

0610892

AIR TEST & BALANCE REPORT

*Microfilm
0610892*

PROJECT:
DaVita
2420 Del Paso Road
Sacramento, CA.

The following is a report containing air testing and balancing results from the DaVita project. All HVAC systems were tested and balanced per engineered plans and equipment capacities, and according to standards established by the National Balancing Institute.

Buzz Oates Air Conditioning certifies the report to be true and correct as shown.

Please contact us with any questions or for additional information regarding the interpretation of the report or with any other comfort needs.




Phil Cooper
Certification #204711

DATE
November 1 2006

PROJECT
DaVita

TO

JOB NUMBER
1999


BOAC
BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr
Sacramento, CA 95828
(916) 381-4611

CCL #611351

HVAC SYSTEM REPORT

DATE

1-Nov-2006

FAN NAMEPLATE DATA

MANUFACTURER

MODEL

TYPE

SIZE

SERIAL NUMBER

FAN PULLEY DATA

DIAMETER

SHAFT

ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**

VOLTS/PHASE **460-3 Ø**

HORSEPOWER **3/4**

FULL LOAD AMPS **1.7**

RPM **1075**

SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER

SHAFT

ADJ/FIXED

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**

MODEL **GCH030BFC30CLSS**

TONNAGE **2.5**

SERIAL NUMBER **G14375631**

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1080	1095
RETURN AIR CFM	890	895
OUTSIDE AIR CFM	190	200
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		
MOTOR		
AMPS	1.7	1.6
VOLTS	460	484
HORSEPOWER	3/4	3/4
RPM	1075	

FIELD FORMS AVAILABLE

_____ DUCT TRAVERSE

_____ SYSTEM DIAGRAM

_____ PULEY CALCULATIONS

TEMPERATURE IN _____

TEMPERATURE OUT _____

DROP/RISE _____

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Conf	51	CD-1	12x12	360	580	370	103%
Conf	52	CD-1	12x12	360	370	355	99%
Conf	53	CD-1	12x12	360	280	370	103%
				1080		1095	101%
Conf	R1	RG-1	20x20	890	1000	895	101%

REMARKS

NO WATER

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PROJECT

Davita

SYSTEM

HP1

READINGS

JOB NUMBER

1999

BOAC
 BUZZ OATES AIR CONDITIONING
 6250 Sky Creek Dr.
 Sacramento, CA

CA LIC.#611351

HVAC SYSTEM REPORT

DATE
1-Nov-2006

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE
SERIAL NUMBER

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1300	1300
RETURN AIR CFM	1230	1190
OUTSIDE AIR CFM	70	110
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		

PROJECT
Davita

FAN PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

SYSTEM
HP2

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**
VOLTS/PHASE **460-3 Ø**
HORSEPOWER **3/4**
FULL LOAD AMPS **1.7**
RPM **1075**

MOTOR		
AMPS	1.7	1.4
VOLTS	460	483
HORSEPOWER	3/4	3/4
RPM	1075	

READINGS

SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

FIELD FORMS AVAILABLE
 DUCT TRAVERSE
 SYSTEM DIAGRAM
 PULEY CALCULATIONS

JOB NUMBER
1999

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**
MODEL **GBH042APC30CLSS**
TONNAGE **3.5**
SERIAL NUMBER **G1382913**

TEMPERATURE IN _____
TEMPERATURE OUT _____
DROP/RISE _____

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Office #1	S1	CD-1	16x16	790	1100	770	97%
Office #2	S2	CD-1	14x14	510	540	530	104%
				1300		1300	100%
Office #1	R1	RG-1	16x16	755	460	740	98%
Office #2	R2	RG-1	14x14	475	600	450	95%
				1230		1190	97%



BOAC
BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr.
Sacramento, CA

REMARKS

NO WATER

CA LIC.#611351

HVAC SYSTEM REPORT

DATE
1-Nov-2006

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE
SERIAL NUMBER

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1300	1330
RETURN AIR CFM	1240	1210
OUTSIDE AIR CFM	60	120
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		

PROJECT
Davita

FAN PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

SYSTEM
HP3

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**
VOLTS/PHASE **460-3 Ø**
HORSEPOWER **3/4**
FULL LOAD AMPS **1.7**
RPM **1075**

