



TDM Series Indirect Fired Heaters

Engineering Ratings Chart

Model Number	25	35	40	50	55	65	75	85	100	125	150	175	200	250	275	300	350	400	500	600
Input Capacity (1000 btu/hr)	312	437	500	625	687	812	937	1062	1250	1562	1875	2187	2500	3125	4347	3750	4375	5000	6250	7500
Output Capacity (1000 btu/hr)	250	350	400	500	550	650	750	850	1000	1250	1500	1750	2000	2500	2750	3000	3500	4000	5000	6000
Main Supply Fans (Quantity/Size)	2/12	2/12	2/12	2/12	2/12	2/15	2/18	2/18	2/18	3/18	3/18	3/18	3/18	3/18	3/20	3/22	3/22	3/22	3/25	3/25
Discharge Heads (Quantity/Size)	2/15	2/15	3/15	3/15	3/15	4/15	4/15	4/15	4/15	4/18	4/18	4/18	5/18	5/18	6/18	7/18	7/18	7/18	-	-
Nominal Air Volume (CFM)	2723	3813	4357	5447	5991	7081	8170	9295	10893	13616	16340	19063	21786	27723	29956	32680	38126	43573	54466	65360
Throw in Feet w/90° Nozzles	74	96	78	98	107	95	110	124	147	153	183	215	195	230	215	209	244	269	-	-
Throw in Feet w/45° Nozzles	83	116	87	110	120	106	123	140	165	171	205	238	218	248	239	234	274	298	-	-
Induced Draft Fan Motor HP	1/3	1/3	1/3	1/3	1/3	1/3	1/3	1/2	1/2	3/4	3/4	1 1/2	1 1/2	2	2	3	3	3	3	5
Standard Gas Burner Motor HP	1/8	1/8	1/8	1/4	1/3	1/3	1/3	1/3	1/3	1/2	1/2	1/2	1/2	1	1	1	1 1/2	2	3	5
Standard Oil Burner Motor HP	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	3/4	1	1	2	3	3	5	5	-	-
Recommended Stack Diameter (Inches)	8	8	8	8	8	10	10	10	10	12	12	12	12	12	14	14	14	14	16	16
Primary Combustion Chamber (Gauge)	16	16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	14	14	14	14
Secondary Tubes (Gauge)	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14	14
Natural Gas Conn. with 7" W.C. Inlet Pressure (Inches N.P.T)	3/4	3/4	1	1	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	2	2	2	2	2 1/2	2 1/2	3	3	3	3
Natural Gas Conn. with 14" W.C. and Over Inlet Press. (Inches N.P.T)	3/4	3/4	3/4	3/4	1	1	1	1	1	1 1/4	1 1/2	1 1/2	1 1/2	2	2	2	2	2 1/2	2 1/2	2 1/2
Filter Box Initial Pressure Drop at Nominal CFM (Inches W.C.)	.06	.12	.07	.11	.13	.10	.14	.08	.11	.11	.15	.21	.11	.17	.15	.14	.18	.24	.22	.30
Mixing Box Pressure Drop at Nominal CFM (Inches W.C.)	.03	.06	.05	.07	.09	.06	.08	.11	.14	.08	.11	.15	.08	.14	.12	.10	.14	.18	.11	.18
Discharge Heads Pressure Drop at Nominal CFM (Inches W.C.)	.17	.34	.19	.30	.36	.27	.36	.46	.63	.38	.55	.74	.63	1.02	.83	.70	.95	1.24	-	-

Note: The above chart is a guide. In order to maintain our policy of continuous product improvement, we reserve the right to make changes without notice.