

ACD RHEEM MANUFACTURING CO.				RESEARCH & DEVELOPMENT DEPARTMENT			
R E V	01	REMOVED DESIGN SERIES "B".	MLA	115607 2/6/2024			
STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL ± 1/32 -ANGULAR +1° -3° -DECIMAL ± .030 -REFERENCE ()							
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED							
R H C Y A 2 090 C A R DRIVE PACKAGE Q = OPTIONAL R = STANDARD S = OPTIONAL T = OPTIONAL U = OPTIONAL V = OPTIONAL DESIGN SERIES A = STANDARD ELECTRICAL DESIGNATION C = 208/230V, 3 PH, 60 HZ D = 460V, 3 PH, 60 HZ Y= 575V, 3PH, 60HZ NOMINAL TONNAGE 090 = 7.5 TON 120 = 10 TON 121= 10 TON 150 = 12.5 TON 180 = 15 TON 240 = 20 TON AIRFLOW STAGE 2 = 2-STAGE AIRFLOW (VFD) PAIRED OUTDOOR UNIT A = REMOTE CONDENSING UNIT P = REMOTE HEAT PUMP DESIGN SERIES Y = R-454B COMMERCIAL SERIES AIR HANDLER TRADEBRAND							
CHECKED BY:	APPROVED BY:	RELIAB. ENGR.:	VENDOR APPROVAL:	DR. BY: FMC DATE: 11/22/2023	ORIGINAL RELEASE No.: 114597	MATERIAL:	
(-)HCY PRODUCT INFORMATION MODEL NUMBER DATA					PART NO. ADS-105108-10	SHEET NO. A1	REV. 01

RHEEM MANUFACTURING CO. AIR CONDITIONING DIVISION RESEARCH & DEVELOPMENT DEPARTMENT											
01	ADDED NEW MODELS, LINES 9 THRU 11, 21 THRU 23, 37 THRU 43 AND 53 THRU 55.					MAB	122902 1/22/2025				
L I N E	R E V	YEAR INITIATED	PLANT PRODUCED			DOMESTIC	DAIKIN		THERMALZONE		
			F	M		RHCY	REF. RHEEM MODEL NO.	DAIKIN MODEL NO.	REF. RHEEM MODEL NO.	THERMALZONE MODEL NO.	
1		2023	X			A2090CAR					
2		2023	X			A2090CAS					
3		2023	X			A2090CAT					
4											
5		2023	X			A2090DAR					
6		2023	X			A2090DAS					
7		2023	X			A2090DAT					
8											
9	01	2024	X			A2090YAR					
10	01	2024	X			A2090YAS					
11	01	2024	X			A2090YAT					
12											
13		2023	X			A2120CAR					
14		2023	X			A2120CAS					
15		2023	X			A2120CAT					
16											
17		2023	X			A2120DAR					
18		2023	X			A2120DAS					
19		2023	X			A2120DAT					
20											
21	01	2024	X			A2120YAR					
22	01	2024	X			A2120YAS					
23	01	2024	X			A2120YAT					
24											
25		2023	X			A2121CAR					
26		2023	X			A2121CAS					
27		2023	X			A2121CAT					
28											
29		2023	X			A2121DAR					
30		2023	X			A2121DAS					
31		2023	X			A2121DAT					
32											
33		2023	X			A2150CAR					
34		2023	X			A2150CAS					
35		2023	X			A2150CAT					
36											
37	01	2024	X			A2150DAR					
38	01	2024	X			A2150DAS					
39	01	2024	X			A2150DAT					
40											
41	01	2024	X			A2150YAR					
42	01	2024	X			A2150YAS					
43	01	2024	X			A2150YAT					
44											
45		2023	X			A2180CAR					
46		2023	X			A2180CAS					
47		2023	X			A2180CAT					
48											
49		2023	X			A2180DAR					
50		2023	X			A2180DAS					
51		2023	X			A2180DAT					
52											
53	01	2024	X			A2180YAR					
54	01	2024	X			A2180YAS					
55	01	2024	X			A2180YAT					
PRODUCT CLASS		DRAWN BY:	FMC		DATE:	11/17/2023	ORIGINAL RELEASE NUMBER:		114597		SHEET. B1 REV. 01
HCY		CHECKED BY:			TITLE: PRODUCT INFORMATION END ITEMS (-)HCY						
		APPROVED BY:									

