

### RATING CONDITIONS

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

50 Hz Operation

## MEDIUM TEMPERATURE

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

### 3DA3R10ME-TFD

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

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

		-20(3)	-15(3.6)	-10(4.3)	-5(5.1)	0(6)	5(7.1)	7(7.5)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	60 (29) C	7220	9740	12100	14550	17300	20500	22000
	P	6080	6970	7780	8520	9180	9780	10000
	A	12.05	13.2	14.35	15.5	16.55	17.5	17.8
	M	286	383	482	590	717	870	941
	E	1.2	1.4	1.6	1.7	1.9	2.1	2.2
	%	72	75.6	75.8	75	74	73.2	72.9
	50 (23) C	9820	12450	15150	18200	21800	26100	28100
	P	5930	6640	7280	7820	8290	8670	8800
	A	11.8	12.75	13.7	14.55	15.25	15.85	16
	M	314	403	498	607	739	902	978
E	1.7	1.9	2.1	2.3	2.6	3	3.2	
%	73.1	74.3	73.9	73.2	72.7	72.4	72.3	
40 (18) C	11900	14750	17950	21700	26300	31900	34400	
P	5590	6130	6570	6920	7180	7350	7380	
A	11.35	12.1	12.8	13.35	13.75	13.95	13.95	
M	331	415	510	623	764	941	1025	
E	2.1	2.4	2.7	3.1	3.7	4.3	4.7	
%	72.3	72.5	72.1	71.8	71.9	71.9	71.7	
30 (14) C	14050	17200	21000	25600	31300	38200	41400	
P	5120	5470	5720	5870	5910	5850	5800	
A	10.75	11.35	11.75	12.05	12.1	11.9	11.75	
M	350	432	529	650	803	997	1090	
E	2.7	3.1	3.7	4.4	5.3	6.5	7.2	
%	71.5	71.3	71	71.1	71.3	70.8	70.2	
20 (11) C	16850	20500	25000	30600	37500	45900		
P	4570	4730	4780	4710	4530	4230		
A	10.15	10.5	10.7	10.65	10.4	9.8		
M	380	464	567	699	868	1080		
E	3.7	4.3	5.2	6.5	8.3	10.8		
%	71.8	71	70.6	70.3	69.3	66		
10 (8) C	21000	25200	30600	37300				
P	3990	3950	3780	3500				
A	9.65	9.75	9.65	9.35				
M	432	521	635	781				
E	5.3	6.4	8.1	10.7				
%	72.5	70.6	68.7	65.6				

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(%)