

DSER 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.	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																	
AIR D.B. l/s °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																
540 20	6.6	5.3	7.1	4.2	7.7	3.1	-	-	6.5	5.3	7.0	4.2	7.5	3.1	-	-	6.3	5.2	6.8	4.1	7.3	3.0	-	-	6.0	5.1	6.5	4.0	7.0	2.9	-	-	5.7	5.0	6.2	3.9	6.6	2.7	-	-
540 22	6.6	6.4	7.1	5.3	7.7	4.2	8.4	2.5	6.5	6.4	7.0	5.3	7.5	4.2	8.2	2.4	6.3	6.3	6.8	5.2	7.3	4.1	8.0	2.4	6.1	6.1	6.5	5.1	7.0	4.0	7.6	2.3	5.9	5.9	6.2	5.0	6.6	3.8	7.2	2.1
540 24	6.9	6.9	7.1	6.4	7.7	5.3	8.4	3.6	6.8	6.8	7.0	6.4	7.5	5.2	8.2	3.5	6.7	6.7	6.8	6.3	7.3	5.2	8.0	3.5	6.4	6.4	6.5	6.2	7.0	5.1	7.6	3.4	6.1	6.1	6.2	6.1	6.6	4.9	7.2	3.2
540 26	7.3	7.3	7.3	7.3	7.7	6.4	8.4	4.7	7.1	7.1	7.1	7.1	7.5	6.3	8.2	4.6	7.0	7.0	7.0	7.0	7.3	6.3	8.0	4.6	6.7	6.7	6.7	6.7	7.0	6.2	7.6	4.5	6.4	6.4	6.4	6.4	6.6	6.0	7.2	4.3
540 28	7.6	7.6	7.6	7.6	7.7	7.5	8.4	5.8	7.4	7.4	7.4	7.4	7.5	7.4	8.2	5.7	7.3	7.3	7.3	7.3	7.2	7.2	8.0	5.7	7.0	7.0	7.0	7.0	7.0	7.0	7.6	5.5	6.7	6.7	6.7	6.7	6.7	6.7	7.2	5.4
640 20	6.8	5.8	7.3	4.5	7.8	3.2	-	-	6.7	5.7	7.2	4.5	7.7	3.2	-	-	6.5	5.7	7.0	4.4	7.5	3.1	-	-	6.2	5.5	6.7	4.3	7.1	3.0	-	-	5.9	5.4	6.3	4.2	6.8	2.9	-	-
640 22	6.9	6.9	7.3	5.8	7.8	4.5	8.6	2.5	6.8	6.8	7.2	5.7	7.7	4.4	8.4	2.5	6.6	6.6	7.0	5.7	7.5	4.4	8.2	2.4	6.4	6.4	6.7	5.5	7.1	4.2	7.8	2.3	6.1	6.1	6.3	5.4	6.8	4.1	-	-
640 24	7.2	7.2	7.3	7.1	7.8	5.8	8.6	3.8	7.1	7.1	7.2	7.0	7.7	5.7	8.4	3.7	6.9	6.9	7.0	6.9	7.5	5.6	8.2	3.7	6.6	6.6	6.6	6.6	7.1	5.5	7.8	3.5	6.4	6.4	6.4	6.4	6.8	5.4	-	-
640 26	7.5	7.5	7.5	7.5	7.8	7.0	8.6	5.1	7.4	7.4	7.4	7.4	7.7	7.0	8.4	5.0	7.2	7.2	7.2	7.2	7.5	6.9	8.2	4.9	6.9	6.9	6.9	6.9	7.1	6.8	7.8	4.8	6.6	6.6	6.6	6.6	6.8	6.6	-	-
640 28	7.9	7.9	7.9	7.9	7.9	7.9	8.6	6.3	7.7	7.7	7.7	7.7	7.7	8.4	6.3	7.5	7.5	7.5	7.5	7.5	7.5	7.5	8.2	6.2	7.2	7.2	7.2	7.2	7.2	7.2	7.8	6.1	6.9	6.9	6.9	6.9	6.9	6.9	-	-
