

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.****3DB3R12M0-TFC**

HCFC-22

DISCUS® COMPRESSOR

TFC 208/230-3-60

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

		-10.0 (17)	0.0 (24)	5.0 (28)	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	40.0 (69)	45.0 (76)
140.0 (337)	C P A M E %				58,500 10,100 31.3 945 5.8 70.4	66,000 10,700 32.8 1,071 6.2 70.9	74,000 11,200 34.2 1,209 6.6 71.2	83,000 11,700 35.6 1,359 7.1 71.4	92,500 12,200 37.0 1,524 7.6 71.5	103,000 12,700 38.2 1,704 8.1 71.6	114,000 13,100 39.4 1,901 8.7 71.6	126,000 13,500 40.5 2,117 9.3 71.5
130.0 (297)	C P A M E %			56,500 9,150 29.1 863 6.2 70.7	64,000 9,650 30.4 980 6.6 71.2	72,000 10,200 31.7 1,107 7.1 71.5	80,500 10,600 32.9 1,246 7.6 71.8	90,000 11,100 34.0 1,398 8.1 71.9	100,000 11,500 35.1 1,564 8.7 71.9	111,000 11,900 36.1 1,746 9.4 71.8	123,000 12,200 37.0 1,945 10.1 71.7	136,000 12,500 37.8 2,162 10.9 71.5
120.0 (260)	C P A M E %		54,000 8,300 27.1 785 6.5 70.4	61,500 8,750 28.3 893 7.0 71.0	69,500 9,200 29.4 1,011 7.5 71.5	78,000 9,600 30.4 1,139 8.1 71.7	87,000 10,000 31.4 1,280 8.7 71.9	97,000 10,400 32.3 1,433 9.4 71.9	108,000 10,700 33.1 1,601 10.1 71.9	120,000 11,000 33.9 1,784 10.9 71.7	133,000 11,200 34.5 1,985 11.8 71.5	146,000 11,400 35.1 2,203 12.8 71.1
110.0 (226)	C P A M E %	45,000 7,150 24.3 619 6.3 68.5	58,500 7,950 26.3 811 7.4 70.4	66,500 8,350 27.3 920 7.9 71.0	74,500 8,700 28.2 1,038 8.6 71.3	83,500 9,050 29.0 1,168 9.2 71.6	93,500 9,350 29.7 1,310 10.0 71.6	104,000 9,650 30.4 1,465 10.8 71.6	116,000 9,900 31.0 1,634 11.7 71.5	128,000 10,100 31.5 1,819 12.7 71.2	142,000 10,200 31.9 2,021 13.8 70.8	156,000 10,300 32.2 2,241 15.1 70.3
100.0 (196)	C P A M E %	48,700 6,900 23.7 642 7.1 68.4	63,000 7,550 25.4 834 8.3 70.1	71,000 7,900 26.1 944 9.0 70.6	80,000 8,150 26.8 1,063 9.8 70.9	89,500 8,450 27.5 1,194 10.6 71.0	99,500 8,650 28.0 1,338 11.5 71.0	111,000 8,850 28.4 1,494 12.5 70.9	123,000 9,000 28.8 1,665 13.7 70.7	136,000 9,100 29.0 1,851 15.0 70.3	150,000 9,150 29.2 2,055 16.4 69.7	166,000 9,150 29.2 2,276 18.1 69.0
90.0 (168)	C P A M E %	52,500 6,600 23.0 663 7.9 68.0	67,500 7,150 24.3 856 9.4 69.5	75,500 7,350 24.9 966 10.3 69.9	85,000 7,600 25.4 1,086 11.2 70.1	95,000 7,750 25.8 1,218 12.2 70.2	106,000 7,900 26.1 1,363 13.4 70.1	118,000 8,050 26.4 1,521 14.7 69.9	130,000 8,100 26.5 1,693 16.1 69.5	144,000 8,100 26.5 1,881 17.8 68.9	159,000 8,050 26.4 2,086 19.8 68.1	175,000 7,900 26.1 2,309 22.2 67.0
70.0 (121)	C P A M E %	59,500 5,850 21.3 702 10.2 66.5	75,500 6,100 22.0 894 12.4 67.5	85,000 6,200 22.2 1,006 13.7 67.7	95,000 6,250 22.3 1,128 15.2 67.7	106,000 6,250 22.4 1,261 16.9 67.6	118,000 6,250 22.3 1,408 18.9 67.2	131,000 6,150 22.1 1,568 21.2 66.5	145,000 6,050 21.8 1,743 24.0 65.5	160,000 5,850 21.3 1,934 27.4 64.0	176,000 5,550 20.7 2,141 31.7 62.0	194,000 5,250 20.0 2,367 37.1 59.2
60.0 (102)	C P A M E %	63,500 5,350 20.4 720 11.8 65.5	80,000 5,500 20.8 912 14.5 66.2	89,500 5,500 20.8 1,024 16.2 66.3	100,000 5,500 20.8 1,147 18.2 66.1	111,000 5,400 20.6 1,281 20.5 65.7	124,000 5,300 20.3 1,429 23.3 64.9	137,000 5,150 19.9 1,590 26.8 63.8	152,000 4,890 19.4 1,766 31.1 62.0	168,000 4,590 18.7 1,958 36.5 59.5		
50.0 (84)	C P A M E %	67,000 4,850 19.4 737 13.8 64.4	84,000 4,830 19.5 930 17.4 64.8	94,000 4,770 19.4 1,042 19.7 64.6	105,000 4,660 19.2 1,165 22.5 64.1	117,000 4,500 18.8 1,300 26.0 63.2	130,000 4,290 18.4 1,449 30.3 61.8	144,000 4,010 17.8 1,611 35.8 59.6	159,000 3,680 17.0 1,788 43.3 56.4			

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 @ 230 V