

DATA TEMP
PERFORMANCE DATA

AIR COOLED: Performance data at STANDARD AIRFLOW with remote air cooled condenser

MODEL NUMBER		DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	25,000	37,500	53,900	65,400
	Sensible	19,600	28,900	41,100	50,400
75° DB/62.5° WB 50% RH	Total	23,100	34,400	49,400	60,200
	Sensible	19,200	28,300	40,300	49,500
75° DB/61° WB 45% RH	Total	22,400	33,500	48,100	58,600
	Sensible	20,500	30,200	42,900	52,700
72° DB/60° WB 50% RH	Total	22,000	32,900	47,200	57,700
	Sensible	18,800	27,700	39,400	48,500
72° DB/58.6° WB 45% RH	Total	21,200	31,800	46,200	56,200
	Sensible	20,000	29,400	42,000	51,500

BLOWER SECTION

Airflow - CFM		800	1,200	1,600	2,000
Standard motor - horsepower		1/2	3/4	1	1 1/2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)	<i>Downflow</i>	0.8	0.9	0.9	1.5
	<i>Upflow</i>	0.8	0.9	0.9	1.5
Minimum E.S.P. (Next Size Motor)	<i>Downflow</i>	0.8	1.5	0.9	1.5
	<i>Upflow</i>	0.8	1.5	0.9	1.5
Next size motor - horsepower		3/4	1	1 1/2	2

COMPRESSORS

Type		Scroll	Scroll	Scroll	Scroll
Quantity		1	1	1	1
Refrigerant		R-22	R-22	R-22	R-22

EVAPORATOR COIL

Face area - sq ft		3	3	5	5
Rows of coils		4	4	4	4
Face velocity - fpm		267	400	320	400

REHEAT SECTION

Electric		Standard	Standard	Standard	Standard
kW		6	12	12	12
Capacity in Btu/hr		20,490	40,980	40,980	40,980

HUMIDIFIER SECTION

Steam generator		Standard	Standard	Standard	Standard
kW		3.2	3.2	3.2	3.2
Capacity - lb/hr		10	10	10	10

AIR COOLED: Performance data at STANDARD airflow with remote cooled condenser

MODEL NUMBER	DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
FILTERSECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percent	30	30	30	30
<i>(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)</i>				

CONNECTION SIZES				
Liquid line - O.D. Copper	1/2	1/2	1/2	1/2
Hot gas line - O.D. Copper	1/2	1/2	1/2	1/2
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4
<i>(Note: Refer to Operation and Maintenance manual for recommended pipe sizing between indoor/outdoor sections.)</i>				

ELECTRICALSECTION		Standard Motor			
<u>Electrical data based on STANDARD unit, electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	43/52/60	79/97/100	88/109/110	96/117/125
208-230/3/60	FLA/MCA/MFS	26/32/35	47/58/60	50/62/70	56/69/70
460/3/60	FLA/MCA/MFS	12/15/20	22/27/30	24/30/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	19/24/25	21/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	30/37/40	38/46/50	47/57/70	54/65/80
208-230/3/60	FLA/MCA/MFS	26/32/35	30/36/40	33/41/50	39/48/50
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	17/20/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	13/16/20	15/18/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	43/52/60	79/97/100	88/109/110	95/117/125
208-230/3/60	FLA/MCA/MFS	26/32/35	47/58/60	50/62/70	56/69/70
460/3/60	FLA/MCA/MFS	12/15/20	22/27/30	24/30/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	19/24/25	21/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	14/16/25	21/25/40	31/36/60	38/45/70
208-230/3/60	FLA/MCA/MFS	9/11/15	13/16/25	17/20/30	23/27/40
460/3/60	FLA/MCA/MFS	4.6/5.5/15	6.6/7.9/15	9/11/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.2/8.7/15	9/11/15

STANDARD MOTOR		<i>FLA - Full load amps</i>			
Horsepower		1/2	3/4	1	1 1/2
208-230/1/60		3.4	5.3	6.8	8.8
208-230/3/60		2.2	3.0	3.6	5.7
460/3/60		1.1	1.6	1.8	2.8
575/3/60		N/A	N/A	1.4	2.0

FLA - Full load amps MCA - Minimum circuit amps (wire sizing amps) MFS - Maximum overcurrent protection device amps

AIR COOLED: Performance data at OPTIONAL airflow with remote air cooled condenser

MODEL NUMBER		DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	26,000	38,600	55,700	67,500
	Sensible	22,300	32,600	46,700	57,200
75° DB/62.5° WB 50% RH	Total	23,800	35,500	51,200	62,200
	Sensible	21,800	32,000	45,700	56,100
75° DB/61° WB 45% RH	Total	23,100	34,600	50,000	60,200
	Sensible	22,900	34,300	49,000	59,900
72° DB/60° WB 50% RH	Total	22,700	34,000	48,700	59,000
	Sensible	21,300	31,300	44,600	54,600
72° DB/58.6° WB 45% RH	Total	22,100	32,900	47,400	57,900
	Sensible	22,000	32,800	47,100	57,600

BLOWER SECTION

Airflow - CFM		1,000	1,500	2,000	2,500
Standard motor - horsepower		3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)	<i>Downflow</i>	1.5	0.7	1.5	1.4
	<i>Upflow</i>	1.5	0.7	1.5	1.4
Maximum E.S.P. (Next Size Motor)	<i>Downflow</i>	1.5	1.5	1.5	N/A
	<i>Upflow</i>	1.5	1.5	1.5	N/A
Next size motor - horsepower		1	1 1/2	2	N/A

COMPRESSORS

Type		Scroll	Scroll	Scroll	Scroll
Quantity		1	1	1	1
Refrigerant		R-22	R-22	R-22	R-22

EVAPORATOR COIL

Face area - sq ft		3	3	5	5
Rows of coils		4	4	4	4
Face velocity - fpm		333	375	400	500

REHEAT SECTION

Electric		Standard	Standard	Standard	Standard
kW		6	12	12	12
Capacity - Btu/hr		20,490	40,980	40,980	40,980

HUMIDIFIER SECTION

Stream generator		Standard	Standard	Standard	Standard
kW		3.2	3.2	3.2	3.2
Capacity - lb/hr		10	10	10	10

AIR COOLED: Performance Data at OPTIONAL airflow with remote air cooled condenser

MODEL NUMBER	DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
FILTER SECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30

(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)

CONNECTION SIZES				
Liquid line - O.D. Copper	1/2	1/2	1/2	1/2
Hot gas line - O.D. Copper	1/2	1/2	1/2	1/2
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4

(Note: Refer to Operation and Maintenance manual for recommended pipe sizing between indoor/outdoor sections.)

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/40	36/43/45	40/48/50
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

STANDARD MOTOR	<i>FLA - full load amps</i>			
Horsepower	3/4	1	1 1/2	2
208-230/1/60	5.3	6.8	8.8	9.3
208-230/3/60	3.0	3.6	5.7	6.0
460/3/60	1.5	1.8	2.8	3.0
575/3/60	N/A	N/A	2.0	2.5

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

AIR COOLED: Performance data at STANDARD airflow with remote outdoor condensing unit

MODEL NUMBER		DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	25,000	37,500	53,900	65,400
	Sensible	19,600	28,900	41,100	50,400
75° DB/62.5° WB 50% RH	Total	23,100	34,400	49,400	60,200
	Sensible	19,200	28,300	40,300	49,500
75° DB/61° WB 45% RH	Total	22,400	33,500	48,100	58,600
	Sensible	20,500	30,200	42,900	52,700
72° DB/60° WB 50% RH	Total	22,000	32,900	47,200	57,700
	Sensible	18,800	27,700	39,400	48,500
72° DB/58.6° WB 45% RH	Total	21,200	31,800	46,200	56,200
	Sensible	20,000	29,400	42,000	51,500

BLOWER SECTION

Airflow - CFM		800	1,200	1,600	2,000
Standard motor - horsepower		1/2	3/4	1	1 1/2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)	<i>Downflow</i>	0.8	0.9	0.9	1.5
	<i>Upflow</i>	0.8	0.9	0.9	1.5
Maximum E.S.P. (Next Size Motor)	<i>Downflow</i>	0.8	1.5	0.9	1.5
	<i>Upflow</i>	0.8	1.5	0.9	1.5
Next size motor		3/4	1	1 1/2	2

