

DATA TEMP
PERFORMANCE DATA

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

MODEL NUMBER		DTAD/UR-02	DTAD/UR-03	DTAD/UR-04	DTAD/UR-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	27,300	38,000	50,000	71,700
	Sensible	20,200	28,700	38,300	52,800
75° DB/62.5° WB 50% RH	Total	25,100	34,900	46,200	60,200
	Sensible	19,900	28,100	37,700	47,600
75° DB/61° WB 45% RH	Total	22,400	34,000	45,000	59,700
	Sensible	20,300	30,000	40,200	53,200
72° DB/60° WB 50% RH	Total	23,800	33,000	44,200	58,500
	Sensible	19,400	27,400	37,000	48,900
72° DB/58.6° WB 45% RH	Total	23,200	32,200	43,100	57,200
	Sensible	20,600	29,100	39,300	51,900

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)	<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-410A	R-410A	R-410A	R-410A

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/UR-02	DTAD/UR-03	DTAD/UR-04	DTAD/UR-05
FILTERSECTION				
Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percent	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.)

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	47/58/60	53/65/70	91/113/125	97/119/125
208-230/3/60	FLA/MCA/MFS	29/36/40	33/41/50	55/67/70	59/72/80
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	25/30/35	27/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/27/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	34/42/50	40/49/60	50/61/80	55/67/90
208-230/3/60	FLA/MCA/MFS	29/36/40	33/40/45	38/46/50	42/51/60
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	17/21/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	13/16/20	16/19/25

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	47/58/60	53/65/70	91/113/125	97/119/125
208-230/3/60	FLA/MCA/MFS	29/36/40	33/41/50	55/67/70	59/72/80
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	25/30/35	27/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/27/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	18/22/35	24/29/45	34/40/60	39/46/70
208-230/3/60	FLA/MCA/MFS	13/15/25	17/20/30	21/26/40	25/30/50
460/3/60	FLA/MCA/MFS	6.3/7.6/15	7.9/9.5/15	10/11/15	12/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.5/9.0/15	10/12/15

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	1.5	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

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

MODEL NUMBER		DTAD/UR-02	DTAD/UR-03	DTAD/UR-04	DTAD/UR-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	28,800	39,000	52,700	69,300
	Sensible	23,000	32,300	45,600	57,800
75° DB/62.5° WB 50% RH	Total	26,200	35,900	53,100	62,200
	Sensible	22,500	31,600	46,500	53,300
75° DB/61° WB 45% RH	Total	25,500	40,900	47,600	61,900
	Sensible	24,000	36,300	47,400	60,600
72° DB/60° WB 50% RH	Total	24,600	34,400	46,300	60,600
	Sensible	21,800	30,900	43,600	55,800
72° DB/58.6° WB 45% RH	Total	24,000	33,500	45,200	59,300
	Sensible	23,200	33,000	44,900	59,100

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-410A	R-410A	R-410A	R-410A

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/UR-02	DTAD/UR-03	DTAD/UR-04	DTAD/UR-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
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>				

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	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier YES, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	36/44/50	42/50/60	52/63/80	56/67/90
208-230/3/60	FLA/MCA/MFS	30/36/40	33/41/50	39/47/60	43/52/60
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	18/22/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/25

<u>Electrical data based on: electric reheat - YES, steam generator humidifier - NO, and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

<u>Electrical data based on: electric reheat - NO, steam generator humidifier - NO and STANDARD MOTOR.</u>					
208-230/1/60	FLA/MCA/MFS	20/24/35	25/30/45	35/42/60	39/47/70
208-230/3/60	FLA/MCA/MFS	13/16/25	17/20/30	22/27/40	27/32/50
460/3/60	FLA/MCA/MFS	6.7/8.0/15	8.2/9.8/15	11/12/20	13/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.1/9.6/15	10/12/15

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	4.8	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 air cooled condenser

MODEL NUMBER **DTAD/UR-02** **DTAD/UR-03** **DTAD/UR-04** **DTAD/UR-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	50/61/70	56/68/70	94/115/125	N/A
208-230/3/60	FLA/MCA/MFS	31/37/40	35/43/50	57/70/80	N/A
460/3/60	FLA/MCA/MFS	15/18/20	17/20/25	26/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	21/25/30	N/A

