

### Rating Conditions

65 °F Return Gas  
 0 F Subcooling  
 95 °F Ambient Air Over  
 60 Hz Operation

### MEDIUM TEMPERATURE

Blue Area Restrictions: 50°F Max.  
 Return Gas Temp.

### 3DSDS12ME-TFD

HCFC-22  
 DISCUS® COMPRESSOR  
 TFD 460-3-60

Condensing Temperature °F (Sat. Dew Pt. Pressure, psig) Evaporating Temperature °F (Sat. Dew Pt. Pressure, psig)

	-10.0 (17)	-5.0 (20)	0.0 (24)	5.0 (28)	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)
<b>130.0</b>									
C				78,000	87,500	97,500	109,000	121,000	134,000
P				12,600	13,300	14,000	14,600	15,200	15,800
A				20.0	20.9	21.7	22.4	23.2	23.9
M				1,191	1,340	1,502	1,680	1,873	2,086
E				6.2	6.6	7.0	7.4	7.9	8.5
%				70.6	70.7	70.5	70.4	70.1	69.8
<b>120.0</b>			73,000	82,500	93,000	104,000	116,000	129,000	143,000
C			11,300	12,000	12,600	13,200	13,700	14,200	14,700
P			18.5	19.3	20.0	20.7	21.4	22.0	22.6
A			1,058	1,200	1,353	1,521	1,704	1,903	2,122
M			6.5	6.9	7.4	7.9	8.5	9.1	9.7
E			69.7	70.0	70.1	70.0	69.9	69.6	69.3
%									
<b>110.0</b>	59,000	68,000	77,500	88,000	99,000	111,000	124,000	138,000	153,000
C	9,500	10,100	10,700	11,300	11,800	12,300	12,800	13,200	13,600
P	16.5	17.2	17.9	18.5	19.2	19.7	20.3	20.8	21.3
A	813	938	1,072	1,217	1,375	1,547	1,735	1,940	2,164
M	6.2	6.7	7.2	7.8	8.4	9.0	9.7	10.4	11.2
E	67.9	68.7	69.2	69.5	69.6	69.5	69.3	69.0	68.7
%									
<b>100.0</b>	63,000	72,500	82,500	93,500	105,000	118,000	132,000	147,000	163,000
C	9,050	9,600	10,100	10,600	11,100	11,500	11,900	12,200	12,500
P	16.0	16.6	17.2	17.8	18.3	18.8	19.2	19.6	19.9
A	831	957	1,094	1,242	1,404	1,579	1,771	1,981	2,210
M	7.0	7.6	8.2	8.8	9.5	10.3	11.1	12.0	13.1
E	67.6	68.3	68.8	68.9	69.0	68.8	68.6	68.2	67.7
%									
<b>90.0</b>	67,500	77,500	88,000	100,000	112,000	126,000	141,000	157,000	174,000
C	8,600	9,050	9,550	9,950	10,300	10,700	10,900	11,100	11,300
P	15.5	16.0	16.5	17.0	17.4	17.8	18.1	18.4	18.5
A	855	983	1,122	1,272	1,437	1,616	1,812	2,026	2,259
M	7.9	8.5	9.3	10.0	10.9	11.8	12.9	14.1	15.4
E	67.3	67.9	68.1	68.2	68.1	67.9	67.5	67.0	66.3
%									
<b>80.0</b>	72,500	83,000	94,000	106,000	120,000	134,000	150,000	167,000	185,000
C	8,150	8,550	8,900	9,250	9,550	9,750	9,900	10,000	10,000
P	15.0	15.5	15.9	16.2	16.5	16.8	17.0	17.1	17.1
A	884	1,013	1,153	1,306	1,473	1,655	1,854	2,072	2,309
M	8.9	9.7	10.6	11.5	12.6	13.7	15.1	16.6	18.4
E	66.8	67.1	67.3	67.2	67.0	66.6	66.1	65.3	64.3
%									
<b>70.0</b>	78,000	89,000	101,000	113,000	127,000	142,000	159,000	177,000	196,000
C	7,700	8,000	8,300	8,500	8,700	8,800	8,850	8,800	8,700
P	14.5	14.9	15.2	15.4	15.6	15.7	15.8	15.7	15.6
A	917	1,046	1,188	1,342	1,512	1,696	1,898	2,119	2,360
M	10.1	11.1	12.1	13.3	14.6	16.2	18.0	20.1	22.5
E	65.9	66.0	66.0	65.7	65.3	64.7	63.9	62.8	61.4
%									
<b>60.0</b>	83,500	95,000	107,000	121,000	135,000	151,000	168,000	187,000	207,000
C	7,200	7,450	7,600	7,750	7,800	7,800	7,700	7,500	7,250
P	14.0	14.2	14.4	14.6	14.6	14.6	14.5	14.3	14.1
A	952	1,082	1,224	1,380	1,551	1,738	1,943	2,166	2,410
M	11.6	12.7	14.1	15.6	17.3	19.4	21.9	24.9	28.5
E	64.5	64.4	64.1	63.7	63.0	62.1	60.9	59.2	57.0
%									
<b>50.0</b>	90,000	101,000	114,000	128,000	143,000	160,000	178,000	197,000	219,000
C	6,700	6,850	6,900	6,900	6,850	6,700	6,450	6,150	5,700
P	13.5	13.6	13.6	13.6	13.6	13.4	13.2	12.9	12.4
A	989	1,119	1,262	1,419	1,591	1,780	1,987	2,212	2,459
M	13.4	14.8	16.5	18.6	21.0	23.9	27.6	32.2	38.3
E	62.4	62.0	61.5	60.7	59.7	58.3	56.4	53.7	49.9
%									

C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 460 V