

DSER 2/250

PERFORMANCE DATA

COOLING CAPACITY

Total capacity kW and Sensible capacity kW. T = Total S = Sensible
 NOTE: Capacities are GROSS and do not include allowance for fan motor heat loss. For fan motor heat loss refer to Air Handling Performance.
 LINE LOSSES: - Capacities are for close coupled systems - for split systems refrigerated line pressure drops will reduce capacity.

INDOOR COIL E.A.T. W.B.°C	OUTDOOR COIL E.A.T. D.B.°C																																							
	24				27				30				35				40																							
	15	17	19	22	15	17	19	22	15	17	19	22	15	17	19	22	15	17	19	22																				
AIR D.B. Vs °C	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S	T S																				
550 20	11.4	7.9	12.2	6.6	13.0	5.3	-	-	11.2	7.7	11.9	6.5	12.7	5.1	-	-	10.9	7.6	11.7	6.3	12.4	5.0	-	-	10.5	7.5	11.2	6.2	12.0	4.8	-	-	10.1	7.3	10.8	6.0	11.5	4.6	-	-
550 22	11.4	9.1	12.2	7.8	13.0	6.5	14.3	4.5	11.2	9.0	11.9	7.7	12.7	6.4	14.0	4.4	10.9	8.9	11.7	7.8	12.4	6.3	13.7	4.3	10.5	8.7	11.2	7.4	12.0	6.1	13.1	4.1	10.1	8.5	10.8	7.2	11.5	5.9	12.5	3.9
550 24	11.4	10.4	12.2	9.1	13.0	7.8	14.3	5.8	11.2	10.3	11.9	9.0	12.7	7.7	14.0	5.7	10.9	10.2	11.7	8.9	12.4	7.5	13.7	5.5	10.5	10.0	11.2	8.7	12.0	7.3	13.1	5.3	10.1	9.8	10.8	8.5	11.5	7.2	12.5	5.1
550 26	11.7	11.7	12.2	10.3	13.0	9.0	14.3	7.0	11.5	11.5	11.9	10.2	12.7	8.9	14.0	6.9	11.3	11.3	11.7	10.1	12.4	8.8	13.7	6.8	11.0	11.0	11.2	9.9	12.0	8.6	13.1	6.6	10.6	10.6	10.8	9.7	11.5	8.4	12.5	6.4
550 28	12.2	12.2	12.2	11.6	13.0	10.3	14.3	8.3	12.0	12.0	11.9	11.5	12.7	10.2	14.0	8.2	11.8	11.8	11.7	11.4	12.4	10.1	13.7	8.1	11.4	11.4	11.2	11.2	12.0	9.9	13.1	7.9	11.1	11.1	11.1	11.1	11.5	9.7	12.5	7.7
600 20	11.6	8.1	12.4	6.7	13.2	5.3	-	-	11.3	8.0	12.1	6.6	12.9	5.2	-	-	11.1	7.9	11.9	6.5	12.6	5.1	-	-	10.7	7.7	11.4	6.3	12.2	4.9	-	-	10.2	7.5	10.9	6.1	11.6	4.7	-	-
600 22	11.6	9.5	12.4	8.1	13.2	6.7	14.6	4.5	11.3	9.4	12.1	8.0	12.9	6.6	14.2	4.4	11.1	9.3	11.9	7.9	12.6	6.5	13.9	4.3	10.7	9.1	11.4	7.7	12.2	6.3	13.3	4.1	10.2	8.9	10.9	7.5	11.6	6.1	12.8	3.9
600 24	11.6	10.9	12.4	9.5	13.2	8.0	14.6	5.9	11.3	10.7	12.1	9.4	12.9	7.9	14.2	5.8	11.1	10.6	11.9	9.2	12.6	7.8	13.9	5.7	10.7	10.4	11.4	9.0	12.2	7.6	13.3	5.5	10.4	10.4	10.9	8.8	11.6	7.4	12.8	5.3
600 26	12.0	12.0	12.4	10.8	13.2	9.4	14.6	7.3	11.8	11.8	12.1	10.7	12.9	9.3	14.2	7.1	11.6	11.6	11.9	10.6	12.6	9.2	13.9	7.0	11.3	11.3	11.4	10.4	12.2	9.0	13.3	6.8	10.9	10.9	10.9	10.2	11.6	8.8	12.8	6.6
600 28	12.5	12.5	12.4	12.2	13.2	10.8	14.6	8.6	12.3	12.3	12.1	12.1	12.9	10.8	14.2	8.5	12.1	12.1	12.1	12.1	12.6	10.5	13.9	8.4	11.7	11.7	11.7	11.7	12.2	10.3	13.3	8.2	11.3	11.3	11.3	11.3	11.6	10.1	12.8	8.0
650 20	11.8	8.5	12.6	7.0	13.4	5.4	-	-	11.5	8.4	12.3	6.9	13.1	5.3	-	-	11.3	8.3	12.0	6.7	12.8	5.2	-	-	10.8	8.1	11.6	6.5	12.3	5.0	-	-	10.4	7.8	11.0	6.3	11.8	4.8	-	-
650 22	11.8	10.0	12.6	8.4	13.4	6.9	14.8	4.6	11.5	9.8	12.3	8.3	13.1	6.8	14.4	4.5	11.3	9.7	12.0	8.2	12.8	6.7	14.1	4.3	10.8	9.5	11.6	8.0	12.3	6.5	13.5	4.1	10.4	9.3	11.0	7.8	11.8	6.3	12.9	3.9
650 24	11.8	11.4	12.6	9.9	13.4	8.4	14.8	6.0	11.5	11.3	12.3	9.8	13.1	8.3	14.4	5.9	11.3	11.2	12.0	9.7	12.8	8.1	14.1	5.8	11.0	11.0	11.6	9.5	12.3	8.0	13.5	5.6	10.6	10.6	11.0	9.3	11.8	7.8	12.9	5.4
650 26	12.3	12.3	12.6	11.4	13.4	9.9	14.8	7.5	12.1	12.1	12.3	11.3	13.1	9.7	14.4	7.4	11.9	11.9	12.0	11.2	12.8	9.6	14.1	7.3	11.5	11.5	11.6	11.0	12.3	9.4	13.5	7.1	11.1	11.1	11.1	10.8	11.8	9.2	12.9	6.9
650 28	12.8	12.8	12.8	12.8	13.4	11.3	14.8	9.0	12.6	12.6	12.6	12.6	13.1	11.2	14.4	8.9	12.4	12.4	12.4	12.4	12.8	11.1	14.1	8.8	12.0	12.0	12.0	12.0	12.3	10.9	13.5	8.6	11.6	11.6	11.6	11.6	11.8	10.7	12.9	8.4
750 20	12.1	9.1	12.9	7.4	13.8	5.6	-	-	11.8	9.0	12.6	7.2	13.5	5.5	-	-	11.4	8.5	12.2	6.9	13.0	5.3	-	-	11.0	8.3	11.7	6.7	12.5	5.1	-	-	10.5	8.1	11.2	6.5	11.9	4.9	-	-
750 22	12.1	10.8	12.9	9.1	13.8	7.3	15.1	4.6	11.8	10.7	12.6	8.9	13.5	7.2	14.8	4.5	11.4	10.0	12.2	8.4	13.0	6.8	14.3	4.4	11.0	9.8	11.7	8.2	12.5	6.6	13.7	4.2	10.5	9.6	11.2	8.0	11.9	6.4	13.0	3.9
750 24	12.3	12.3	12.9	10.8	13.8	9.0	15.1	6.3	12.1	12.1	12.6	10.6	13.5	8.9	14.8	6.2	11.6	11.6	12.2	10.0	13.0	8.4	14.3	5.9	11.3	11.3	11.7	9.8	12.5	8.2	13.7	5.7	10.8	10.8	11.2	9.6	11.9	8.0	13.0	5.5
750 26	12.8	12.8	12.9	12.5	13.8	10.7	15.1	8.0	12.6	12.6	12.6	12.3	13.5	10.6	14.8	7.9	12.1	12.1	12.2	11.6	13.0	10.0	14.3	7.5	11.7	11.7	11.7	11.4	12.5	9.7	13.7	7.3	11.3	11.3	11.2	11.1	11.9	9.5	13.0	7.1
750 28	13.4	13.4	13.4	13.4	13.8	12.4	15.1	9.7	13.1	13.1	13.1	13.1	13.5	12.3	14.8	9.6	12.7	12.7	12.7	12.7	13.0	11.5	14.3	9.0	12.2	12.2	12.2	12.2	12.5	11.3	13.7	8.8	11.8	11.8	11.8	11.8	11.9	11.1	13.0	8.6