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

208-230/1/60	FLA/MCA/MFS	38/46/50	44/52/60	53/63/80	N/A
208-230/3/60	FLA/MCA/MFS	30/37/40	35/42/50	40/48/60	N/A
460/3/60	FLA/MCA/MFS	14/18/20	17/20/25	18/22/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	15/18/20	N/A

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

208-230/1/60	FLA/MCA/MFS	50/61/70	56/68/70	94/115/125	N/A
208-230/3/60	FLA/MCA/MFS	31/37/40	35/43/50	57/70/80	N/A
460/3/60	FLA/MCA/MFS	15/18/20	17/20/25	26/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	21/25/30	N/A

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

208-230/1/60	FLA/MCA/MFS	22/25/35	27/32/50	36/43/60	N/A
208-230/3/60	FLA/MCA/MFS	14/17/25	18/22/35	24/28/45	N/A
460/3/60	FLA/MCA/MFS	7.0/8.3/15	9.2/10.8/15	11/13/20	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	8.6/10.1/15	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	4.8	6.0	N/A
460/3/60	1.8	2.8	3.0	N/A
575/3/60	N/A	2.0	2.5	N/A

COMPRESSOR

FLA - full load amps

Nominal tons	2	3	4	5
208-230/1/60	14.7	18.6	26.9	30.1
208-230/3/60	10.4	13.5	17.6	20.5
460/3/60	5.2	6.4	7.7	9.6
575/3/60	N/A	N/A	8.1	7.6

CONDENSER

FLA - full load amps

Condenser selection at 95° F ambient	<i>DARC-03</i>	<i>DARC-03</i>	<i>DARC-05</i>	<i>DARC-05</i>
Condenser selection at 100° F ambient	<i>DARC-03</i>	<i>DARC-03</i>	<i>DARC-05</i>	<i>DARC-06</i>
Condenser selection at 105° F ambient	<i>DARC-03</i>	<i>DARC-05</i>	<i>DARC-06</i>	<i>DARC-07</i>

(Note: Condensers are not available in 575 volts. Condensers are selected at sea level. Refer to page 67 for electrical data.)

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/UR-02	DTWD/UR-03	DTWD/UR-04	DTWD/UR-05
CAPACITY in Btu/hr					
80° DB/67° WB 50% RH	Total	28,800	39,700	54,100	70,700
	Sensible	20,800	29,300	41,200	52,400
75° DB/62.5° WB 50% RH	Total	26,200	36,700	50,000	64,700
	Sensible	20,400	28,900	40,500	51,300
75° DB/61° WB 45% RH	Total	25,600	35,800	48,200	63,100
	Sensible	21,600	30,700	43,100	54,600
72° DB/60° WB 50% RH	Total	24,900	25,000	47,600	61,900
	Sensible	19,900	28,300	39,700	50,400
72° DB/58.6° WB 45% RH	Total	24,300	34,300	46,200	60,500
	Sensible	21,100	30,100	42,000	53,500
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)	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-410A	R-410A	R-410A	R-410A
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/UR-02* *DTWD/UR-03* *DTWD/UR-04* *DTWD/UR-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	47/58/60	53/65/70	91/131/125	97/119/125
208-230/1/60	FLA/MCA/MFS	29/36/40	33/41/50	55/67/70	59/72/80
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	25/30/35	27/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/27/30

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

208-230/1/60	FLA/MCA/MFS	34/42/50	40/49/60	50/61/80	55/67/90
208-230/3/60	FLA/MCA/MFS	29/36/40	33/40/45	38/46/50	42/51/60
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	17/21/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	13/16/20	16/19/25

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

208-230/1/60	FLA/MCA/MFS	47/58/60	53/65/70	91/113/125	95/119/125
208-230/3/60	FLA/MCA/MFS	29/36/40	33/41/50	55/67/70	59/72/80
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	25/30/35	27/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/27/30

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

208-230/1/60	FLA/MCA/MFS	18/22/35	24/29/45	34/40/60	39/46/70
208-230/3/60	FLA/MCA/MFS	13/15/25	17/20/30	21/26/40	25/30/50
460/3/60	FLA/MCA/MFS	6.3/7.6/15	7.9/9.5/15	10/11/15	12/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.5/9.0/15	10/12/15