740 20	7.0	6.3	7.5	4.8	8.0	3.4	-	-	6.8	6.2	7.3	4.7	7.8	3.3	-	-	6.6	6.1	7.1	4.7	7.6	3.2	-	-	6.3	6.0	6.8	4.5	7.2	3.1	-	-	6.0	5.9	6.4	4.4	6.9	3.0	-	-
740 22	7.1	7.1	7.5	6.2	8.0	4.8	8.8	2.6	7.0	7.0	7.3	6.2	7.8	4.7	8.6	2.5	6.8	6.8	7.1	6.1	7.6	4.6	8.3	2.4	6.5	6.5	6.8	6.0	7.2	4.5	-	-	6.2	6.2	6.4	5.8	6.9	4.4	-	-
740 24	7.5	7.5	7.4	7.4	8.0	6.2	8.8	4.0	7.3	7.3	7.3	7.3	7.8	6.1	8.6	3.9	7.1	7.1	7.1	7.1	7.6	6.1	8.3	3.8	6.8	6.8	6.8	6.8	7.2	5.9	-	-	6.5	6.5	6.5	6.5	6.9	5.8	-	-
740 26	7.8	7.8	7.8	7.8	8.0	7.6	8.8	5.4	7.6	7.6	7.6	7.6	7.8	7.5	8.6	5.3	7.4	7.4	7.4	7.4	7.6	7.5	8.3	5.3	7.1	7.1	7.1	7.1	7.1	7.1	-	-	6.8	6.8	6.8	6.8	6.8	6.8	-	-
740 28	8.1	8.1	8.1	8.1	8.1	8.1	8.8	6.5	7.9	7.9	7.9	7.9	7.9	7.9	8.6	6.8	7.8	7.8	7.8	7.8	7.8	7.8	8.3	6.7	7.4	7.4	7.4	7.4	7.4	-	-	7.1	7.1	7.1	7.1	7.1	7.1	-	-	
800 20	7.1	6.5	7.6	5.0	8.1	3.4	-	-	6.9	6.4	7.4	4.9	7.9	3.3	-	-	6.7	6.4	7.2	4.8	7.7	3.3	-	-	6.4	6.2	6.9	4.7	7.3	3.1	-	-	6.0	6.0	6.5	4.6	6.9	3.0	-	-
800 22	7.2	7.2	7.6	6.5	8.1	4.9	8.9	2.6	7.1	7.1	7.4	6.4	7.9	4.9	-	-	6.9	6.9	7.2	6.3	7.7	4.8	-	-	6.6	6.6	6.9	6.2	7.3	4.7	-	-	6.3	6.3	6.5	6.1	6.9	4.5	-	-
800 24	7.6	7.6	7.6	7.6	8.1	6.4	8.9	4.1	7.4	7.4	7.4	7.4	7.9	6.4	-	-	7.2	7.2	7.2	7.2	7.7	6.3	-	-	6.9	6.9	6.9	6.9	7.3	6.2	-	-	6.6	6.6	6.6	6.6	6.9	6.0	-	-
800 26	7.9	7.9	7.9	7.9	8.1	7.9	8.9	5.6	7.7	7.7	7.7	7.7	7.9	7.9	-	-	7.6	7.6	7.6	7.6	7.5	7.5	-	-	7.2	7.2	7.2	7.2	7.2	7.2	-	-	6.9	6.9	6.9	6.9	6.9	6.9	-	-
800 28	8.3	8.3	8.2	8.2	8.3	8.3	8.9	7.1	8.1	8.1	8.1	8.1	8.1	8.1	-	-	7.9	7.9	7.9	7.9	7.9	7.9	-	-	7.6	7.6	7.6	7.6	7.6	7.6	-	-	7.2	7.2	7.2	7.2	7.2	7.2	-	-

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	5.0	4.5	5.3	4.8	5.7	5.0	6.0	5.2	6.4	5.4	6.8	6.2	7.2	7.2	7.5	7.5
20	4.8	4.3	5.2	4.7	5.5	4.9	5.9	5.0	6.2	5.3	6.7	6.1	7.1	7.1	7.3	7.3
25	4.7	4.2	5.0	4.5	5.3	4.8	5.7	4.9	6.0	5.1	6.4	5.9	6.8	6.8	7.1	7.1

VARIATIONS IN HEATING CAPACITY WITH INDOOR AIR FLOW

DSER 250 based on 740 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

