

## Standard Specifications

Description	MODELS	SDF3	SDF4	SDF5	SDF6	SDF7	SDF8	SDF9	SDF10	SDF15	SDF20	SDF25	SDF30	SDF35	SDF40	SDF45	SDF50	SDF60	SDF80	SDF100
		FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS	FS
Nominal Capacity	TR	31	41	52	61	70	81	92	105	151	202	249	289	330	379	423	473	589	749	962
Flow Rate	GPM	75	99	125	147	168	195	221	252	363	485	598	694	792	910	1016	1136	1414	1798	2309
Pressure drop Ft water	Ft.W	8	7.6	7.6	8	7	7.6	8	6	9	12	14	19	25	25	25	25	20	45	45
Nozzel Size	inch	3	3	3	4	4	5	5	5	5	5	6	6	6	6	8	8	8	8	10
Capacity	Kcal/hr	135391	180455	225550	270669	315770	360880	405990	515110	676650	902200	1127750	1353300	1578850	1804400	2029950	2255500	2706600	3608800	4511000
Flow Rate	GPM	54	72	90	108	126	144	162	180	270	360	450	540	630	720	810	900	1082	1443	1804
Pressure drop Ft water	Ft.W	6	6	6	6	6	6	6	6	6	8	8	8	8	8	8	8	10	14	16
Flow Rate	GPM	110	145	184	216	248	286	325	371	535	715	880	1023	1165	1338	1494	1670	2080	2644	3396
Pressure drop Ft water	Ft.W	12	12	12	12	12	12	12	17	25	20	24	25	33	33	33	33	30	50	50
Nozzel Size	inch	4	4	4	5	5	5	6	6	6	6	8	8	8	8	10	10	10	10	12
Capacity	Kcal/hr	270000	360000	450000	500000	600000	700000	800000	860000	1000000	1500000	2000000	2500000	2700000	3000000	3500000	4000000	4687500	5625000	6250000
Flow Rate	GPM	8.69	11.5	14	16	19	22	25.5	27.5	32	48	64	80	86	96	112	128	150	180	200
Connection Size	inch	1	1	1	1 1/4	1 1/4	1 1/2	1 1/2	2	2	2 1/2	3	3	3	3 1/2	3 1/2	4	4	4	4
Solution Pump	kw	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	3.7	3.7	3.7	5.5	5.5	5.5	7.5	11	15	15
Refrigerant Pump	kw	0.75	0.75	0.75	0.75	0.75	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	3.7	3.7	5.5	5.5	5.5
Vacuum Pump	kw	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.5	0.5	0.75
Hot Water Pump	kw	1	1	1.5	1.5	1.5	1.5	2.2	2.2	2.2	3	3	7.5	7.5	7.5	9	11	15	15	15
Burner	kw	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1	1	1.5	1.5	1.5	2	2.2

The data in the above table are based on:

- 1- Chilled water temperature in/out:
- 2- Cooling water temperature in/out:
- 3- Heating water temperature in/out:
- 4- Domestic Hot water temperature in/out:

### Notes:

- 1- For nominal and actual capacities, refer to table2.
- 2- Lowest heating value of city gas is 9000 kcal/m<sup>3</sup>.
- 3- Concerning the heating function during the winter time, the operating temperature should be limited to (167°F)
- 4- Specifications subject to change without prior notice.

Table:1