STANDARD MOTOR

FLA - Full load amps

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/UR-02 DTWD/UR-03 DTWD/UR-04 DTWD/UR-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	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	36/44/50	42/50/60	52/63/80	56/67/90
208-230/3/60	FLA/MCA/MFS	30/36/40	33/41/50	39/47/60	43/52/60
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	18/22/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/25

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

208-230/1/60	FLA/MCA/MFS	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	20/24/35	25/30/45	36/42/60	39/47/70
208-230/3/60	FLA/MCA/MFS	13/16/25	17/20/30	22/27/40	27/32/50
460/3/60	FLA/MCA/MFS	6.7/8.0/15	8.2/9.8/15	11/12/20	13/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.1/9.6/15	10/12/15

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	9.3
208-230/3/60	FLA	3.0	3.6	4.8	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	14.7	18.6	26.9	30.1
208-230/3/60	FLA	10.4	13.5	17.6	20.5
460/3/60	FLA	5.2	6.4	7.7	9.6
575/3/60	FLA	N/A	N/A	6.1	7.6

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/UR-02

DTWD/UR-03

DTWD/UR-04

DTWD/UR-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

MODEL NUMBER:		DTWD/UR-02	DTWD/UR-03	DTWD/UR-04	DTWD/UR-05
CAPACITY in Btu/hr					
80° DB/67° WB	Total	30,300	41,100	56,100	73,300
50% RH	Sensible	23,600	33,000	46,900	59,300
75° DB/62.5° WB	Total	27,500	38,000	51,200	67,600
50% RH	Sensible	23,100	32,500	45,700	58,200
75° DB/61° WB	Total	26,800	37,300	50,300	65,500
45% RH	Sensible	24,500	34,800	49,200	62,100
72° DB/60° WB	Total	26,100	36,200	49,300	64,200
50% RH	Sensible	22,400	31,700	44,900	56,800
72° DB/58.6° WB	Total	25,500	35,400	47,800	62,800
45% RH	Sensible	23,900	33,800	47,700	60,700
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-410A	R-410A	R-410A	R-410A
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/UR-02* *DTWD/UR-03* *DTWD/UR-04* *DTWD/UR-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: electric reheat - **YES**, steam generator humidifier - **YES**, and STANDARD MOTOR.

208-230/1/60	FLA/MCA/MFS	49/60/70	54/66/70	93/115/125	97/119/125
208-230/1/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	36/44/50	42/50/60	52/63/80	56/67/90
208-230/3/60	FLA/MCA/MFS	30/36/40	33/41/50	39/47/60	43/52/60
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	18/22/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/25

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

208-230/1/60	FLA/MCA/MFS	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	20/12/35	25/30/45	36/42/60	39/47/70
208-230/3/60	FLA/MCA/MFS	13/16/25	17/20/30	22/27/40	27/32/50
460/3/60	FLA/MCA/MFS	6.7/8.0/15	8.2/9.8/15	11/12/20	13/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.1/9.6/15	10/12/15

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	4.8	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/UR-02 DTWD/UR-03 DTWD/UR-04 DTWD/UR-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	50/61/70	56/68/70	94/115/125	N/A
208-230/3/60	FLA/MCA/MFS	31/37/40	35/43/50	57/70/80	N/A
460/3/60	FLA/MCA/MFS	15/18/20	17/20/25	26/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	21/25/30	N/A

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

208-230/1/60	FLA/MCA/MFS	38/46/50	44/52/60	53/63/80	N/A
208-230/3/60	FLA/MCA/MFS	30/37/40	35/42/50	40/48/60	N/A
460/3/60	FLA/MCA/MFS	14/18/20	17/20/25	18/22/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	15/18/20	N/A

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

208-230/1/60	FLA/MCA/MFS	50/61/70	56/68/70	94/115/125	N/A
208-230/3/60	FLA/MCA/MFS	31/37/40	35/43/50	57/70/80	N/A
460/3/60	FLA/MCA/MFS	15/18/20	17/20/25	26/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	21/25/30	N/A

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

208-230/1/60	FLA/MCA/MFS	22/25/35	27/32/50	36/43/60	N/A
208-230/3/60	FLA/MCA/MFS	14/17/25	18/22/35	24/28/45	N/A
460/3/60	FLA/MCA/MFS	7.0/8.3/15	9.2/10.8/15	11/13/20	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	8.6/10.1/15	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	4.8	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	14.7	18.6	26.9	30.1
208-230/3/60	FLA	10.4	13.5	17.6	20.5
460/3/60	FLA	5.2	6.4	7.7	9.6
575/3/60	FLA	N/A	N/A	6.1	7.6