COMPRESSOR

in Condensing Unit

Type	Scroll	Scroll	Scroll	Scroll
Quantity	1	1	1	1
Refrigerant	R-22	R-22	R-22	R-22

EVAPORATOR COIL

Face area - sq ft	3	3	5	5
Rows of coils	4	4	4	4
Face velocity - fpm	267	400	320	400

REHEAT SECTION

Electric	Standard	Standard	Standard	Standard
kW	6	12	12	12
Capacity - Btu/hr	20,490	40,980	40,980	40,980

HUMIDIFIER SECTION

Steam generator	Standard	Standard	Standard	Standard
kW	3.2	3.2	3.2	3.2
Capacity - lb/hr	10	10	10	10

AIR COOLED: Performance data at STANDARD airflow with remote outdoor condensing unit

MODEL NUMBER	DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
FILTER SECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30
<i>(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)</i>				

CONNECTION SIZES				
Liquid line - O.D. Copper	1/2	1/2	1/2	1/2
Suction line - O.D. Copper	3/4	3/4	3/4	3/4
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4
<i>(Note: Refer to Operation and Maintenance manual for recommended pipe sizing between indoor section and condensing unit.)</i>				

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	32/40/45	63/79/80	64/81/90	66/83/90
208-230/3/60	FLA/MCA/MFS	19/24/25	36/45/50	37/46/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	17/21/25	18/22/25
575/3/60	FLA/MCA/MFS	N/A	N/A	13/17/20	14/18/20

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	20/25/30	22/37/30	23/29/30	25/31/35
208-230/3/60	FLA/MCA/MFS	19/23/25	36/45/50	37/46/50	38/48/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	17/21/25	18/22/25
575/3/60	FLA/MCA/MFS	N/A	N/A	13/17/20	14/18/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	32/40/45	63/79/80	64/81/90	66/83/90
208-230/3/60	FLA/MCA/MFS	19/24/25	36/45/50	37/46/50	38/48/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	17/21/25	18/22/25
575/3/60	FLA/MCA/MFS	N/A	N/A	13/17/20	14/18/20

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	3.4/4.3/15	5.3/6.6/15	6.8/8.5/15	9/11/15
208-230/3/60	FLA/MCA/MFS	2.2/2.8/15	3.0/3.8/15	3.6/4.5/15	4.8/6.0/15
460/3/60	FLA/MCA/MFS	1.1/1.4/15	1.5/1.9/15	1.8/2.3/15	2.8/3.5/15
575/3/60	FLA/MCA/MFS	N/A	N/A	1.4/1.8/15	2.0/2.5/15

STANDARD MOTOR	<i>FLA - Full load amps</i>			
Horsepower	1/2	3/4	1	1 1/2
208-230/1/60	3.4	5.3	6.8	8.8
208-230/3/60	2.2	3.0	3.6	5.7
460/3/60	1.1	1.6	1.8	2.8
575/3/60	N/A	N/A	1.4	2.0

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

AIR COOLED: Performance data at STANDARD airflow with remote outdoor condensing unit

MODEL NUMBER		DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
CONDENSING UNIT					
Condensing unit at 95° F ambient		DRCU-03	DRCU-03	DRCU-05	DRCU-05
208-230/1/60	FLA/MCA/MFS	18/21/30	20/24/40	28/34/50	33/40/60
208-230/3/60	FLA/MCA/MFS	13/15/20	15/17/25	18/21/30	22/26/40
460/3/60	FLA/MCA/MFS	6.6/7.7/15	7.2/8.5/15	10/11/15	11/13/20
Condensing unit at 100° F ambient		DRCU-03	DRCU-03	DRCU-05	DRCU-06
208-230/1/60	FLA/MCA/MFS	18/21/30	20/24/40	28/34/50	33/40/60
208-230/3/60	FLA/MCA/MFS	13/15/20	15/17/25	18/21/30	22/26/40
460/3/60	FLA/MCA/MFS	6.6/7.7/15	7.2/8.5/15	10/11/15	11/13/20
Condensing unit at 105° F ambient		DRCU-03	DRCU--05	DRCU-06	DRCU-07
208-230/1/60	FLA/MCA/MFS	18/21/30	20/24/40	28/34/50	33/40/60
208-230/3/60	FLA/MCA/MFS	13/15/20	15/17/25	18/21/30	22/26/40
460/3/60	FLA/MCA/MFS	6.6/7.7/15	7.2/8.5/15	10/11/15	11/13/20

Notes: Condensing units are not available in 575 volts.

Condensing units are selected at sea level.

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

AIR COOLED: Performance data at OPTIONAL airflow with remote outdoor condensing unit

MODEL NUMBER		DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	26,000	38,600	55,700	67,500
	Sensible	22,300	32,600	46,700	57,200
75° DB/62.5° WB 50% RH	Total	23,800	35,500	51,200	62,200
	Sensible	21,800	32,000	45,700	56,100
75° DB/61° WB 45% RH	Total	23,100	34,600	50,000	60,200
	Sensible	22,900	34,300	49,000	59,900
72° DB/60° WB 50% RH	Total	22,700	34,000	48,800	59,000
	Sensible	21,300	31,300	44,600	54,600
72° DB/58.6° WB 45% RH	Total	22,100	32,900	47,400	57,900
	Sensible	22,000	32,800	47,100	57,600

BLOWER SECTION					
Airflow - CFM		1,000	1,500	2,000	2,500
Standard motor - horsepower		3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)	<i>Downflow</i>	1.5	0.7	1.5	1.4
	<i>Upflow</i>	1.5	0.7	1.5	1.4
Maximum E.S.P. (Next Size Motor)	<i>Downflow</i>	1.5	1.5	1.5	N/A
	<i>Upflow</i>	1.5	1.5	1.5	N/A
Next size motor		1	1 1/2	2	N/A

COMPRESSOR		<i>in Condensing Unit</i>			
Type		Scroll	Scroll	Scroll	Scroll
Quantity		1	1	1	1
Refrigerant		R-22	R-22	R-22	R-22

EVAPORATOR COIL					
Face area - sq ft		3	3	5	5
Rows of coils		4	4	4	4
Face velocity - fpm		333	500	400	500

REHEAT SECTION					
Electric		Standard	Standard	Standard	Standard
kW		6	12	12	12
Capacity - Btu/hr		20,490	40,980	40,980	40,980

HUMIDIFIER SECTION					
Steam generator		Standard	Standard	Standard	Standard
kW		3.2	3.2	3.2	3.2
Capacity - lb/hr		10	10	10	10

AIR COOLED: Performance data at OPTIONAL airflow with remote outdoor condensing unit

MODEL NUMBER	DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
FILTERSECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30

(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)

CONNECTION SIZES				
Liquid line - O.D. Copper	1/2	1/2	1/2	1/2
Suction line - O.D. Copper	3/4	3/4	3/4	3/4
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4

(Note: Refer to Operation and Maintenance manual for recommended pipe sizing between indoor section and condensing unit.)

ELECTRICAL		Standard Motor			
Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	34/43/45	64/81/90	66/83/90	67/84/90
208-230/3/60	FLA/MCA/MFS	20/25/30	37/46/50	38/48/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	18/22/25	18/23/25
575/3/60	FLA/MCA/MFS	N/A	N/A	14/18/20	15/18/20

Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	22/27/30	23/29/30	25/31/35	26/32/35
208-230/3/60	FLA/MCA/MFS	19/24/25	20/25/30	21/26/30	22/28/30
460/3/60	FLA/MCA/MFS	9/11/15	9/11/15	10/13/15	10/13/15
575/3/60	FLA/MCA/MFS	N/A	N/A	7.9/9.9/15	8.4/10.5/15

Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	34/43/45	64/81/90	66/83/90	67/84/90
208-230/3/60	FLA/MCA/MFS	20/25/30	37/46/50	38/48/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	18/22/25	18/23/25
575/3/60	FLA/MCA/MFS	N/A	N/A	14/18/20	15/18/20

Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	5.3/6.6/15	6.8/8.5/15	8.8/11/15	9/12/15
208-230/3/60	FLA/MCA/MFS	3.0/3.8/15	3.6/4.5/15	5.7/7.1/15	6.0/7.5/15
460/3/60	FLA/MCA/MFS	1.5/1.9/15	1.8/2.3/15	2.8/3.5/15	3.0/3.8/15
575/3/60	FLA/MCA/MFS	N/A	N/A	2.0/2.5/15	2.5/3.1/15

