

DSER 225

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																							
	W.B.°C		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																
250 20	5.4	3.6	5.8	3.1	6.3	2.5	-	-	5.3	3.5	5.7	3.0	6.2	2.5	-	-	5.2	3.5	5.6	3.0	6.0	2.4	-	-	5.0	3.4	5.4	2.9	5.8	2.3	-	-	4.8	3.3	5.2	2.8	5.6	2.2	-	-
250 22	5.4	4.1	5.8	3.6	6.3	3.1	7.0	2.2	5.3	4.1	5.7	3.5	6.2	3.0	6.9	2.2	5.2	4.0	5.6	3.5	6.0	3.0	6.7	2.1	5.0	3.9	5.4	3.4	5.8	2.9	6.5	2.0	4.8	3.9	5.2	3.3	5.6	2.8	6.2	1.9
250 24	5.4	4.7	5.8	4.1	6.3	3.6	7.0	2.8	5.3	4.6	5.7	4.1	6.2	3.5	6.9	2.7	5.2	4.6	5.6	4.0	6.0	3.5	6.7	2.7	5.0	4.5	5.4	4.0	5.8	3.4	6.5	2.6	4.8	4.4	5.2	3.9	5.6	3.3	6.2	2.5
250 26	5.4	5.2	5.8	4.7	6.3	4.1	7.0	3.3	5.3	5.1	5.7	4.6	6.2	4.1	6.9	3.3	5.2	5.1	5.6	4.6	6.0	4.0	6.7	3.2	5.3	5.3	5.4	4.5	5.8	3.9	6.5	3.1	5.1	5.1	5.2	4.4	5.6	3.9	6.2	3.0
250 28	5.8	5.8	5.8	5.2	6.3	4.7	7.0	3.8	5.7	5.7	5.7	5.2	6.2	4.6	6.9	3.8	5.7	5.7	5.6	5.1	6.0	4.6	6.7	3.7	5.5	5.5	5.4	5.0	5.8	4.5	6.5	3.7	5.3	5.3	5.2	4.9	5.6	4.4	6.2	3.6
320 20	5.7	4.0	6.2	3.3	6.7	2.7	-	-	5.6	3.9	6.1	3.3	6.5	2.6	-	-	5.5	3.9	5.9	3.2	6.4	2.6	-	-	5.3	3.8	5.7	3.1	6.2	2.5	-	-	5.1	3.7	5.5	3.0	5.9	2.4	-	-
320 22	5.7	4.7	6.2	4.0	6.7	3.3	7.5	2.3	5.6	4.6	6.1	3.9	6.5	3.3	7.3	2.3	5.5	4.6	5.9	3.9	6.4	3.2	7.1	2.2	5.3	4.5	5.7	3.8	6.2	3.1	6.9	2.1	5.1	4.4	5.5	3.7	5.9	3.0	6.6	2.0
320 24	5.7	5.3	6.2	4.7	6.7	4.0	7.5	3.0	5.6	5.3	6.1	4.6	6.5	3.9	7.3	2.9	5.5	5.2	5.9	4.6	6.4	3.9	7.1	2.9	5.3	5.1	5.7	4.5	6.2	3.8	6.9	2.8	5.1	5.0	5.5	4.4	5.9	3.7	6.6	2.7
320 26	6.1	6.1	6.2	5.3	6.7	4.7	7.5	3.6	6.0	6.0	6.1	5.3	6.5	4.6	7.3	3.6	5.8	5.8	5.9	5.2	6.4	4.6	7.1	3.5	5.7	5.7	5.7	5.1	6.2	4.5	6.9	3.4	5.5	5.5	5.5	5.0	5.9	4.4	6.6	3.3
320 28	6.3	6.3	6.2	6.0	6.7	5.3	7.5	4.3	6.2	6.2	6.1	5.9	6.5	5.3	7.3	4.3	6.1	6.1	5.9	5.9	6.4	5.2	7.1	4.2	5.9	5.9	5.9	5.9	6.2	5.1	6.9	4.1	5.7	5.7	5.7	5.9	5.0	6.6	4.0	
370 20	5.9	4.3	6.4	3.5	6.9	2.8	-	-	5.8	4.2	6.3	3.5	6.8	2.7	-	-	5.7	4.2	6.1	3.4	6.6	2.7	-	-	5.5	4.1	5.9	3.3	6.4	2.6	-	-	5.3	4.0	5.7	3.2	6.1	2.5	-	-