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/UR-02 DTWD/UR-03 DTWD/UR-04 DTWD/UR-05

CONDENSER WATER

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

Temperature	Unit	DTWD/UR-02	DTWD/UR-03	DTWD/UR-04	DTWD/UR-05
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

	DTWD/UR-02	DTWD/UR-03	DTWD/UR-04	DTWD/UR-05
Horsepower	3/4	3/4	1	1

PUMPELECTRICALDATA

Model	Unit	DTWD/UR-02	DTWD/UR-03	DTWD/UR-04	DTWD/UR-05
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/UR-02</i>	<i>DTGD/UR-03</i>	<i>DTGD/UR-04</i>	<i>DTGD/U-R05</i>
CAPACITY in Btu/hr					
80° DB/67° WB	Total	26,800	37,900	49,800	66,800
50% RH	Sensible	20,100	31,900	39,500	50,900
75° DB/62.5° WB	Total	24,500	35,100	45,600	59,900
50% RH	Sensible	19,600	31,300	38,700	49,300
75° DB/61° WB	Total	23,500	34,100	44,400	53,800
45% RH	Sensible	20,700	33,500	41,300	53,200
72° DB/60° WB	Total	22,900	33,400	43,500	56,800
50% RH	Sensible	19,000	30,500	37,800	48,100
72° DB/58.6° WB	Total	22,500	32,500	42,000	55,500
45% RH	Sensible	20,200	32,400	40,100	51,200
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-410A	R-410A	R-410A	R-410A
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/UR-02* *DTGD/UR-03* *DTGD/UR-04* *DTGD/UR-05*

FILTER SECTION

Quantity	1	1	1	1
Size - inches	24x24x2	24x24x2	24x24x2	24x24x2
Efficiency - percent	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 dry cooler.)

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	47/58/60	53/65/70	91/113/125	97/119/125
208-230/1/60	FLA/MCA/MFS	29/36/40	33/41/50	55/67/70	59/72/80
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	25/30/35	27/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/27/30

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

208-230/1/60	FLA/MCA/MFS	34/42/50	40/49/60	50/61/80	55/67/90
208-230/3/60	FLA/MCA/MFS	29/36/40	33/40/45	38/46/50	42/51/60
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	17/21/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	13/16/20	16/19/25

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

208-230/1/60	FLA/MCA/MFS	47/58/60	53/65/70	91/113/125	97/119/125
208-230/3/60	FLA/MCA/MFS	29/36/40	33/41/50	55/67/70	59/72/80
460/3/60	FLA/MCA/MFS	14/17/20	15/19/20	25/30/35	27/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/24/25	22/27/30

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

208-230/1/60	FLA/MCA/MFS	18/22/35	24/29/45	34/40/60	39/46/70
208-230/3/60	FLA/MCA/MFS	13/15/25	17/20/30	21/26/40	25/30/50
460/3/60	FLA/MCA/MFS	6.3/7.6/15	7.96/9.5/15	10/11/15	12/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	7.5/9.0/15	10/12/15

STANDARD MOTOR

FLA - Full load amps

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/UR-02* *DTGD/UR-03* *DTGD/UR-04* *DTGD/UR-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	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	36/44/50	42/50/60	52/63/80	56/67/90
208-230/3/60	FLA/MCA/MFS	30/36/40	33/41/50	39/47/60	43/52/60
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	18/22/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/25

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

208-230/1/60	FLA/MCA/MFS	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	20/24/35	25/30/45	36/42/60	39/47/70
208-230/3/60	FLA/MCA/MFS	13/16/25	17/20/30	22/27/40	27/32/50
460/3/60	FLA/MCA/MFS	6.7/8.0/15	8.2/9.8/15	11/12/20	13/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.1/9.6/15	10/12/15

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	9.3
208-230/3/60	FLA	3.0	3.6	4.8	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	14.7	18.6	26.9	30.1
208-230/3/60	FLA	10.4	13.5	17.6	20.5
460/3/60	FLA	5.2	6.4	7.7	9.6
575/3/60	FLA	N/A	N/A	6.1	7.6

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/UR-02	DTGD/UR-03	DTGD/UR-04	DTGD/UR-05
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

