

### RATING CONDITIONS

18.3 C Return Gas  
0 K Subcooling  
35 C Ambient Air Over

50 Hz Operation

## LOW

## TEMPERATURE

HFCs Require Use of Polyol Ester Lubricant Approved on Form 93-11

### 3DB3F33KE-TFD

COPELAMETIC® HFC-404A  
DISCUS® COMPRESSOR  
TFD 380/420-3-50

### Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-40(1.3)	-35(1.7)	-30(2)	-25(2.5)	-20(3)	-18(3.3)
54 (25)	C	3400	4750	6400	8250	10350	11250
	P	3820	4680	5550	6450	7250	7550
	A	8.4	9.5	10.7	12	13.3	13.8
	M	114.5	160	216	282	357	389
	E	0.9	1	1.1	1.3	1.4	1.5
	%	65.6	67.8	69.3	70.3	70.9	71
50 (23)	C	3850	5300	7100	9150	11500	12500
	P	3880	4710	5550	6400	7200	7500
	A	8.5	9.5	10.7	11.9	13.2	13.6
	M	121.5	167.5	224	292	370	403
	E	1	1.1	1.3	1.4	1.6	1.7
	%	66.1	67.9	69.4	70.3	70.8	70.9
40 (18)	C	5050	6700	8800	11350	14350	15600
	P	3940	4640	5400	6150	6850	7100
	A	8.6	9.5	10.5	11.5	12.6	13
	M	137	183.5	243	315	399	435
	E	1.3	1.4	1.6	1.9	2.1	2.2
	%	67.2	68.5	69.8	70.7	70.9	70.9
30 (14)	C	6200	8050	10500	13500	17000	18600
	P	3870	4420	5050	5650	6250	6450
	A	8.5	9.2	10	10.9	11.7	12
	M	149.5	196	257	332	422	460
	E	1.6	1.8	2.1	2.4	2.7	2.9
	%	67.3	68.6	70	70.8	70.9	70.8
20 (11)	C	7250	9250	11950	15400	19500	21400
	P	3750	4100	4530	4970	5400	5550
	A	8.3	8.7	9.3	9.9	10.4	10.6
	M	158.5	204	266	344	438	480
	E	1.9	2.3	2.6	3.1	3.6	3.9
	%	65	67	69	70.1	70.1	69.8
10 (8)	C	8000	10150	13150	17000	21700	23800
	P	3610	3740	3950	4180	4410	4490
	A	8	8.2	8.4	8.7	8.9	9
	M	162	205.5	268	348	445	490
	E	2.2	2.7	3.3	4.1	4.9	5.3
	%	59.1	62.5	65.7	67.6	67.6	66.9
5 (7)	C	8250	10450	13600	17700	22600	24900
	P	3560	3560	3640	3760	3880	3910
	A	7.8	7.8	7.9	8	8.1	8.1
	M	161.5	204	265	346	446	490
	E	2.3	2.9	3.7	4.7	5.8	6.3
	%	54.5	58.7	62.8	65.2	65.1	64.3

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

C:Capacity(Watts), P:Power(W), A:Current(Amps), M:Mass Flow(kg/hr), E:COP(W/W), %:Isentropic Efficiency(%)