STANDARD MOTOR					
Horsepower		3/4	1	1 1/2	2
208-230/1/60		5.3	6.8	8.8	9.3
208-230/3/60		3.0	3.6	5.7	6.0
460/3/60		1.5	1.8	2.8	3.0
575/3/60		N/A	N/A	2.0	2.5

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

AIR COOLED: Performance data at OPTIONAL airflow with remote outdoor condensing unit

MODEL NUMBER		DTAD/U-02	DTAD/U-03	DTAD/U-04	DTAD/U-05
CONDENSING UNIT					
Condensing unit at 95° F ambient		DRCU-03	DRCU-03	DRCU-05	DRCU-05
208-230/1/60	FLA/MCA/MFS	18/21/30	20/24/40	28/34/50	33/40/60
208-230/3/60	FLA/MCA/MFS	13/15/20	15/17/25	18/21/30	22/26/40
460/3/60	FLA/MCA/MFS	6.6/7.7/15	7.2/8.5/15	10/11/15	11/13/20
Condensing unit at 100° F ambient		DRCU-03	DRCU-03	DRCU-05	DRCU-06
208-230/1/60	FLA/MCA/MFS	18/21/30	20/24/40	28/34/50	33/40/60
208-230/3/60	FLA/MCA/MFS	13/15/20	15/17/25	18/21/30	22/26/40
460/3/60	FLA/MCA/MFS	6.6/7.7/15	7.2/8.5/15	10/11/15	11/13/20
Condensing unit at 105° F ambient		DRCU-03	DRCU-05	DRCU-06	DRCU-07
208-230/1/60	FLA/MCA/MFS	18/21/30	20/24/40	28/34/50	33/40/60
208-230/3/60	FLA/MCA/MFS	13/15/20	15/17/25	18/21/30	22/26/40
460/3/60	FLA/MCA/MFS	6.6/7.7/15	7.2/8.5/15	10/11/15	11/13/20

Notes: Condensing units are not available in 575 volts.

Condensing units are selected at sea level.

FLA - Full load amps

MCA - Minimum circuit amps (wire sizing amps)

MFS - Maximum overcurrent protection device amps

WATER COOLED: Performance data at STANDARD airflow

<i>MODEL NUMBER:</i>		<i>DTWD/U-02</i>	<i>DTWD/U-03</i>	<i>DTWD/U-04</i>	<i>DTWD/U-05</i>
CAPACITY in Btu/hr					
80° DB/67° WB	Total	26,200	41,100	56,200	68,300
50% RH	Sensible	20,000	30,200	42,000	51,400
75° DB/62.5° WB	Total	22,200	37,700	51,500	62,900
50% RH	Sensible	18,900	29,700	41,200	50,600
75° DB/61° WB	Total	23,400	36,800	50,200	61,200
45% RH	Sensible	20,900	31,600	43,800	53,800
72° DB/60° WB	Total	22,900	35,900	49,200	59,900
50% RH	Sensible	19,200	29,100	40,400	49,500
72° DB/58.6° WB	Total	22,100	35,100	48,200	58,700
45% RH	Sensible	20,300	30,900	42,900	52,600
BLOWER SECTION					
Airflow - CFM		800	1,200	1,600	2,000
Standard motor - horsepower		1/2	3/4	1	1 1/2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P.	(Standard motor)	0.8	0.9	0.9	1.5
Maximum E.S.P.	(Next size motor)	0.8	1.5	0.9	1.5
Next size motor - horsepower		3/4	1	1 1/2	2
COMPRESSORS					
Type		Scroll	Scroll	Scroll	Scroll
Quantity		1	1	1	1
Refrigerant type		R-22	R-22	R-22	R-22
EVAPORATOR COIL					
Face area - sq ft		3	3	5	5
Rows of coils		4	4	4	4
Face velocity - fpm		267	400	320	400
REHEAT SECTION					
Electric		Standard	Standard	Standard	Standard
kW		6	12	12	12
Capacity - Btu/hr		20,490	40,980	40,980	40,980
HUMIDIFIER SECTION					
Steam generator		Standard	Standard	Standard	Standard
kW		3.2	3.2	3.2	3.2
Capacity - lb/hr		10	10	10	10

WATER COOLED: Performance data at STANDARD airflow

MODEL NUMBER:	DTWD/U-02	DTWD/U-03	DTWD/U-04	DTWD/U-05
FILTER SECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30
(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)				

CONNECTION SIZES				
Condenser water supply - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condenser water return - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4
(Note: Refer to Operation and Maintenance Manual for piping information between indoor unit and water source.)				

ELECTRICAL SECTION		Standard Motor			
Electrical data based on STANDARD UNIT: electric reheat - YES , steam generator humidifier - YES , and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	43/52/60	79/97/100	88/109/110	95/117/125
208-230/1/60	FLA/MCA/MFS	26/32/35	47/58/60	50/62/70	56/66/70
460/3/60	FLA/MCA/MFS	12/15/20	22/27/30	24/30/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	19/24/25	21/26/30

Electrical data based on: electric reheat - NO , steam generator humidifier - YES , and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	30/37/40	37/45/50	46/56/70	54/65/80
208-230/3/60	FLA/MCA/MFS	26/32/35	30/36/40	33/41/50	39/48/50
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	17/20/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	13/16/20	15/18/20

Electrical data based on: electric reheat - YES , steam generator humidifier - NO , and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	43/52/60	79/97/100	88/109/110	95/117/125
208-230/3/60	FLA/MCA/MFS	26/32/35	47/58/60	50/62/70	56/69/70
460/3/60	FLA/MCA/MFS	12/15/20	22/27/30	24/30/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	19/24/25	21/26/30

Electric data based on: electric reheat - NO , steam generator humidifier - NO , and STANDARD MOTOR.					
208-230/1/60	FLA/MCA/MFS	14/16/25	21/25/40	31/36/60	38/45/70
208-230/3/60	FLA/MCA/MFS	9/11/15	13/16/25	17/20/30	23/27/40
460/3/60	FLA/MCA/MFS	4.6/5.5/15	6.6/7.9/15	9/11/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.2/8.7/15	9/11/15

STANDARD MOTOR		<i>FLA - Full load amps</i>			
Horsepower		1/2	3/4	1	1 1/2
208-230/1/60	FLA	3.4	5.3	6.8	8.8
208-230/3/60	FLA	2.2	3.0	3.6	5.7
460/3/60	FLA	1.1	1.5	1.8	2.8
575/3/60	FLA	N/A	N/A	1.4	2.0

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

WATER COOLED: Performance data at STANDARD airflow

MODEL NUMBER: *DTWD/U-02* *DTWD/U-03* *DTWD/U-04* *DTWD/U-05*

ELECTRICAL SECTION

Next Size Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	4/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/45	35/42/50	40/48/60
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

NEXT SIZE MOTOR

FLA - Full load amps

Horsepower		3/4	1	1 1/2	2
208-230/1/60	FLA	5.3	6.8	8.8	9.8
208-230/3/60	FLA	3.0	3.6	5.7	6.0
460/3/60	FLA	1.5	1.8	2.8	3.0
575/3/60	FLA	N/A	N/A	2.0	2.5

COMPRESSOR

FLA - Full load amps

Nominal tons		2	3	4	5
208-230/1/60	FLA	10.3	16	23.7	28.8
208-230/3/60	FLA	7.1	10.3	13.5	17.3
460/3/60	FLA	3.5	5.1	7.4	9.0
575/3/60	FLA	N/A	N/A	5.8	7.1

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

WATER COOLED: Performance data at STANDARD airflow

MODEL NUMBER: *DTWD/U-02* *DTWD/U-03* *DTWD/U-04* *DTWD/U-05*

CONDENSER WATER

Requirements at maximum design water pressure of 150 psi (high pressure optional).