<i>MODEL NUMBER:</i>	<i>DTGD/UR-02</i>	<i>DTGD/UR-03</i>	<i>DTGD/UR-04</i>	<i>DTGD/UR-05</i>
CAPACITY in Btu/hr				
80° DB/67° WB Total	27,700	37,900	50,800	67,500
50% RH Sensible	22,600	31,900	44,900	57,200
75° DB/62.5° WB Total	25,200	35,100	47,100	61,700
50% RH Sensible	22,100	31,300	44,100	55,900
75° DB/61° WB Total	24,600	34,100	45,900	60,300
45% RH Sensible	23,600	33,500	45,600	59,900
72° DB/60° WB Total	23,900	33,400	45,000	58,600
50% RH Sensible	21,500	30,500	43,000	54,400
72° DB/58.6° WB Total	23,300	32,500	43,900	57,300
45% RH Sensible	22,900	32,400	43,600	57,000
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-410A	R-410A	R-410A	R-410A
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

GLYCOL COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER: DTGD/UR-02 DTGD/UR-03 DTGD/UR-04 DTGD/UR-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 dry cooler.)

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	49/60/70	54/66/70	93/115/125	97/119/125
208-230/1/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	25/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	36/44/50	42/50/60	52/53/80	56/67/90
208-230/3/60	FLA/MCA/MFS	30/36/40	33/41/50	39/47/60	43/52/60
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	18/22/25	20/24/30
575/3/60	FLA/MCA/MFS	N/A	N/A	14/17/20	16/19/25

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

208-230/1/60	FLA/MCA/MFS	49/60/70	54/66/70	93/115/125	97/119/125
208-230/3/60	FLA/MCA/MFS	30/37/40	34/41/50	56/68/70	60/73/80
460/3/60	FLA/MCA/MFS	14/17/20	16/19/20	26/31/35	28/34/35
575/3/60	FLA/MCA/MFS	N/A	N/A	20/25/30	22/27/30

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

208-230/1/60	FLA/MCA/MFS	20/24/35	25/30/45	36/42/60	39/47/70
208-230/3/60	FLA/MCA/MFS	13/16/25	17/20/30	22/27/40	27/32/50
460/3/60	FLA/MCA/MFS	6.7/8.0/15	8.2/9.8/15	11/12/20	13/15/20
575/3/60	FLA/MCA/MFS	N/A	N/A	8.1/9.6/15	10/12/15

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	4.8	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/UR-02* *DTGD/UR-03* *DTGD/UR-04* *DTGD/UR-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	50/61/70	56/68/70	94/115/125	N/A
208-230/3/60	FLA/MCA/MFS	31/37/40	35/43/50	57/70/80	N/A
460/3/60	FLA/MCA/MFS	15/18/20	17/20/25	26/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	21/25/30	N/A

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

208-230/1/60	FLA/MCA/MFS	38/46/50	44/52/60	53/63/80	N/A
208-230/3/60	FLA/MCA/MFS	30/37/40	35/42/50	40/48/60	N/A
460/3/60	FLA/MCA/MFS	14/18/20	17/20/25	18/22/25	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	15/18/20	N/A

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

208-230/1/60	FLA/MCA/MFS	50/61/70	56/68/70	94/115/125	N/A
208-230/3/60	FLA/MCA/MFS	31/37/40	35/43/50	57/70/80	N/A
460/3/60	FLA/MCA/MFS	15/18/20	17/20/25	26/31/35	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	21/25/30	N/A

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

208-230/1/60	FLA/MCA/MFS	22/25/35	27/32/50	36/43/60	N/A
208-230/3/60	FLA/MCA/MFS	14/17/25	18/22/35	24/28/45	N/A
460/3/60	FLA/MCA/MFS	7.0/8.3/15	9.2/10.8/15	11/13/20	N/A
575/3/60	FLA/MCA/MFS	N/A	N/A	8.6/10.1/15	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	4.8	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	14.7	18.6	26.9	30.1
208-230/3/60	FLA	10.4	13.5	17.6	20.5
460/3/60	FLA	5.2	6.4	7.7	9.6
575/3/60	FLA	N/A	N/A	6.1	7.6

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

GLYCOL COOLED: Performance data at OPTIONAL airflow

MODEL NUMBER:		DTGD/UR-02	DTGD/UR-03	DTGD/UR-04	DTGD/UR-05
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.