370 22	5.9	5.1	6.4	4.3	6.9	3.5	7.7	2.4	5.8	5.0	6.3	4.2	6.8	3.5	7.5	2.3	5.7	4.9	6.1	4.2	6.6	3.4	7.4	2.2	5.5	4.8	5.9	4.1	6.4	3.3	7.1	2.1	5.3	4.8	5.7	4.0	6.1	3.2	6.7	2.0
370 24	5.9	5.8	6.4	5.1	6.9	4.3	7.7	3.1	5.8	5.8	6.3	5.0	6.8	4.2	7.5	3.1	5.8	5.8	6.1	4.9	6.6	4.2	7.4	3.0	5.6	5.6	5.9	4.8	6.4	4.1	7.1	2.9	5.4	5.4	5.7	4.7	6.1	4.0	6.7	2.8
370 26	6.3	6.3	6.4	5.8	6.9	5.1	7.7	3.9	6.2	6.2	6.3	5.8	6.8	5.0	7.5	3.8	6.1	6.1	6.1	5.7	6.6	4.9	7.4	3.8	5.9	5.9	5.9	5.6	6.4	4.8	7.1	3.7	5.7	5.7	5.5	6.1	4.7	6.7	3.6	
370 28	6.6	6.6	6.6	6.6	6.9	5.8	7.7	4.6	6.5	6.5	6.5	6.5	6.8	5.8	7.5	4.6	6.4	6.4	6.4	6.4	6.8	5.7	7.4	4.5	6.1	6.1	6.1	6.1	6.4	5.6	7.1	4.4	5.9	5.9	5.9	6.1	5.5	6.7	4.3	
450 20	6.2	4.7	6.7	3.8	7.2	2.9	-	-	6.1	4.7	6.6	3.8	7.1	2.8	-	-	5.9	4.6	6.4	3.7	6.9	2.8	-	-	5.7	4.5	6.1	3.6	6.6	2.7	-	-	5.5	4.4	5.9	3.5	6.3	2.6	-	-
450 22	6.2	5.6	6.7	4.7	7.2	3.8	8.0	2.4	6.1	5.6	6.6	4.7	7.1	3.8	7.8	2.3	5.9	5.5	6.4	4.6	6.9	3.7	7.6	2.3	5.7	5.4	6.1	4.5	6.6	3.6	7.3	2.2	5.5	5.3	5.9	4.4	6.3	3.5	6.9	2.1
450 24	6.4	6.4	6.7	5.6	7.2	4.7	8.0	3.3	6.3	6.3	6.6	5.6	7.1	4.7	7.8	3.3	6.2	6.2	6.4	5.5	6.9	4.6	7.6	3.2	5.9	5.9	6.1	5.4	6.6	4.5	7.3	3.1	5.7	5.7	5.9	5.3	6.3	4.4	6.9	3.0
450 26	6.7	6.7	6.7	6.5	7.2	5.6	8.0	4.2	6.6	6.6	6.6	6.5	7.1	5.6	7.8	4.2	6.4	6.4	6.4	6.4	6.9	5.5	7.6	4.1	6.2	6.2	6.2	6.2	6.6	5.4	7.3	4.0	6.0	6.0	6.0	6.3	5.3	6.9	3.9	
450 28	7.0	7.0	7.0	7.0	7.2	6.5	8.0	5.1	6.8	6.8	6.8	6.8	7.1	6.5	7.8	5.1	6.7	6.7	6.7	6.7	6.9	6.4	7.6	5.0	6.5	6.5	6.5	6.5	6.6	6.3	7.3	4.9	6.2	6.2	6.2	6.3	6.2	6.9	4.8	

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	4.9	4.4	5.2	4.7	5.6	5.0	5.9	5.1	6.3	5.3	6.7	6.1	7.1	7.1	7.4	7.4
20	4.8	4.3	5.1	4.6	5.4	4.8	5.8	5.0	6.1	5.2	6.6	6.0	7.0	7.0	7.2	7.2
25	4.6	4.1	4.9	4.4	5.3	4.7	5.6	4.8	5.9	5.0	6.3	5.8	6.7	6.7	7.0	7.0

VARIATIONS IN HEATING CAPACITY WITH INDOOR AIR FLOW

DSER 225 based on 370 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

