

Engineering Data

Model DF-C-S and NDF-C-S

MECHANICAL REQUIREMENTS:

The type of cooking equipment and the type and volume of cooking determines the total exhaust volume according to four levels of equipment load:

LIGHT LOAD -- Steamers, ovens, kettles under 20 Gal., open burner ranges, griddles and electric fryers

MEDIUM LOAD -- Kettles under 60 Gal., hot-top ranges, woks, upright broilers and gas fryers

HEAVY LOAD -- Kettles under 80 Gal., gas broilers consuming maximum 25% of medium duty equipment line

EXTRA HEAVY LOAD -- Entire cooking line made up of gas broilers or equivalent

SUPPLY AIR:

Indicated supply quantities based on 80% of exhaust quantities. For "SI" style supply air, quantity will depend on cooking line; not for use over broilers.

ELECTRICAL:

An optional Carroll start/stop switch Model CS200 can be provided for each exhaust fan. Refer to the CS200 Switch Spec Sheet for specifications and electrical details. If specified, lights must be on separate 120 Volt circuit.

STATIC PRESSURE:

Static pressure drops across ventilator EXHAUST:

Model DF-C-S..... 1.00" W.G. at the duct collar

Model NDF-C-S..... 0.75" W.G. at the duct collar

Static pressure drops across ventilator SUPPLY:

Models DF-C-S and NDF-C-S..... 0.15" W.G. at the duct collar

AIR COLLARS: Exhaust - Based on 1800 FPM Supply - Based on 1000 FPM

HANGING WEIGHT:

Ventilator Depth	42" (1067mm)	48" (1219mm)	54" (1372mm)	60" (1524mm)
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Wt. /Linear ft. in lbs. 60 65 75 80

Wt. /Linear m. in kg. 89 97 12 119

Item No: _____ Height: _____

Est. Weight: _____ Exhaust CFM _____

Length: _____ Duct Size: _____

Width: _____ S.P: _____

AIR-SIDE TECHNICAL DATA						
LENGTH	LIGHT LOAD 150 CFM/LIN. FT. SP=0.25"		MEDIUM LOAD 250 CFM/LIN. FT. SP=0.25"		HEAVY LOAD 300 CFM/LIN. FT. SP=0.45"	
	CFM	DUCT COLLAR 10" X	CFM	DUCT COLLAR 10" X	CFM	DUCT COLLAR 12" X
3'-0"	450	4"	750	6"	900	6"
3'-6"	525	4"	875	7"	1050	7"
4'-0"	600	5"	1000	8"	1200	8"
4'-6"	675	5"	1125	9"	1350	9"
5'-0"	750	6"	1250	10"	1500	10"
5'-6"	825	7"	1375	11"	1650	11"
6'-0"	900	7"	1500	12"	1800	12"
6'-6"	975	8"	1625	13"	1950	13"
7'-0"	1050	8"	1750	14"	2100	14"
7'-6"	1125	9"	1875	15"	2250	15"
8'-0"	1200	10"	2000	16"	2400	16"
8'-6"	1275	10"	2125	17"	2550	17"
9'-0"	1350	11"	2250	18"	2700	18"
9'-6"	1425	11"	2375	19"	2850	19"
10'-0"	1500	12"	2500	20"	3000	20"
10'-6"	1575	13"	2625	21"	3150	21"
11'-0"	1650	13"	2750	22"	3300	22"
11'-6"	1725	14"	2875	23"	3450	23"
12'-0"	1800	14"	3000	24"	3600	24"
12'-6"	1875	15"	3125	25"	3750	25"
13'-0"	1950	16"	3250	26"	3900	26"
13'-6"	2025	16"	3375	27"	4050	27"
14'-0"	2100	17"	3500	28"	4200	28"
14'-6"	2175	17"	3525	29"	4350	29"
15'-0"	2250	18"	3750	30"	4500	30"
16'-0"	2325	19"	3800	31"	4650	31"