65° F entering fluid temperature	GPM	2.6	3.9	5.2	6.5
	PD in PSI	0.9	1.9	0.9	1.2
75° F entering fluid temperature	GPM	4.2	6.2	8.3	10.4
	PD in PSI	1.6	5.8	1.5	2.5
85° F entering fluid temperature	GPM	6.0	9.0	12.0	15.0
	PD in PSI	3.2	7.5	3.5	5.0
With fluid cooler	GPM	7.0	10.5	14	17.5
	PD in PSI	4.0	8.2	4.4	6.5

PUMP SELECTION

At design flow

Horsepower		3/4	3/4	1	1
Pump electrical data					
208-230/1/60	FLA	4.8	4.8	5.8	.8
208-230/3/60	FLA	2.6	2.6	3.2	3.2
460/3/60	FLA	1.3	1.3	1.6	1.6

FLA - Full Load Amps

WATER COOLED: Performance data at OPTIONAL airflow

<i>MODEL NUMBER:</i>		<i>DTWD/U-02</i>	<i>DTWD/U-03</i>	<i>DTWD/U-04</i>	<i>DTWD/U-05</i>
CAPACITY in Btu/hr					
80° DB/67° WB	Total	26,900	42,400	58,100	70,500
50% RH	Sensible	22,600	34,000	47,600	58,300
75° DB/62.5° WB	Total	24,800	39,300	53,400	65,000
50% RH	Sensible	22,200	33,500	46,600	57,200
75° DB/61° WB	Total	23,900	38,300	52,200	62,900
45% RH	Sensible	23,700	35,800	50,000	61,000
72° DB/60° WB	Total	23,700	37,300	50,800	61,700
50% RH	Sensible	21,700	32,700	45,500	55,700
72° DB/58.6° WB	Total	23,100	36,500	49,800	60,500
45% RH	Sensible	23,000	34,900	48,600	59,600
BLOWER SECTION					
Airflow - CFM		1,000	1,500	2,000	2,500
Standard motor - horsepower		3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard motor)		1.5	0.7	1.5	1.4
Maximum E.S.P. (Next size motor)		1.5	1.5	1.5	N/A
Next size motor - horsepower		1	1 1/2	2	N/A
COMPRESSORS					
Type		Scroll	Scroll	Scroll	Scroll
Quantity		1	1	1	1
Refrigerant type		R-22	R-22	R-22	R-22
EVAPORATOR COIL					
Face area - sq ft		3	3	5	5
Rows of coils		4	4	4	4
Face velocity FPM		333	500	400	500
REHEAT SECTION					
Electric		Standard	Standard	Standard	Standard
kW		6	12	12	12
Capacity - Btu/hr		20,490	40,980	40,980	40,980
HUMIDIFIER SECTION					
Steam generator		Standard	Standard	Standard	Standard
kW		3.2	3.2	3.2	3.2
Capacity - lb/hr		10	10	10	10

WATER COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER: DTWD/U-02 DTWD/U-03 DTWD/U-04 DTWD/U-05

FILTERSECTION

Quantity	1	1	1	1
Size - Inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30

(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)

CONNECTION SIZES

Condenser water supply - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condenser water return - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4

(Note: Refer to Operation and Maintenance Manual for piping information between indoor unit and water source.)

ELECTRICAL SECTION

Standard Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/1/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electric data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/40	36/43/45	40/48/50
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

STANDARD MOTOR

FLA - Full load amps

Horsepower		3/4	1	1 1/2	2
208-230/1/60	FLA	5.3	6.8	8.8	9.3
208-230/3/60	FLA	3.0	3.6	5.7	6.0
460/3/60	FLA	1.5	1.8	2.8	3.0
575/3/60	FLA	N/A	N/A	2.0	2.5

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amp

WATER COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER: *DTWD/U-02* *DTWD/U-03* *DTWD/U-04* *DTWD/U-05*

ELECTRICAL SECTION

Next Size Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	N/A
208-230/3/60	FLA/MCA/MFS	27/33/35	49/60/70	53/65/70	N/A
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	N/A

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	33/40/45	41/49/60	49/59/70	N/A
208-230/3/60	FLA/MCA/MFS	27/33/35	32/39/45	36/43/50	N/A
460/3/60	FLA/MCA/MFS	13/15/20	15/18/20	18/21/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	N/A

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	N/A
208-230/3/60	FLA/MCA/MFS	27/33/35	49/60/70	53/65/70	N/A
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	N/A

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	17/20/25	25/29/40	33/38/60	N/A
208-230/3/60	FLA/MCA/MFS	11/12/15	16/19/25	20/23/35	N/A
460/3/60	FLA/MCA/MFS	5.3/6.2/15	7.9/9.2/15	10/12/15	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	8.3/9.8/15	N/A

NEXT SIZE MOTOR

FLA - Full load amps

Horsepower		1	1 1/2	2	N/A
208-230/1/60	FLA	6.8	8.8	9.3	N/A
208-230/3/60	FLA	3.6	5.7	6.0	N/A
460/3/60	FLA	1.8	2.8	3.0	N/A
575/3/60	FLA	N/A	N/A	2.5	N/A

COMPRESSOR

FLA - Full load amps

Nominal tons		2	3	4	5
208-230/1/60	FLA	10.3	16.0	23.7	28.8
208-230/3/60	FLA	7.1	10.3	13.5	17.3
460/3/60	FLA	3.5	5.1	7.4	9.0
575/3/60	FLA	N/A	N/A	5.8	7.1

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

WATER COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER: *DTWD/U-02* *DTWD/U-03* *DTWD/U-04* *DTWD/U-05*

CONDENSER WATER

Requirements at maximum design water pressure of 150 psi (high pressure optional).

65° F entering fluid temperature	GPM	2.6	3.9	5.2	6.5
	PD in PSI	0.9	1.9	0.9	1.2
75° F entering fluid temperature	GPM	4.2	6.2	8.3	10.4
	PD in PSI	1.6	5.8	1.5	2.5
85° F entering fluid temperature	GPM	6.0	9.0	12.0	15.0
	PD in PSI	3.2	7.5	3.5	5.0
With fluid cooler	GPM	7.0	10.5	14.0	17.5
	PD in PSI	4.0	8.2	4.4	6.5

PUMP SELECTION

At design flow

Horsepower		3/4	3/4	1	1
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PUMPELECTRICALDATA

208-230/1/60	FLA	4.8	4.8	5.8	5.8
208-230/3/60	FLA	2.6	2.6	3.2	3.2
460/3/60	FLA	1.3	1.3	1.6	1.6

(Note: Pump selection is based on total available head pressure of 80 feet of water.)

FLA - Full Load Amps

GLYCOL COOLED: Performance data at STANDARD airflow

<i>MODEL NUMBER:</i>	<i>DTGD/U-02</i>	<i>DTGD/U-03</i>	<i>DTGD/U-04</i>	<i>DTGD/U-05</i>	
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total Sensible	24,600 19,400	36,600 28,500	52,900 40,700	63,800 49,700
75° DB/62.5° WB 50% RH	Total Sensible	22,500 19,000	33,600 28,000	48,500 39,900	58,700 48,800
75° DB/61° WB 45% RH	Total Sensible	21,800 20,200	32,700 29,800	46,900 42,400	57,100 52,000
72° DB/60° WB 50% RH	Total Sensible	21,500 18,600	32,100 27,400	46,000 38,900	56,300 47,900
72° DB/58.6° WB 45% RH	Total Sensible	20,800 19,700	31,400 29,200	45,000 41,400	54,800 50,900
BLOWER SECTION					
Airflow - CFM		800	1,200	1,600	2,000
Standard motor - horsepower		1/2	3/4	1	1 1/2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)		0.8	0.9	0.9	1.5
Maximum E.S.P. (Next Size Motor)		0.8	1.5	0.9	1.5
Next size motor - horsepower		3/4	1	1 1/2	2
COMPRESSORS					
Type		Scroll	Scroll	Scroll	Scroll
Quantity		1	1	1	1
Refrigerant type		R-22	R-22	R-22	R-22
EVAPORATOR COIL					
Face area - sq ft		3	3	5	5
Rows of coils		4	4	4	4
Face velocity - fpm		267	400	320	400
REHEAT SECTION					
Electric		Standard	Standard	Standard	Standard
kW		6	12	12	12
Capacity - Btu/hr		20,490	40,980	40,980	40,980
HUMIDIFIER SECTION					
Steam generator		Standard	Standard	Standard	Standard
kW		3.2	3.2	3.2	3.2
Capacity - lb/hr		10	10	10	10

GLYCOL COOLED: Performance data at STANDARD airflow

MODEL NUMBER:	DTGD/U-02	DTGD/U-03	DTGD/U-04	DTGD/U-05
FILTER SECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percent	30	30	30	30
<i>(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)</i>				

CONNECTION SIZES				
Condenser water supply - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condenser water return - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4
<i>(Note: Refer to Operation and Maintenance Manual for piping information between indoor unit and dry cooler.)</i>				

