WEIGHT #	TONNAGE #1	TONNAGE #2	TONNAGE #3	CC	DD	EE
15 TON-G18	588 LBS	5 TON	5 TON	5 TON	29-15/16	73-5/16	68-1/16
15 TON-920	588 LBS	5 TON	5 TON	5 TON	29-15/16	94-5/16	89-1/16

CONDENSER INFORMATION

CONDENSER RANGE

BTU RANGE (MBH)

GAS PRESSURE

GAS CONNECTION

TONNAGE RANGE

FILTER SIZE & QTY

MAX. FILTER VELOCITY

OPTIONAL MIXING BOX FILTERS

OPTIONAL FILTER SIZE & QTY

Direct Fired Profile Plate Specifications

Direct fired burners shall have patented (US Patent No. US6495939B2), self-adjusting profile plates designed to ensure proper air velocity and pressure throughout across the burner. Profile plates shall be mounted along the same plane as the discharge of the burner. The maximum of 5ppm of carbon monoxide (CO), and 0.5ppm of Nitrogen dioxide (NO2).

Application:

Standard burner profile plates are engineered to automatically react to the momentum of a fresh air stream, without the need for any motors or actuators to mechanically adjust them. With this feature, all DF units are designed for demand control ventilation (DCV) requirements.

Certifications:

All profile plate assemblies shall be included in the DF unit's ETL listing and comply with combined safety standards ANSI Z89.4 and CSA 3.7 (non-recirculating DF heaters) and ANSI Z89.18 (recirculating DF heaters).

General Construction:

Profile plates shall be formed from G90 galvanized steel.

Profile plates shall vary in size per unit.

Profile plates shall be mounted along the same plane as the discharge of the burner.

Design shall incorporate properly torqued, permanently mounted spring hinges.