

National TAB

Project: 05-09 KROGER #034-356 - HOUSTON, TX (RTU REPLACEMENT)

System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU1

AREA:

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	TRANE	TRANE	SF CFM (Initial)	-	
Serial Num	-	C21G05201	SF CFM	22500	22140
Model Num	SFHFLF604H	SFHFLF604HV10C79DA001ACC00V05	SF RPM (Initial)	-	
Configuration	-	VERTICAL DISCHARGE	SF RPM	851	768
Num OA Filters 1	-	N/A	RA CFM	18500	18246
OA Filter Size 1	-	N/A	OA CFM	4000	3894
Num OA Filters 2	-		RL Voltage	-	490/485/488
OA Filter Size 2	-		RL Amperage Initial	-	
Num Final Filter 1	-	35	RL Amperage	-	18.0/17.3/17.7
Final Filter Size 1	-	16x20x2	SF Rotation	-	CW
Num Final Filter 2	-	N/A	VFD Max SetPt	-	
Final Filter Size 2	-	N/A	VFD Min SetPt	-	

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	S284T
Horsepower	25	25
Motor Rpm	-	1765
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	30.5
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	2B5V60
Motor Bore Size	-	1 7/8"
Motor Sheave SetPt	-	FIXED
Fan Sheave Size	-	2B5V124
Fan Sheave Bore	-	2 3/16"
Belt CL Distance	-	35 1/4"
Num of Belts	-	2
Belt Size	-	5VX1000
Belt Alignment	-	CORRECT

RA Damper Position	-	5"
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	1/4"
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.80"
Fan Suction SP	-	-1.58"
Fan Discharge SP	-	1.22"
Total ESP	3.132"	2.02"
Fan Total SP	-	2.80"

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Unit Filters Clean	-	YES
Evap Coil Clean	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Condensate Drain Installed	-	

Completed By: Wesley John

Notes: HIGH FAN SPEED 54.0 Hz LOW FAN SPEED 27.0 Hz

Asset	Notes



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Comfort. Under control.

Asset: RTU2

AREA:

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	TRANE	TRANE	SF CFM (Initial)	-	
Serial Num	-	C21G05200	SF CFM	22500	21893
Model Num	SFHFL604H	YHC036E4RHA26B0C1A1B6000G00	SF RPM (Initial)	-	
Configuration	-	VERTICAL DISCHARGE	SF RPM	851	769
Num OA Filters 1	-	N/A	RA CFM	18500	18163
OA Filter Size 1	-	N/A	OA CFM	4000	3730
Num OA Filters 2	-		RL Voltage	-	491/487/489
OA Filter Size 2	-		RL Amperage Initial	-	
Num Final Filter 1	-	35	RL Amperage	-	19.5/18.7/19.1
Final Filter Size 1	-	16x20x2	SF Rotation	-	CW
Num Final Filter 2	-	N/A	VFD Max SetPt	-	
Final Filter Size 2	-	N/A	VFD Min SetPt	-	

Motor Data		
	Design	Actual
Motor MFG	-	CENTURY
Frame	-	S284T
Horsepower	25	25
Motor Rpm	-	1765
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	30.5
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	2B5V60
Motor Bore Size	-	1 7/8"
Motor Sheave SetPt	-	FIXED
Fan Sheave Size	-	2B5V124
Fan Sheave Bore	-	2 3/16"
Belt CL Distance	-	35 1/4"
Num of Belts	-	2
Belt Size	-	5VX1000
Belt Alignment	-	CORRECT

RA Damper Position	-	5"
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	1/4"
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.76"
Fan Suction SP	-	-1.43"
Fan Discharge SP	-	1.44"
Total ESP	3.132"	2.20"
Fan Total SP	-	2.87"

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Unit Filters Clean	-	YES
Evap Coil Clean	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Condensate Drain Installed	-	YES

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Notes: HIGH FAN SPEED 54.0 Hz LOW FAN SPEED 27.0 Hz

Asset	Notes



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Comfort. Under control.