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	43/52/60	79/97/100	88/109/110	95/117/125
208-230/1/60	FLA/MCA/MFS	26/32/35	47/58/60	50/62/70	56/66/70
460/3/60	FLA/MCA/MFS	12/15/20	22/27/30	24/30/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	19/24/25	21/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	30/37/40	38/46/50	47/57/70	54/65/80
208-230/3/60	FLA/MCA/MFS	26/32/35	30/36/40	38/41/50	39/46/50
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	17/20/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	13/16/20	15/18/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	43/52/60	79/97/100	88/109/110	95/117/125
208-230/3/60	FLA/MCA/MFS	26/32/35	47/58/60	50/62/70	56/69/70
460/3/60	FLA/MCA/MFS	12/15/20	22/27/30	24/30/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	19/24/25	21/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	14/16/25	21/25/40	31/36/60	38/45/70
208-230/3/60	FLA/MCA/MFS	9/11/15	13/16/25	17/20/30	23/27/40
460/3/60	FLA/MCA/MFS	4.6/5.5/15	6.6/7.9/15	9/11/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.2/8.7/15	9/11/15

STANDARD MOTOR		<i>FLA - Full load amps</i>			
Horsepower		1/2	3/4	1	1 1/2
208-230/1/60	FLA	3.4	5.3	6.8	8.8
208-230/3/60	FLA	2.2	3.0	3.6	5.7
460/3/60	FLA	1.1	1.5	1.8	2.8
575/3/60	FLA	N/A	N/A	1.4	2.0

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

GLYCOL COOLED: Performance data at STANDARD airflow

MODEL NUMBER: *DTGD/U-02* *DTGD/U-03* *DTGD/U-04* *DTGD/U-05*

ELECTRICAL SECTION

Next Size Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/40	35/42/50	40/48/60
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

NEXT SIZE MOTOR

FLA - Full load amps

Horsepower		3/4	1	1 1/2	2
208-230/1/60	FLA	5.3	6.8	8.8	9.8
208-230/3/60	FLA	3.0	3.6	5.7	6.0
460/3/60	FLA	1.5	1.8	2.8	3.0
575/3/60	FLA	N/A	N/A	2.0	2.5

COMPRESSOR

FLA - Full load amps

Nominal tons		2	3	4	5
208-230/1/60	FLA	10.3	16.0	23.7	28.8
208-230/3/60	FLA	7.1	10.3	13.5	17.3
460/3/60	FLA	3.5	5.1	7.4	9.0
575/3/60	FLA	N/A	N/A	5.8	7.1

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

GLYCOL COOLED: Performance data at STANDARD airflow

<i>MODEL NUMBER:</i>		<i>DTGD/U-02</i>	<i>DTGD/U-03</i>	<i>DTGD/U-04</i>	<i>DTGD/U-05</i>
FLUID COOLER SELECTIONS					
Fluid cooler at 95° F ambient		DAFC-06	DAFC-06	DAFC-06	DAFC-07
208-230/1/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15
208-230/3/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15
460/3/60	FLA/MCA/MFS	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15
Fluid cooler at 100° F ambient		DAFC-06	DAFC-06	DAFC-09	DAFC-15
208-230/1/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	8.4/9.5/15
208-230/3/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	8.4/9.5/15
460/3/60	FLA/MCA/MFS	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15	4.2/4.7/15

CONDENSER WATER

Requirements at maximum design water pressure of 150 psi (high pressure optional).

65° F entering fluid temperature	GPM	2.6	3.9	5.2	6.5
	PD in PSI	0.9	1.9	0.9	1.2
75° F entering fluid temperature	GPM	4.2	6.2	8.3	10.4
	PD in PSI	1.6	5.8	1.5	2.5
85° F entering fluid temperature	GPM	6.0	9.0	12.0	15.0
	PD in PSI	3.2	7.5	3.5	5.0
With fluid cooler	GPM	7.0	10.5	14.0	17.5
	PD in PSI	4.0	8.2	4.4	6.5

PUMP SELECTION

At design flow

Horsepower		3/4	3/4	1	1
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PUMPELECTRICAL DATA

208-230/1/60	FLA	4.8	4.8	5.8	5.8
208-230/3/60	FLA	2.6	2.6	3.2	3.2
460/3/60	FLA	1.3	1.3	1.6	1.6

Notes: Fluid coolers are not available in 575 volts.
 Fluid coolers are selected at sea level.
 Pump selection is based on total available head pressure of 80 feet of water.

FLA - Full load amps

GLYCOL COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER:	DTGD/U-02	DTGD/U-03	DTGD/U-04	DTGD/U-05
CAPACITY in Btu/hr				
80° DB/67° WB Total	25,400	37,800	54,500	66,000
50% RH Sensible	22,100	32,400	46,300	56,600
75° DB/62.5° WB Total	23,200	34,800	50,100	60,800
50% RH Sensible	21,600	31,700	45,300	55,500
75° DB/61° WB Total	22,500	33,900	48,900	58,800
45% RH Sensible	22,400	33,700	48,600	58,500
72° DB/60° WB Total	22,200	33,100	47,600	57,700
50% RH Sensible	21,000	30,900	44,200	54,100
72° DB/58.6° WB Total	21,600	32,300	46,300	56,600
45% RH Sensible	21,500	32,100	46,100	56,300
BLOWER SECTION				
Airflow - CFM	1,000	1,500	2,000	2,500
Standard motor - horsepower	3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G.	0.5	0.5	0.5	0.5
Number of motors/fans	1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)	1.5	0.7	1.5	1.4
Maximum E.S.P. (Next Size Motor)	1.5	1.5	1.5	N/A
Next size motor - horsepower	1	1 1/2	2	N/A
COMPRESSORS				
Type	Scroll	Scroll	Scroll	Scroll
Quantity	1	1	1	1
Refrigerant type	R-22	R-22	R-22	R-22
EVAPORATOR COIL				
Face area - sq ft	3	3	5	5
Rows of coils	4	4	4	4
Face velocity - fpm	333	500	400	500
REHEAT SECTION				
Electric kW	Standard	Standard	Standard	Standard
Capacity - Btu/hr	6	12	12	12
	20,490	40,980	40,980	40,980
HUMIDIFIER SECTION				
Steam generator kW	Standard	Standard	Standard	Standard
Capacity - lb/hr	3.2	3.2	3.2	3.2
	10	10	10	10

GLYCOL COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER:	DTGD/U-02	DTGD/U-03	DTGD/U-04	DTGD/U-05
FILTER SECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30
<i>(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)</i>				

CONNECTION SIZES				
Condenser water supply - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condenser water return - O.D. Copper	3/4	3/4	1 1/8	1 1/8
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4
<i>(Note: Refer to Operation and Maintenance Manual for piping information between indoor unit and dry cooler.)</i>				

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/40	36/43/45	40/48/50
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

<u>Electrical data based on: electric reheat YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	53/64/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

STANDARD MOTOR		<i>FLA - Full load amps</i>			
Horsepower		3/4	1	1 1/2	2
208-230/1/60	FLA	5.3	6.8	8.8	9.3
208-230/3/60	FLA	3.0	3.6	5.7	6.0
460/3/60	FLA	1.5	1.8	2.8	3.0
575/3/60	FLA	N/A	N/A	2.0	2.5

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

GLYCOL COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER: *DTGD/U-02* *DTGD/U-03* *DTGD/U-04* *DTGD/U-05*

ELECTRICAL SECTION

Next Size Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	N/A
208-230/3/60	FLA/MCA/MFS	27/33/35	49/60/70	53/65/70	N/A
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	N/A

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	33/40/45	41/49/60	49/59/70	N/A
208-230/3/60	FLA/MCA/MFS	27/33/35	32/39/45	36/43/50	N/A
460/3/60	FLA/MCA/MFS	13/15/20	15/18/20	18/21/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	N/A

Electrical data based on: electrical reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	N/A
208-230/3/60	FLA/MCA/MFS	27/33/35	49/60/70	53/65/70	N/A
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	N/A

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	17/20/25	25/29/40	33/38/60	N/A
208-230/3/60	FLA/MCA/MFS	11/12/15	16/19/25	20/23/35	N/A
460/3/60	FLA/MCA/MFS	5.3/6.2/15	7.9/9.2/15	10/12/15	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	8.3/9.8/15	N/A

