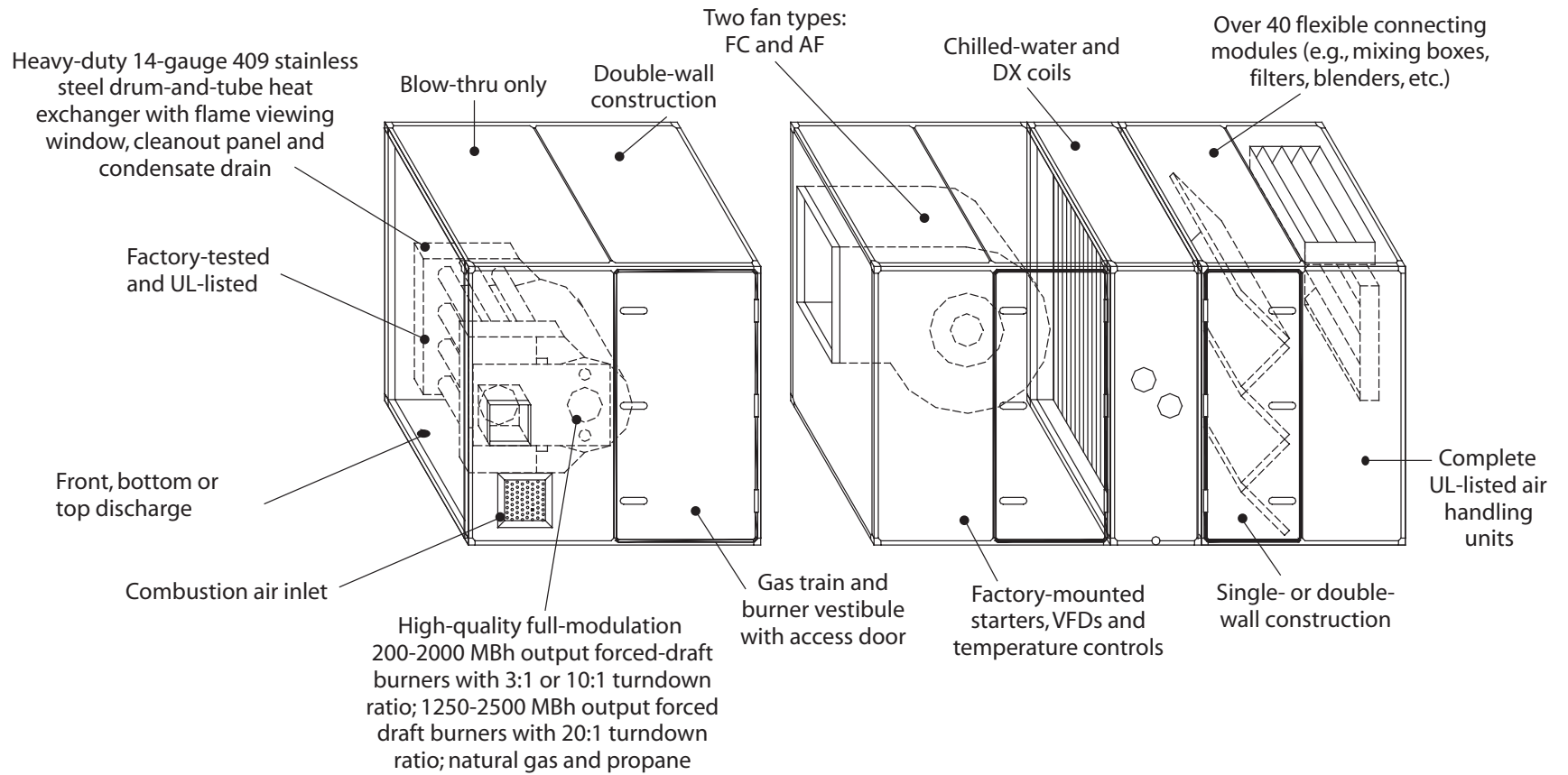




TRANE[®]

M-Series Climate Changer[™] Gas Heat Module

- CW/DX applied indoor air handlers
- Factory-packaged gas heat
- Industrial-quality components