MOTOR	DESIGN	ACTUAL
AMPS	1.7	.98
VOLTS	460	485
HORSEPOWER	3/4	3/4
RPM	1075	

READINGS

SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED
BELT NO. & SIZE

FIELD FORMS AVAILABLE
 DUCT TRAVERSE
 SYSTEM DIAGRAM
 PULEY CALCULATIONS

JOB NUMBER
1999

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**
MODEL **GCJ042BFC30CLSS**
TONNAGE **3.5**
SERIAL NUMBER **J11555841**

TEMPERATURE IN _____
TEMPERATURE OUT _____
DROP/RISE _____

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Office #3	S1	CD-1	14x14	600	880	610	102%
Office #4	S2	CD-1	16X16	700	620	720	103%
				1300		1330	102%
Office #3	R1	RG-1	14X14	570	740	550	96%
Office #4	R2	RG-1	16X16	670	600	660	99%
				1240		1210	98%

REMARKS



BOAC
BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr.
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HVAC SYSTEM REPORT

DATE
1-Nov-2006

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE
SERIAL NUMBER

FAN PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**
VOLTS/PHASE **460-3 Ø**
HORSEPOWER **3/4**
FULL LOAD AMPS **1.7**
RPM **1075**

SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**
MODEL **GCH030BFC30CLSS**
TONNAGE **2.5**
SERIAL NUMBER **G14378070**

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1125	1135
RETURN AIR CFM	725	680
OUTSIDE AIR CFM	400	460
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		
MOTOR		
AMPS	1.7	1.0
VOLTS	460	483
HORSEPOWER	3/4	3/4
RPM	1075	

PROJECT
Davita

SYSTEM
HP4

READINGS

JOB NUMBER
1999

FIELD FORMS AVAILABLE

- DUCT TRAVERSE
- SYSTEM DIAGRAM
- PULLEY CALCULATIONS

TEMPERATURE IN _____
TEMPERATURE OUT _____
DROP/RISE _____

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Office #5	S1	CD-1	6X6	90	80	85	94%
Office #6	S2	CD-1	6X6	90	90	90	100%
Office #7	S3	CD-1	8X8	120	170	125	104%
Break Rm	S4	CD-1	12X12	265	320	270	102%
Hallway	S5	CD-1	6X6	100	105	105	105%
Bathroom	S6	CD-26	6X6	75	50	70	93%
Office #9	S7	CD-1	6X6	90	90	90	100%
Office #10	S8	CD-1	6X6	90	90	90	100%
Office #11	S9	CD-1	6X6	90	100	90	100%
Office #12	S10	CD-1	6X6	90	100	100	111%
Office #13	S11	CD-1	6X6	25	20	20	80%
				1125		1135	101%

REMARKS



BOAC
BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr.
Sacramento, CA

CA LIC.#611351

HVAC SYSTEM REPORT

DATE
1-Nov-2006

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE
SERIAL NUMBER

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1125	1140
RETURN AIR CFM	725	680
OUTSIDE AIR CFM	400	460
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		

FAN PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**
VOLTS/PHASE **460-3 Ø**
HORSEPOWER **3/4**
FULL LOAD AMPS **1.7**
RPM **1075**

MOTOR		
AMPS	1.7	1.0
VOLTS	460	483
HORSEPOWER	3/4	3/4
RPM	1075	

SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

FIELD FORMS AVAILABLE

- DUCT TRAVERSE
- SYSTEM DIAGRAM
- PULLEY CALCULATIONS

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**
MODEL **GCH030BFC30CLSS**
TONNAGE **2.5**
SERIAL NUMBER **G14378070**

TEMPERATURE IN _____
TEMPERATURE OUT _____
DROP/RISE _____

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Office #5	R1	RG-1	6X6	65	40	60	92%
Office #6	R2	RG-1	6X6	65	50	60	92%
Office #7	R3	RG-1	8X8	95	150	90	95%
Break Rm	R4	RG-1	14X14	240	400	230	96%
Office #9	R5	RG-1	6X6	65	50	60	92%
Office #10	R6	RG-1	6X6	65	50	60	92%
Office #11	R7	RG-1	6X6	65	50	60	92%
Office #12	R8	RG-1	6X6	65	50	60	92%
				725		680	