RHEEM MANUFACTURING CO.						AIR CONDITIONING DIVISION		RESEARCH & DEVELOPMENT DEPARTMENT			
01	REMOVED DAIKIN MODELS NO.					AHT	116499 3/19/2024				
02	ADDED NEW MODELS, FROM LINE 9 THRU 11. REMOVED A20***** AND A21***** MODELS.					MAB	122902 1/22/2025				
L I N E	R E V	YEAR INITIATED	PLANT PRODUCED			DOMESTIC	DAIKIN		THERMALZONE		
			F	NL		RHCY	REF. RHEEM MODEL NO.	DAIKIN MODEL NO.	REF. RHEEM MODEL NO.	THERMALZONE MODEL NO.	
1		2023	X			A2240CAR					
2		2023	X			A2240CAS					
3		2023	X			A2240CAT					
4											
5		2023	X			A2240DAR					
6		2023	X			A2240DAS					
7		2023	X			A2240DAT					
8											
9	02	2024	X			A2240YAR					
10	02	2024	X			A2240YAS					
11	02	2024	X			A2240YAT					
12											
13											
14											
15											
16											
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36											
PRODUCT CLASS HCY		DRAWN BY:	FMC			ORIGINAL RELEASE NUMBER:		114597		PART NO. ADS-105108-10	
		DATE:	11/17/2023			PRODUCT INFORMATION END ITEMS (-)HCY					
		CHECKED BY:									
		APPROVED BY:									
										REV. 02	
										SHEET. B2	

RHEEM MANUFACTURING CO. AIR CONDITIONING DIVISION RESEARCH & DEVELOPMENT DEPARTMENT														
01	REMOVED DAIKIN MODELS NO.					AHT	116499 3/19/2024							
02	REMOVED A21***** AND A22***** MODELS. ADDED NEW MODELS, LINES 9 THRU 11 AND 21 THRU 23.					MAB	122902 1/22/2025							
L I N E	R E V	YEAR INITIATED	PLANT PRODUCED			DOMESTIC	DAIKIN		THERMALZONE					
			F	NL		RHCY	REF. RHEEM MODEL NO.	DAIKIN MODEL NO.	REF. RHEEM MODEL NO.	THERMALZONE MODEL NO.				
1		2023	X			P2090CAR								
2		2023	X			P2090CAS								
3		2023	X			P2090CAT								
4														
5		2023	X			P2090DAR								
6		2023	X			P2090DAS								
7		2023	X			P2090DAT								
8														
9	02	2024	X			P2090YAR								
10	02	2024	X			P2090YAS								
11	02	2024	X			P2090YAT								
12														
13		2023	X			P2120CAR								
14		2023	X			P2120CAS								
15		2023	X			P2120CAT								
16														
17		2023	X			P2120DAR								
18		2023	X			P2120DAS								
19		2023	X			P2120DAT								
20														
21	02	2024	X			P2120YAR								
22	02	2024	X			P2120YAS								
23	02	2024	X			P2120YAT								
24														
25														
26														
27														
28														
29														
30														
31														
32														
33														
34														
35														
36														
PRODUCT CLASS HCY		DRAWN BY:		FMC		ORIGINAL RELEASE NUMBER:			114597			PART NO. ADS-105108-10	REV. 02	
		DATE:		11/17/2023		PRODUCT INFORMATION END ITEMS (-)HCY							SHEET. B3	
		CHECKED BY:												
		APPROVED BY:												

RHEEM MANUFACTURING CO.			AIR CONDITIONING DIVISION			RESEARCH & DEVELOPMENT DEPARTMENT					
01	REMOVED DAIKIN MODELS NO.			AHT	116499 3/19/2024						
02	MADE OBSOLETE. REMOVED ALL MODELS.			MAB	122902 1/22/2025						
LINE	REV	YEAR INITIATED	PLANT PRODUCED			DOMESTIC	DAIKIN		THERMALZONE		
			F	NL		RHCY	REF. RHEEM MODEL NO.	DAIKIN MODEL NO.	REF. RHEEM MODEL NO.	THERMALZONE MODEL NO.	
1											
2											
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33											
PRODUCT CLASS HCY		DRAWN BY:		FMC		ORIGINAL RELEASE NUMBER:		114597		PART NO. ADS-105108-10	REV. 02
		DATE:		11/17/2023		PRODUCT INFORMATION END ITEMS (-)HCY					SHEET. B4
		CHECKED BY:									
		APPROVED BY:									

RESEARCH & DEVELOPMENT DEPARTMENT

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $\pm 1^{\circ}-3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

PH TRADEBRAND RHEEM WARM DARK GRAY

RESEARCH & DEVELOPMENT DEPARTMENT

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ} -3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()	
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED	

(-)HCYA PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS	PART NO.	SHEET NO.	REV.
	ADS-105108-10	F1	02

RESEARCH & DEVELOPMENT DEPARTMENT

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^\circ -3^\circ$ -DECIMAL $\pm .030$ -REFERENCE ()
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

(-)HCYP PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS	PART NO.	SHEET NO.	REV.
	ADS-105108-10	F2	02

RESEARCH & DEVELOPMENT DEPARTMENT

R E V	01	REMOVED MODEL NUMBER – DAIKIN AND MODEL INFORMATION FROM ROW 7 THRU 12. UPDATED MINIMUM CKT. AMPACITY VALUES AND MAX. FUSE OR CKT. BREAKER 20 WAS 15.	AHT	116499 3/19/2024		
	02	ADDED MODELS FOR 575 VOLTS.	MAB	122902 1/22/2025		

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ} -3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()

NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

[illegible]

CHKD. BY:	APRV. BY:	RELIAB. ENGR.: "NR"	VEND. APP.: "NR"	DR. BY: FMC	DATE: 11/22/2023	ORIGINAL RELEASE NO.: 114597			
(-)HCYA PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS							PART NO.	SHEET NO.	REV.
							ADS-105108-10	F3	02