NEXT SIZE MOTOR

Horsepower		1	1 1/2	2	N/A
208-230/1/60	FLA	6.8	8.8	9.3	N/A
208-230/3/60	FLA	3.6	5.7	6.0	N/A
460/3/60	FLA	1.8	2.8	3.0	N/A
575/3/60	FLA	N/A	N/A	2.5	N/A

COMPRESSOR

Nominal tons		2	3	4	N/A
208-230/1/60	FLA	10.3	16.0	23.7	N/A
208-230/3/60	FLA	7.1	10.3	13.5	N/A
460/3/60	FLA	3.5	5.1	7.4	N/A
575/3/60	FLA	N/A	N/A	5.8	N/A

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection service amps

GLYCOL COOLED: Performance data at OPTIONAL airflow

<i>MODEL NUMBER:</i>		<i>DTGD/U-02</i>	<i>DTGD/U-03</i>	<i>DTGD/U-04</i>	<i>DTGD/U-05</i>
FLUID COOLER SELECTIONS		Electrical Data			
Fluid cooler at 95° F ambient		DAFC-06	DAFC-06	DAFC-06	DAFC-07
208-230/1/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15
208-230/3/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15
460/3/60	FLA/MCA/MFS	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15
Fluid cooler at 100° F ambient		DAFC-06	DAFC-06	DAFC-09	DAFC-15
208-230/1/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	8.4/9.5/15
208-230/3/60	FLA/MCA/MFS	4.2/5.3/15	4.2/5.3/15	4.2/5.3/15	8.4/9.5/15
460/3/60	FLA/MCA/MFS	2.1/2.6/15	2.1/2.6/15	2.1/2.6/15	4.2/4.7/15

CONDENSER WATER

Requirements at maximum design water pressure of 150 psi (high pressure optional).

65° F entering fluid temperature	GPM	2.6	3.9	5.2	6.5
	PD in PSI	0.9	1.9	0.9	1.2
75° F entering fluid temperature	GPM	4.2	6.2	8.3	10.4
	PD in PSI	1.6	5.8	1.5	2.5
85° F entering fluid temperature	GPM	6.0	9.0	12.0	15.0
	PD in PSI	3.2	7.5	3.5	5.0
With fluid cooler	GPM	7.0	10.5	14.0	17.5
	PD in PSI	4.0	8.2	4.4	6.5

PUMP SELECTION

At design flow

Horsepower		3/4	3/4	1	1
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PUMPELECTRICALDATA

208-230/1/60	FLA	4.8	4.8	5.8	5.8
208-230/3/60	FLA	2.6	2.6	3.2	3.2
460/3/60	FLA	1.3	1.3	1.6	1.6

Notes: Fluid Coolers are not available in 575 volts.
 Fluid Coolers are selected at sea level.
 Pump selection is based on total available head pressure of 80 feet of water.

AUXILIARY CHILLED WATER: Performance data at STANDARD airflow

Based on 45° F entering fluid temperature - capacity in Btu/hr

MODEL NUMBER		DT*D/U-02	DT*D/U-03	DT*D/U-04	DT*D/U-05
CAPACITY in Btu/hr		Entering air temperature			
75° F DB/62.5° F WB	Total	28,000	39,500	54,400	65,300
50% RH	Sensible	21,700	31,200	42,400	51,600
72° F DB/62.5° F WB	Total	23,800	33,600	46,200	55,500
50% RH	Sensible	19,900	28,700	38,900	47,400
Rows of coils		4	4	4	4
GPM		7.0	10.5	14.0	17.5
Pressure drop in PSI		1.8	3.6	6.5	9.7

BLOWER SECTION

Airflow - CFM		800	1,200	1,600	2,000
Standard motor - horsepower (with Auxiliary CW coil)		3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P.	<i>Downflow</i>	0.8	1.2	0.9	1.2
	<i>Upflow</i>	0.8	1.2	0.9	1.2

ELECTRICAL SECTION

Standard Motor

Electrical data based on STANDARD unit: electric reheat - **YES**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	52/63/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/40	35/42/50	40/48/60
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	52/63/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

AUXILIARY CHILLED WATER: Performance data at OPTIONAL airflow

Based on 45° F entering fluid temperature - capacity in Btu/hr

MODEL NUMBER		DT*D/U-02	DT*D/U-03	DT*D/U-04	DT*D/U-05
CAPACITY in Btu/hr		Entering air temperature			
75° F DB/62.5° F WB	Total	31,900	44,700	61,800	73,900
50% RH	Sensible	25,600	36,700	50,000	47,400
72° F DB/62.5° F WB	Total	27,300	38,300	52,800	63,400
50% RH	Sensible	23,700	28,700	46,100	56,000
Rows of coils		4	4	4	4
GPM		7.0	10.5	14.0	17.5
Pressure drop in PSI		1.8	3.6	6.5	9.7

BLOWER SECTION					
Airflow - CFM		1,000	1,500	2,000	2,500
Standard motor - horsepower (with Auxiliary CW coil)		1	1 1/2	2	2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P.	<i>Downflow</i>	1.0	1.0	1.2	1.0
	<i>Upflow</i>	1.0	1.0	1.2	N/A

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	48/59/60	53/65/70	57/69/70
460/3/60	FLA/MCA/MFS	13/16/20	25/31/35	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	33/40/45	41/49/60	49/56/70	54/66/90
208-230/3/60	FLA/MCA/MFS	27/33/35	31/38/40	36/43/50	40/48/60
460/3/60	FLA/MCA/MFS	13/15/20	15/18/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	46/56/70	82/101/110	91/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	48/59/60	53/65/70	57/69/70
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	17/20/25	25/29/40	33/39/60	38/45/70
208-230/3/60	FLA/MCA/MFS	11/12/15	15/18/25	20/23/35	23/28/40
460/3/60	FLA/MCA/MFS	5.3/6.2/15	7.9/9.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.3/9.8/15	10/11/15

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

ENERGY SAVER: Performance data at STANDARD airflow

Based on 45° F entering fluid temperature with 40% glycol solution - capacity in Btu/hr

MODEL NUMBER		DT*D/U-02	DT*D/U-03	DT*D/U-04	DT*D/U-05
CAPACITY in Btu/hr		Entering air temperature			
75° F DB/62.5° F WB 50% RH	Total Sensible	23,300 19,600	31,700 27,600	46,800 39,000	56,300 47,500
72° F DB/62.5° F WB 50% RH	Total Sensible	20,200 18,200	27,500 25,700	40,400 36,100	48,600 44,000
Rows of coils		4	4	4	4
GPM		7.0	10.5	14.0	17.5
Pressure drop - PSI		4.6	10.1	9.2	14.6

BLOWER SECTION		DT*D/U-02	DT*D/U-03	DT*D/U-04	DT*D/U-05
Airflow - CFM		800	1,200	1,600	2,000
Standard motor - horsepower (with Energy Saver coil)		3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P.	<i>Downflow</i>	0.8	1.2	0.9	1.2
	<i>Upflow</i>	0.8	1.2	0.9	1.2

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	52/63/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	32/39/40	39/47/50	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	26/32/35	30/37/40	35/42/50	40/48/60
460/3/60	FLA/MCA/MFS	12/15/20	14/17/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	44/54/60	80/99/100	90/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	47/58/60	52/63/70	57/69/70
460/3/60	FLA/MCA/MFS	13/15/20	22/27/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	16/18/25	23/27/40	33/38/60	38/45/70
208-230/3/60	FLA/MCA/MFS	10/12/15	14/16/25	18/22/35	23/28/40
460/3/60	FLA/MCA/MFS	5.0/5.9/15	6.9/8.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.8/9.3/15	10/11/15

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

ENERGY SAVER: Performance data at OPTIONAL airflow

Based on 45° F entering fluid temperature with 40% glycol solution - capacity in Btu/hr

MODEL NUMBER		DT*D/U-02	DT*D/U-03	DT*D/U-04	DT*D/U-05
CAPACITY in Btu/hr		Entering air temperature			
75° F DB/62.5° F WB	Total	26,000	35,200	52,300	62,800
50% RH	Sensible	22,900	32,200	45,700	55,500
72° F DB/62.5° F WB	Total	22,700	30,900	45,500	54,700
50% RH	Sensible	21,300	29,800	42,400	51,500
Rows of coils		4	4	4	4
GPM		7.0	10.5	14.0	17.5
Pressure drop - PSI		4.6	10.1	9.2	14.6