REMARKS

PROJECT
Davita

SYSTEM
HP 4 RETURN AIR

READINGS

JOB NUMBER
1999



BOAC
BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr.
Sacramento, CA

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HVAC SYSTEM REPORT

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE

FAN PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**
VOLTS/PHASE **460-3 Ø**
HORSEPOWER **1/2**
FULL LOAD AMPS **1.24**
RPM **1075**

SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**
MODEL **GCH036BFC30CLSS**
TONNAGE **3**
SERIAL NUMBER **J11453038**

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1260	1275
RETURN AIR CFM	985	980
OUTSIDE AIR CFM	275	295
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		

MOTOR		
AMPS	1.24	1.0
VOLTS	460	483
HORSEPOWER	1/2	1/2
RPM	1075	

FIELD FORMS AVAILABLE

DUCT TRAVERSE
SYSTEM DIAGRAM
PULLEY CALCULATIONS

TEMPERATURE IN
TEMPERATURE OUT
DROP/RISE

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Office #14	S1	CD-1	6X6	90	110	85	94%
Office #15	S2	CD-1	6X6	90	110	80	89%
Office #16	S3	CD-1	6X6	90	150	100	111%
Office #17	S4	CD-1	6X6	90	220	95	106%
Office #18	S5	CD-1	12X12	350	190	340	97%
Office #19	S6	CD-1	12X12	300	380	310	103%
Office #20	S7	CD-2	8x8	150	120	160	107%
Hallway	S8	CD-1	6X6	100	140	105	105%
				1260		1275	
Office #14	R1	RG-1	6X6	65	60	60	92%
Office #15	R2	RG-1	6X6	65	70	60	92%
Office #16	R3	RG-1	6X6	65	85	60	92%
Office #17	R4	RG-1	6X6	65	100	60	92%
Office #18	R5	RG-1	12x12	300	450	320	107%
Office #19	R6	RG-1	12x12	425	520	420	99%
				985		980	99%

REMARKS

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DATE
1-Nov-2006

PROJECT
Davita

SYSTEM
HP5

READINGS

JOB NUMBER
1999



BOAC
BUZZ OATES AIR CONDITIONING
6250 Sky Creek Dr.
Sacramento, CA

CA LIC.#611351

HVAC SYSTEM REPORT

DATE
1-Nov-2006

FAN NAMEPLATE DATA

MANUFACTURER
MODEL
TYPE
SIZE
SERIAL NUMBER

FAN PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

MOTOR NAMEPLATE DATA

MANUFACTURER **FASCO**
VOLTS/PHASE **460-3 Ø**
HORSEPOWER **1/2**
FULL LOAD AMPS **1.24**
RPM **1075**
SERVICE FACTOR

MOTOR PULLEY DATA

DIAMETER
SHAFT
ADJ/FIXED

BELT NO. & SIZE

CONDENSING UNIT DATA

MANUFACTURER **Climate Master**
MODEL **GCH036BFC30CLSS**
TONNAGE **3**
SERIAL NUMBER **J11453040**

FAN	DESIGN	ACTUAL
SUPPLY AIR CFM	1150	1155
RETURN AIR CFM	775	780
OUTSIDE AIR CFM	375	375
FAN RPM		
STATIC PRESSURE +		
STATIC PRESSURE -		
TOTAL STATIC PRESSURE		
FILTER STATIC PRESSURE		
MOTOR		
AMPS	1.24	.98
VOLTS	460	483
HORSEPOWER	1/2	1/2
RPM	1075	

PROJECT
Davita

SYSTEM
HP6

READINGS

JOB NUMBER
1999


FIELD FORMS AVAILABLE
DUCT TRAVERSE
SYSTEM DIAGRAM
PULLEY CALCULATIONS

TEMPERATURE IN
TEMPERATURE OUT
DROP/RISE

DIFFUSERS AND GRILLS

Room	Outlet Number	Code	Size	Required CFM	Test 1	Final CFM	% of Design
Conf	S1	CD-1	14x14	540	600	530	98%
Conf	S2	CD-1	14x14	535	660	540	101%
Bathroom	S3	CD-2	6x6	75	40	85	113%
				1150		1155	100%
Conf	R1	RG-1	14x14	775	1000	780	101%

REMARKS
Had to replace transformer (1) 480 24 50VA wiron on circuit board



BOAC
 BUZZ OATES AIR CONDITIONING
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