HEATING CAPACITIES

G = Gross Heating Capacity kW
 N = Net Heating Capacity kW allowing for average defrost.
 LINE LOSSES: - Capacities are for close coupled systems.
 Interconnecting pipework pressure drops will reduce capacity.

INDOOR COIL E.A.T. D.B.°C	OUTDOOR COIL E.A.T. D.B.°C															
	-4		-2		0		2		4		6		8		10	
	G	N	G	N	G	N	G	N	G	N	G	N	G	N	G	N
15	9.0	8.1	9.6	8.6	10.3	9.1	10.9	9.4	11.5	9.8	12.4	11.3	13.1	13.1	13.6	13.6
20	8.8	7.9	9.4	8.4	10.0	8.9	10.6	9.1	11.3	9.6	12.1	11.0	12.8	12.8	13.2	13.2
25	8.5	7.6	9.1	8.2	9.7	8.6	10.3	8.8	10.9	9.2	11.7	10.6	12.4	12.4	12.8	12.8

VARIATIONS IN HEATING CAPACITY WITH INDOOR AIR FLOW

DSER 2/250 based on 650 l/s	% Rated Air Flow	Capacity Multiplier	80 %	90 %	100 %	110 %	120 %
			0.986	0.993	1.0	1.006	1.01

AIR HANDLING PERFORMANCE

