



ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

MODEL	WEIGHT	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	X
D250-G10	1080 LBS	167-1/4	39-3/8	42-3/4	39	3-3/4	48	7-13/16	95-7/16	3-1/8	16-3/4	21-7/8	5-3/4	6-1/8	13-7/8	3-1/4	11-1/2	19-1/4	59-3/8	91-1/2	133-5/8
D500-G10	1085 LBS	167-1/4	39-3/8	42-3/4	39	3-3/4	48	7-13/16	95-7/16	3-1/8	16-3/4	21-7/8	5-3/4	6-1/8	13-7/8	3-1/4	11-1/2	19-1/4	59-3/8	91-1/2	133-5/8
D500-G15	1455 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	60	7-13/16	109-7/16	5-1/8	24-3/4	28-7/8	5-3/4	6-7/8	22-3/8	3	18	25-1/4	65-3/8	105-1/2	147-5/8
D500-G15	1460 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	60	7-13/16	109-7/16	5-1/8	24-3/4	28-7/8	5-3/4	6-7/8	22-3/8	3	18	25-1/4	65-3/8	105-1/2	147-5/8
D750-G18	1465 LBS	181-1/4	49-3/8	47-3/4	44	3-3/4	60	7-13/16	109-7/16	5-1/8	24-3/4	28-7/8	5-3/4	6-7/8	22-3/8	3	18	25-1/4	65-3/8	110-1/2	152-5/8
D750-G18	1690 LBS	192-1/4	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	114-7/16	4-5/8	29-1/4	33-7/8	7-1/2	8-7/8	22-3/8	3	18	25-1/4	65-3/8	110-1/2	152-5/8
D1000-G18	1700 LBS	192-1/4	54-3/8	56-3/8	51-1/8	5-1/4	72	9-1/2	114-7/16	4-5/8	29-1/4	33-7/8	7-1/2	8-7/8	22-3/8	3	18	25-1/4	65-3/8	110-1/2	152-5/8
D1000-G20	2630 LBS	238-9/16	60-7/16	64-3/8	59-1/8	5-1/4	72	13-9/16	151	4-5/8	36-1/4	41-7/8	7-1/2	7-7/8	31-1/2	3	18	25-1/4	65-3/8	110-1/2	152-5/8
D1500-G20	2645 LBS	238-9/16	60-7/16	64-3/8	59-1/8	5-1/4	72	13-9/16	151	4-5/8	36-1/4	41-7/8	7-1/2	7-7/8	31-1/2	3	18	25-1/4	65-3/8	110-1/2	152-5/8
D2000-G25	3365 LBS	248-9/16	79-7/16	88-7/16	63-3/16	5-1/4	96	13-3/4	161-1/8	4-5/8	47	48-7/8	7-1/2	13-1/4	31-1/2	3	18	31-1/4	83-7/16	157-5/8	211-13/16
D2500-G25	3380 LBS	248-9/16	79-7/16	88-7/16	63-3/16	5-1/4	96	13-3/4	161-1/8	4-5/8	47	48-7/8	7-1/2	13-1/4	31-1/2	3	18	31-1/4	83-7/16	157-5/8	211-13/16

UNIT INFORMATION.

MODEL	BURNER LENGTH	BTU RANGE (MBH)	GAS PRESSURE		GAS CONNECTION	TONNAGE RANGE		FILTERS	
			MIN	MAX		MIN	MAX	FILTER SIZE & QTY	MAX. FILTER VELOCITY
D250-G10	6"	18	7" WC	14" WC	3/4"	3 Ton	12.5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM
D500-G10	12"	18	7" WC	14" WC	3/4"	3 Ton	12.5 Ton	20"x25"x2" (3)	@3000 CFM = 348 FPM
D500-G15	6"	18	7" WC	14" WC	1"	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D500-G15	12"	18	7" WC	14" WC	1"	5 Ton	20 Ton	16"x20"x2" (8)	@6000 CFM = 428 FPM
D750-G18	18"	27.5	7" WC	14" WC	1"	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D750-G18	12"	18	7" WC	14" WC	1"	10 Ton	25 Ton	20"x25"x2" (8)	@8000 CFM = 348 FPM
D1000-G18	24"	36.6	7" WC	14" WC	1-1/4"	20 Ton	40 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM
D1000-G20	24"	36.6	7" WC	14" WC	1-1/4"	20 Ton	40 Ton	16"x20"x2" (15)	@13000 CFM = 495 FPM
D1500-G20	30"	45.8	7" WC	5 PSI	1-1/4"	30 Ton	50 Ton	20"x25"x2" (12)	@21000 CFM = 609 FPM
D2000-G25	48"	73.3	7" WC	5 PSI	1-1/2"	30 Ton	50 Ton	20"x25"x2" (12)	@21000 CFM = 609 FPM
D2500-G25	60"	91.6	7" WC	5 PSI	1-1/2"	30 Ton	50 Ton	20"x25"x2" (12)	@21000 CFM = 609 FPM

Direct Fired Profile Plate Specifications

Direct fired burners shall have patented US Patent No. US669232B2, self-adjusting profile plates designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 3ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

Application: Spring-loaded burner profile plates are engineered to automatically react to the momentum of the burner flame to maintain a constant air velocity and pressure drop across the burner. Profile plates are designed to ensure proper air velocity and pressure drop across the burner. Profile plates shall allow burners to achieve clean combustion by limiting by-product levels to a maximum of 3ppm of carbon monoxide (CO), and 0.5ppm of nitrogen dioxide (NO2).

With this feature, all DF units are designed for demand control ventilation (DCV) requirements.

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. Profile design shall incorporate properly torqued, permanently mounted spring hinges.

Direct Fired (DF) Profile Plate Assembly