BLOWER SECTION					
Airflow - CFM		1,000	1,500	2,000	2,500
Standard motor - horsepower (with Energy Saver coil)		1	1 1/2	2	2
External static pressure (E.S.P.) - inches of W.G.		0.5	0.5	0.5	0.5
Number of motors/fans		1/1	1/1	1/1	1/1
Maximum E.S.P.	<i>Downflow</i>	1.0	1.0	1.2	1.0
	<i>Upflow</i>	1.0	1.0	1.2	1.0

ELECTRICAL SECTION		Standard Motor			
<u>Electrical data based on STANDARD UNIT: electric reheat - YES, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	48/59/60	53/65/70	57/69/70
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	33/40/45	41/49/60	49/59/70	54/66/90
208-230/3/60	FLA/MCA/MFS	27/33/35	31/38/40	36/43/50	40/48/60
460/3/60	FLA/MCA/MFS	13/15/20	15/18/20	18/21/25	19/23/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/20

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	46/56/60	82/101/110	91/111/125	96/117/125
208-230/3/60	FLA/MCA/MFS	27/33/35	48/59/60	53/65/70	57/69/70
460/3/60	FLA/MCA/MFS	13/16/20	23/28/30	25/31/35	27/33/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/26/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	17/20/25	25/29/40	33/39/60	38/45/70
208-230/3/60	FLA/MCA/MFS	11/12/15	15/18/25	20/23/35	23/28/40
460/3/60	FLA/MCA/MFS	5.3/6.2/15	7.9/9.2/15	10/12/15	12/14/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.3/9.8/15	10/11/15

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

CHILLED WATER: Performance data at STANDARD airflow

MODEL NUMBER:		<i>DTCD/U-02</i>	<i>DTCD/U-03</i>	<i>DTCD/U-04</i>	<i>DTCD/U-05</i>
CAPACITY in Btu/hr		Based on 45° F entering chilled water			
80° DB/67° WB 50% RH	Total	37,500	51,500	71,500	84,900
	Sensible	25,000	35,300	48,200	58,200
	Flow rate - GPM	8.0	11.0	15.0	18.0
	Pressure drop - PSI	2.2	3.9	7.3	10.3
75° DB/62.5° WB 50% RH	Total	26,900	36,700	51,200	60,600
	Sensible	21,200	29,900	40,900	49,400
	Flow rate - GPM	6.0	8.0	11.0	13.0
	Pressure drop - PSI	1.3	2.3	4.2	5.6
75° DB/61° WB 45% RH	Total	25,000	34,400	47,700	56,700
	Sensible	21,900	31,300	42,400	51,300
	Flow rate - GPM	6.0	8.0	11.0	13.0
	Pressure drop - PSI	1.3	2.3	4.2	5.6
72° DB/60° WB 50% RH	Total	21,900	29,100	41,600	49,800
	Sensible	19,000	26,400	36,700	44,500
	Flow rate - GPM	5.0	6.0	9.0	11.0
	Pressure drop - PSI	0.9	2.3	2.8	3.9
72° DB/58.6° WB 45% RH	Total	20,700	28,000	39,500	48,500
	Sensible	19,800	27,500	38,100	46,200
	Flow rate - GPM	5.0	6.0	9.0	11.0
	Pressure drop - PSI	0.9	1.3	2.8	3.9

BLOWER SECTION

Airflow - CFM	800	1,200	1,600	2,000
Standard motor - horsepower	1/2	3/4	1	1 1/2
External static pressure (E.S.P.) - inches of W.G.	0.5	0.5	0.5	0.5
Number of motor/fans	1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard motor)	0.8	0.9	0.9	1.5
Maximum E.S.P. (Next size motor)	0.8	1.5	0.9	1.5
Next size motor - horsepower	3/4	1	1 1/2	2

CHILLED WATER COIL

Face area - sq ft	3	3	5	5
Rows of coils	4	4	4	4
Face velocity - fpm	267	400	320	400

CHILLED WATER CONTROL

Design pressure 250 psi

Control method	Modulating	Modulating	Modulating	Modulating
Valve body	3-way	3-way	3-way	3-way
Valve CV	14	14	14	14
Valve size - inches	1	1	1	1

REHEAT SECTION

Electric kW	Standard	Standard	Standard	Standard
Capacity - Btu/hr	6	12	12	12
	20,490	40,980	40,980	40,980

CHILLED WATER: Performance data at STANDARD airflow

MODEL NUMBER: *DTCD/U-02* *DTCD/U-03* *DTCD/U-04* *DTCD/U-05*

FILTER SECTION

Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30

(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)

HUMIDIFIER SECTION

Steam generator	Standard	Standard	Standard	Standard
kW	3.2	3.2	3.2	3.2
Capacity - lb/hr	10	10	10	10

ELECTRICAL SECTION

Standard Motor

Electrical data based on STANDARD UNIT: electric reheat - **YES**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	32/40/45	63/79/80	64/81/90	66/83/90
208-230/3/60	FLA/MCA/MFS	19/24/25	36/45/50	37/46/50	38/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	17/21/25	18/22/25
575/3/60	FLA/MCA/MFS	N/A	N/A	13/17/20	14/18/20

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	20/25/30	22/27/30	23/29/30	25/31/35
208-230/3/60	FLA/MCA/MFS	19/23/25	19/24/25	20/25/30	21/26/30
460/3/60	FLA/MCA/MFS	9/11/15	9/11/15	9.0/11.5/15	10/13/15
575/3/60	FLA/MCA/MFS	N/A	N/A	7.3/9.1/15	7.9/9.9/15

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	32/40/45	63/79/80	64/81/90	66/83/90
208-230/3/60	FLA/MCA/MFS	19/24/25	36/45/50	37/46/50	38/48/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	17/21/25	18/22/25
575/3/60	FLA/MCA/MFS	N/A	N/A	13/17/20	14/18/20

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	3.4/4.3/15	5.3/6.6/15	6.8/8.5/15	9/11/15
208-230/3/60	FLA/MCA/MFS	2.2/2.8/15	3.0/3.8/15	3.6/4.5/15	5.7/7.1/15
460/3/60	FLA/MCA/MFS	1.1/1.4/15	1.5/1.9/15	1.8/2.3/15	2.8/3.5/15
575/3/60	FLA/MCA/MFS	N/A	N/A	1.4/1.8/15	2.0/2.5/15

STANDARD MOTOR

FLA - Full load amps

Horsepower	1/2	3/4	1	1 1/2
208-230/1/60	3.4	5.3	6.8	8.8
208-230/3/60	2.2	3.0	3.6	5.7
460/3/60	1.1	1.5	1.8	2.8
575/3/60	N/A	N/A	1.4	2.0

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

CHILLED WATER: Performance data at STANDARD airflow

MODEL NUMBER: DTCD/U-02 DTCD/U-03 DTCD/U-04 DTCD/U-05

ELECTRICAL SECTION

Next Size Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	34/43/45	64/81/90	66/83/90	67/84/90
208-230/3/60	FLA/MCA/MFS	20/25/30	37/46/50	38/48/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	18/22/25	18/23/25
575/3/60	FLA/MCA/MFS	N/A	N/A	14/18/20	15/18/20

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	22/27/30	23/29/30	25/31/35	26/32/35
208-230/3/60	FLA/MCA/MFS	19/24/25	20/25/30	21/26/30	22/28/30
460/3/60	FLA/MCA/MFS	9/11/15	9/11/15	10/13/15	10/13/15
575/3/60	FLA/MCA/MFS	N/A	N/A	7.9/9.9/15	8.4/10.5/15

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	34/43/45	64/81/90	66/83/90	67/84/90
208-230/3/60	FLA/MCA/MFS	20/25/30	37/46/50	38/48/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	18/22/25	18/23/25
575/3/60	FLA/MCA/MFS	N/A	N/A	14/18/20	15/18/20

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	5.3/6.6/15	6.8/8.5/15	9/11/15	9/12/20
208-230/3/60	FLA/MCA/MFS	3.0/3.8/15	3.6/4.5/15	4.8/6.0/15	6.0/7.5/15
460/3/60	FLA/MCA/MFS	1.5/1.9/15	1.8/2.3/15	2.8/3.5/15	3.0/3.8/15
575/3/60	FLA/MCA/MFS	N/A	N/A	2.0/2.5/15	2.5/3.1/15

NEXT SIZE MOTOR

FLA - Full load amps

Horsepower	3/4	1	1 1/2	2
208-230/1/60	5.3	6.8	8.8	9.3
208-230/3/60	3.0	3.6	5.7	6.0
460/3/60	1.5	1.8	2.8	3.0
575/3/60	N/A	N/A	2.0	2.5