Asset: RTU3

AREA:

Unit Data		
	Design	Actual
MFG	TRANE	TRANE
Serial Num	-	-
Model Num	YHC036E4RHA	YHC036E4RHA
Configuration	-	-
Num OA Filters 1	-	-
OA Filter Size 1	-	-
Num OA Filters 2	-	-
OA Filter Size 2	-	-
Num Final Filter 1	-	-
Final Filter Size 1	-	-
Num Final Filter 2	-	-
Final Filter Size 2	-	-

Motor Data		
	Design	Actual
Motor MFG	-	-
Frame	-	-
Horsepower	3	-
Motor Rpm	-	-
Phase	3	-
Rated Voltage	460	-
Rated Amperage	-	-
Service Factor	-	-
Efficiency	-	-
Power Factor	-	-

Drive Data		
	Design	Actual
Motor Sheave Size	-	-
Motor Bore Size	-	-
Motor Sheave SetPt	-	-
Fan Sheave Size	-	-
Fan Sheave Bore	-	-
Belt CL Distance	-	-
Num of Belts	-	-
Belt Size	-	-
Belt Alignment	-	-

Test Data		
	Design	Actual
SF CFM (Initial)	-	-
SF CFM	1200	-
SF RPM (Initial)	-	-
SF RPM	992	-
RA CFM	1050	-
OA CFM	150	-
RL Voltage	-	-
RL Amperage Initial	-	-
RL Amperage	-	-
SF Rotation	-	-
VFD Max SetPt	-	-
VFD Min SetPt	-	-
RA Damper Position	-	-
OA Damper Position	-	-
OA Damper Type	-	-
Min OA Damper Position	-	-
OA Enthalpy Setpt	-	-
Brake Horse Power	-	-

Performance Data		
	Design	Actual
MA Plenum SP	-	-
Fan Suction SP	-	-
Fan Discharge SP	-	-
Total ESP	0.8"	-
Fan Total SP	-	-

General		
	Design	Actual
Unit free of Damage	-	-
Unit Completely Assembled	-	-
Unit Leveled	-	-
Curb & Unit Installed Air Tight	-	-
Controls Complete	-	-
Unit Filters Clean	-	-
Evap Coil Clean	-	-
Condensor Coil Clean	-	-
Condensor Fins Straight	-	-
Condensate Drain Installed	-	-

Completed By: Wesley John

Notes:

Asset	Notes



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System/Unit: AHU/RTU



Comfort. Under control.

Asset: RTU5

AREA:

Unit Data			Test Data		
	Design	Actual		Design	Actual
MFG	TRANE	TRANE	SF CFM (Initial)	-	
Serial Num	-	213610506D	SF CFM	5625	5213
Model Num	YHD180G4RHD	YHD180G4RHD17F0C1A1B6000	SF RPM (Initial)	-	
Configuration	-	VERTICAL DISCHARGE	SF RPM	738	722
Num OA Filters 1	-	1	RA CFM	4625	4260
OA Filter Size 1	-	18x60	OA CFM	1000	953
Num OA Filters 2	-		RL Voltage	-	489/489/491
OA Filter Size 2	-		RL Amperage Initial	-	
Num Final Filter 1	-	4	RL Amperage	-	3.4/3.6/3.5
Final Filter Size 1	-	16x20x2	SF Rotation	-	CW
Num Final Filter 2	-	8	VFD Max SetPt	-	
Final Filter Size 2	-	20x20x2	VFD Min SetPt	-	

Motor Data		
	Design	Actual
Motor MFG	-	MARATHON
Frame	-	56HZ
Horsepower	2	3
Motor Rpm	-	1725
Phase	3	3
Rated Voltage	460	460
Rated Amperage	-	4.6
Service Factor	-	
Efficiency	-	
Power Factor	-	

Drive Data		
	Design	Actual
Motor Sheave Size	-	1VL40
Motor Bore Size	-	7/8"
Motor Sheave SetPt	-	1.0 TURN OPEN
Fan Sheave Size	-	BK110
Fan Sheave Bore	-	1 3/16"
Belt CL Distance	-	22"
Num of Belts	-	1
Belt Size	-	BX68
Belt Alignment	-	CORRECT

RA Damper Position	-	OPEN
OA Damper Position	-	
OA Damper Type	-	
Min OA Damper Position	-	1/2"
OA Enthalpy Setpt	-	
Brake Horse Power	-	

Performance Data		
	Design	Actual
MA Plenum SP	-	-0.47"
Fan Suction SP	-	-0.72"
Fan Discharge SP	-	0.53"
Total ESP	1.0"	1.00"
Fan Total SP	-	1.25"

General		
	Design	Actual
Unit free of Damage	-	
Unit Completely Assembled	-	
Unit Leveled	-	
Curb & Unit Installed Air Tight	-	
Controls Complete	-	
Unit Filters Clean	-	YES
Evap Coil Clean	-	
Condensor Coil Clean	-	
Condensor Fins Straight	-	
Condensate Drain Installed	-	YES

Completed By: Wesley John

Notes: RETURN IS HORIZONTALLY DUCTED. RETURN GRILLES SHOULD BE CLEANED. SEE PICS.

Asset	Notes