M-Series Climate Changer™ Gas Heat Quick Select

Unit Size	6	8	10	12	14	17	21	25	30	35	40	50	57	66	80	100	120
Nominal CFM	3000	4000	5000	6000	7000	8500	10500	12500	15000	17500	20000	25000	28500	33000	40000	50000	60000
Minimum CFM	2250	3000	3750	4500	5250	6375	7875	9375	11250	13125	15000	18750	21375	24750	30000	37500	45000
MBh Output	200	200	200	200	200	200	200										
Temperature Rise	61 / 81	45 / 61	36 / 48	30 / 40	26 / 35	21 / 29	17 / 23										
Piping Vestibule	External	External	External	External	Internal	Internal	Internal										
Section Length	56.5	55	60.5	58	59.5	59.5	50.25										
Section Weight	1065	1094	1130	1111	1139	1173	1095										
MBh Output	300	300															
Temperature Rise	91 / 101	68 / 91															
Piping Vestibule	External	External															
Section Length	72	78															
Section Weight	1170	1226															
MBh Output			360	360	360	360	360	360	360	360							
Temperature Rise			65 / 87	55 / 73	47 / 62	39 / 51	31 / 42	26 / 35	22 / 29	19 / 25							
Piping Vestibule			External	External	External	External	External	Internal	Internal	Internal							
Section Length			70	70	70.5	70.5	69.25	67.5	67.5	63.75							
Section Weight			1407	1422	1476	1519	1527	1552	1502	1547							
MBh Output				560	560	560	560	560	560	560	560	560	560				
Temperature Rise				85 / 101	73 / 97	60 / 80	48 / 65	41 / 54	34 / 45	29 / 39	25 / 34	20 / 27	18 / 24				
Piping Vestibule				External	External	External	External	External	Internal	Internal	Internal	Internal	Internal				
Section Length				70	70.5	70.5	84.25	67.5	67.5	63.75	63.75	68.5	68.5				
Section Weight				1437	1491	1534	1542	1567	1517	1562	1609	1738	1791				
MBh Output						700	700	700	700	700	700	700	700				
Temperature Rise						75 / 100	61 / 81	51 / 68	42 / 57	36 / 48	32 / 42	25 / 34	22 / 30	19 / 26			
Piping Vestibule						External	External	External	Internal	Internal	Internal	Internal	Internal	Internal			
Section Length						82	84.25	72	72	75.25	75.25	68.5	68.5	69			
Section Weight						1806	1770	1716	1669	1875	1936	1858	1911	2370			
MBh Output							860	860	860	860	860	860	860	860	860		
Temperature Rise							74 / 99	63 / 83	52 / 69	45 / 60	39 / 52	31 / 42	27 / 37	24 / 32	20 / 26		
Piping Vestibule							External	External	Internal	Internal	Internal	Internal	Internal	Internal	Internal		
Section Length							84.25	75.5	75.5	75.25	75.25	83	68.5	84	74		
Section Weight							2020	1991	1947	2125	2186	2373	2161	2432	2822		
MBh Output							1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Temperature Rise							87 / 101	73 / 97	61 / 81	52 / 69	45 / 61	36 / 48	32 / 43	28 / 37	23 / 30	18 / 24	15 / 20
Piping Vestibule							External	External	External	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Section Length							93.75	83	81	75.25	75.25	83	83	84	92	80	96
Section Weight							2482	2450	2441	2470	2531	2718	2789	2777	2941	3407	3266
MBh Output										1250	1250	1250	1250	1250	1250	1250	1250
Temperature Rise										65 / 87	57 / 76	45 / 61	40 / 53	34 / 46	28 / 38	23 / 30	19 / 25
Piping Vestibule										External	External	External	External	Internal	External	Internal	Internal
Section Length										95.75	95.75	98	98	84	92	96	96
Section Weight										3118	3207	3304	3386	3047	3211	3398	3536
MBh Output										1500	1500	1500	1500	1500	1500	1500	1500
Temperature Rise										78 / 101	68 / 91	55 / 73	48 / 64	41 / 55	34 / 45	27 / 36	23 / 30
Piping Vestibule										External	External	External	External	Internal	External	Internal	Internal
Section Length										95.75	95.75	98	98	84	92	96	96
Section Weight										3118	3207	3304	3386	3047	3211	3398	3536
MBh Output										1750	1750	1750	1750	1750	1750	1750	1750
Temperature Rise										91 / 101	80 / 101	64 / 85	56 / 74	48 / 64	40 / 53	32 / 42	27 / 35
Piping Vestibule										External	External	External	External	Internal	External	Internal	Internal
Section Length										95.75	95.75	98	98	84	92	96	96
Section Weight										3133	3222	3319	3401	3062	3226	3413	3551
MBh Output												2000	2000	2000	2000	2000	2000
Temperature Rise												73 / 97	64 / 85	55 / 73	45 / 61	36 / 48	30 / 40
Piping Vestibule												External	External	External	External	Internal	Internal
Section Length												108.5	108.5	98.5	106.5	96	96
Section Weight												3854	3949	4076	4335	3743	3881
MBh Output														2500	2500	2500	2500
Temperature Rise														69 / 92	57 / 76	45 / 61	38 / 51
Piping Vestibule														External	External	External	External
Section Length														98.5	106.5	96	96
Section Weight														4491	4750	4508	4646

Gas Heat application rules:

- The maximum allowable temperature rise is as listed in table for minimum cfm.
- Nominal airflow is based on 500 fpm through a nominal coil (i.e. 500 x unit size 8 = 4000 cfm).
- The minimum allowable airflow at full fire is 75 percent of the nominal airflow (i.e. 0.75 x 500 x unit size 8 = 3000 cfm).
- The minimum allowable airflow at reduced fire is 50 percent of the nominal airflow (i.e. 0.50 x 500 x unit size 8 = 2000 cfm).
- Calculate temperature rise at airflows other than nominal with this equation:
Temp Rise = (1000 x MBh) / (1.1 x CFM)
- On high altitude applications, derate the heating capacity (MBh) by 4 percent for every 1,000 feet of altitude over 2,000 feet above sea level.
- Temperature rise is listed for nominal cfm/minimum cfm.
- 20:1 turndown ratio option is available on unit sizes 35 through 120 with 1250 MBH burner capacity and greater.
- The 2,500 MBH burner option is only available with 20:1 turndown ratio capacity control.