CONNECTION SIZES

CW supply - O.D. Copper	1 1/8	1 1/8	1 1/8	1 1/8
CW return - O.D. Copper	1 1/8	1 1/8	1 1/8	1 1/8
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4

FLA - Full load amps
MCA - Minimum circuit amps
MFS - Maximum overcurrent protection device amps

CHILLED WATER: Performance data at OPTIONAL airflow

MODEL NUMBER:		DTCD/U-02	DTCD/U-03	DTCD/U-04	DTCD/U-05
CAPACITY in Btu/hr		<i>Based on 45°F entering chilled water</i>			
80° DB/67° WB 50% RH	Total	42,500	57,800	80,700	95,200
	Sensible	29,300	41,200	56,500	67,900
	Flow rate - GPM	8.0	11.0	15.0	18.0
	Pressure drop - PSI	2.2	3.9	7.3	10.3
75° DB/62.5° WB 50% RH	Total	30,500	41,100	57,700	67,900
	Sensible	25,000	35,100	48,100	57,800
	Flow rate - GPM	6.0	8.0	11.0	13.0
	Pressure drop - PSI	1.3	2.3	4.2	5.6
75° DB/61° WB 45% RH	Total	28,700	39,100	54,500	64,500
	Sensible	26,000	36,600	50,100	60,300
	Flow rate - GPM	6.0	8.0	11.0	13.0
	Pressure drop - PSI	1.3	2.3	4.2	5.6
72° DB/60° WB 50% RH	Total	24,900	32,600	47,000	56,100
	Sensible	22,400	30,800	43,000	52,000
	Flow rate - GPM	5.0	6.0	9.0	11.0
	Pressure drop - PSI	0.9	2.3	2.8	3.9
72° DB/58.6° WB 45% RH	Total	23,900	31,900	45,400	54,400
	Sensible	23,400	31,900	44,700	53,900
	Flow rate - GPM	5.0	6.0	9.0	11.0
	Pressure drop - PSI	0.9	1.3	2.8	3.9

BLOWER SECTION

Airflow - CFM	1,000	1,500	2,000	2,500
Standard motor - horsepower	3/4	1	1 1/2	2
External static pressure (E.S.P.) - inches of W.G.	0.5	0.5	0.5	0.5
Number of motors/fans	1/1	1/1	1/1	1/1
Maximum E.S.P. (Standard Motor)	1.5	0.7	1.5	1.4
Maximum E.S.P. (Next Size Motor)	1.5	1.5	1.5	N/A
Next size motor - horsepower	1	1 1/2	2	N/A

CHILLED WATER COIL

Face area - sq ft	3	3	5	5
Rows of coils	4	4	4	4
Face velocity - fpm	333	500	400	500

CHILLED WATER CONTROL

Design pressure 250 psi

Control method	Modulating	Modulating	Modulating	Modulating
Valve body	3-way	3-way	3-way	3-way
Valve CV	14	14	14	14
Valve size - inches	1	1	1	1

REHEAT SECTION

Electric	Standard	Standard	Standard	Standard
kW	6	12	12	12
Capacity - Btu/hr	20,490	40,980	40,980	40,980

CHILLED WATER: Performance data at OPTIONAL airflow

MODEL NUMBER: *DTCD/U-02* *DTCD/U-03* *DTCD/U-04* *DTCD/U-05*

FILTERSECTION

Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percentage	30	30	30	30

(Note: Filter efficiency based on ASHRAE Std. 52.1-1992.)

HUMIDIFIERSECTION

Steam generator	Standard	Standard	Standard	Standard
kW	3.2	3.2	3.2	3.2
Capacity - lb/hr	10	10	10	10

ELECTRICALSECTION

Standard Motor

Electrical data based on STANDARD UNIT: electric reheat - **YES**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	33/42/45	64/80/90	66/83/90	67/84/90
208-230/3/60	FLA/MCA/MFS	20/25/30	37/46/50	39/49/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	18/22/25	18/23/25
575/3/60	FLA/MCA/MFS	N/A	N/A	14/18/20	15/18/20

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	22/27/30	23/29/30	25/31/35	26/32/35
208-230/3/60	FLA/MCA/MFS	19/24/25	20/25/30	21/26/30	22/28/30
460/3/60	FLA/MCA/MFS	9/11/15	9/11/15	10/12.7/15	10/13/15
575/3/60	FLA/MCA/MFS	N/A	N/A	7.9/9.9/15	8.4/10.5/15

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	34/43/45	64/81/90	66/83/90	67/84/90
208-230/3/60	FLA/MCA/MFS	20/25/30	37/46/50	38/48/50	39/49/50
460/3/60	FLA/MCA/MFS	9/11/15	17/21/25	18/22/25	18/22/26
575/3/60	FLA/MCA/MFS	N/A	N/A	14/18/15	15/18/20

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	5.3/6.6/15	6.8/8.5/15	8.8/11/15	9/12/20
208-230/3/60	FLA/MCA/MFS	3.0/3.8/15	3.6/4.5/15	4.8/6.0/15	6.0/7.5/15
460/3/60	FLA/MCA/MFS	1.5/1.9/15	1.8/2.3/15	2.8/3.5/15	3.0/3.8/15
575/3/60	FLA/MCA/MFS	N/A	N/A	2.0/2.5/15	2.5/3.1/15

STANDARD MOTOR

FLA - Full load amps

Horsepower	3/4	1	1 1/2	2
208-230/1/60	5.3	6.8	8.8	9.3
208-230/3/60	3.0	3.6	5.7	6.0
460/3/60	1.5	1.8	2.8	3.0
575/3/60	N/A	N/A	2.0	2.5

FLA - Full load amps
MCA - Minimum circuit amps (wire sizing amps)
MFS - Maximum overcurrent protection device amps

CHILLED WATER: Performance data at OPTIONAL airflow

MODEL NUMBER: *DTCD/U-02* *DTCD/U-03* *DTCD/U-04* *DTCD/U-05*

ELECTRICAL SECTION

Next Size Motor

Electrical data based on: electric reheat - **YES**, steam generator humidifier- **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	36/45/50	66/83/90	67/84/90	N/A
208-230/3/60	FLA/MCA/MFS	20/25/30	38/48/50	39/49/50	N/A
460/3/60	FLA/MCA/MFS	9/12/15	18/22/25	18/23/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	15/18/20	N/A

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **YES**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	23/29/30	25/31/35	26/32/35	N/A
208-230/3/60	FLA/MCA/MFS	20/25/30	21/26/30	22/28/30	N/A
460/3/60	FLA/MCA/MFS	9/11/15	10/13/15	10/13/15	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	8.4/10.5/15	N/A

Electrical data based on: electric reheat - **YES**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	36/45/50	66/83/90	67/84/90	N/A
208-230/3/60	FLA/MCA/MFS	20/25/30	38/48/50	39/49/50	N/A
460/3/60	FLA/MCA/MFS	9/12/15	18/22/25	18/23/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	15/18/20	N/A

Electrical data based on: electric reheat - **NO**, steam generator humidifier - **NO**, and NEXT SIZE MOTOR.

208-230/1/60	FLA/MCA/MFS	6.8/8.5/15	8.8/11/15	9/12/15	N/A
208-230/3/60	FLA/MCA/MFS	3.6/4.5/15	5.7/7.1/15	6.0/7.5/15	N/A
460/3/60	FLA/MCA/MFS	1.8/2.3/15	2.8/3.5/15	3.0/3.8/15	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	2.5/3.1/15	N/A

NEXT SIZE MOTOR

FLA - Full load amps

Horsepower		1	1 1/2	2	N/A
208-230/1/60		6.8	8.8	9.3	N/A
208-230/3/60		3.6	5.7	6.0	N/A
460/3/60		1.8	2.8	3.0	N/A
575/3/60		N/A	N/A	2.5	N/A

CONNECTION SIZES

CW supply - O.D. Copper	1 1/8	1 1/8	1 1/8	1 1/8
CW return - O.D. Copper	1 1/8	1 1/8	1 1/8	1 1/8
Condensate drain	3/4	3/4	3/4	3/4
Humidifier supply	1/4	1/4	1/4	1/4

FLA - Full load amps
MCA - Minimum circuit amps
MFS - Maximum overcurrent protection device amps