RESEARCH & DEVELOPMENT DEPARTMENT

R E V	01	REMOVED MODEL NUMBER – DAIKIN AND MODEL INFORMATION FROM ROW 7 THRU 12. UPDATED MINIMUM CKT. AMPACITY VALUES AND MAX. FUSE OR CKT. BREAKER 20 WAS 15.	AHT	116499 3/19/2024			
	02	ADDED NEW MODELS FOR 575 VOLTS.	MAB	122902 1/22/2025			

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ}-3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()

NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

[illegible]

CHKD. BY:	APRV. BY:	RELIAB. ENGR.: "NR"	VEND. APP.: "NR"	DR. BY: FMC	DATE: 11/22/2023	ORIGINAL 114597 RELEASE NO.:	
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(-)HCYP PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS

PART NO.	SHEET NO.	REV.
ADS-105108-10	F4	02

RESEARCH & DEVELOPMENT DEPARTMENT

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ} -3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

[illegible]

(-)HCYA PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS	PART NO.	SHEET NO.	REV.
	ADS-105108-10	F5	01

RESEARCH & DEVELOPMENT DEPARTMENT

R E V	01	REMOVED MODEL NUMBER – DAIKIN AND MODEL INFORMATION FROM ROW 7 THRU 12. UPDATED MINIMUM CKT. AMPACITY VALUES AND MAX. FUSE OR CKT. BREAKER 25 WAS 15. AHT	116499 3/19/2024			
	02	ADDED NEW MODELS FOR 575 VOLTS. MAB	122902 1/22/2025			

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ} -3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()

NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

[illegible]

CHKD. BY:	APRV. BY:	RELIAB. ENGR.: "NR"	VEND. APP.: "NR"	DR. BY: FMC	DATE: 11/22/2023	ORIGINAL 114597 RELEASE NO.:	
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**(-)HCYA PRODUCT INFORMATION
RATING PLATE STAMPING INSTRUCTIONS**

PART NO.	SHEET NO.	REV.
ADS-105108-10	F6	02

RESEARCH & DEVELOPMENT DEPARTMENT

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ} -3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED

[illegible]

(-)HCYA PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS	PART NO.	SHEET NO.	REV.
	ADS-105108-10	F7	02

RESEARCH & DEVELOPMENT DEPARTMENT

STANDARD TOLERANCE UNLESS OTHERWISE NOTED: -FRACTIONAL $\pm 1/32$ -ANGULAR $+1^{\circ} -3^{\circ}$ -DECIMAL $\pm .030$ -REFERENCE ()	
NOTE: ALL BRAKES ARE 90° UNLESS OTHERWISE SPECIFIED	

[illegible]

(-)HCYA PRODUCT INFORMATION RATING PLATE STAMPING INSTRUCTIONS	PART NO.	SHEET NO.	REV.
	ADS-105108-10	F8	02

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT											
01	REVISED SHEET NO. G1A WAS G1. REMOVED MODEL?HCYP2090. REVISED LINES 14 THRU 33.				AHT	116499 3/19/2024													
02	REVISED LINE 25, PART NUMBER AS/45-50205-09 WAS AS/45-50205-05 AND LENGTH 6" WAS 4".				AHT	118810 7/11/2024													
03	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.				MAB	122904 1/27/2025													
LINE	REV.	AS-/45-	I.D.	INSULATION/ AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2090							
								45-	45-	FROM	TO	60 HZ							
												C*R	C*S	C*T					
												D*R	D*S	D*T					
1		HARNESS 45-42522-240 TO HARNESS 45-42522-243 (PL44)																	
2		INTEGRAL			3N1	BK	6 / 40			TB (L1)	VFD (L1)	1	1	1					
3		INTEGRAL			3N2	BK	6 / 40			TB (L2)	VFD (L2)	1	1	1					
4		INTEGRAL			3N3	BK	6 / 40			TB (L3)	VFD (L3)	1	1	1					
5		INTEGRAL				G	6 / 40			CHASSIS GND	VFD (GND)	1	1	1					
6										(CTL BOX EXTERIOR)									
7																			
8		HARNESS 45-42522-239 TO HARNESS 45-42522-242 (PL45)																	
9		INTEGRAL			3M1	BK	13 / 52			VFD (T1)	IBM (T1)	1	1	1					
10		INTEGRAL			3M2	BK	13 / 52			VFD (T2)	IBM (T2)	1	1	1					
11		INTEGRAL			3M3	BK	13 / 52			VFD (T3)	IBM (T3)	1	1	1					
12		INTEGRAL				G	13 / 52			VFD (GND)	IBM (GND)	1	1	1					
13																			
14	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR3 (3)	BR4(3)	1	1	1					
15	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR1 (3)	BR2 (3)	1	1	1					
16	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR2 (3)	BR3 (3)	1	1	1					
17	01	AS/45-50207-23	AJ	18/2		BR	16"	21684-02	STRIP (1/2)	BR1 (3)	TB2 (C)	1	1	1					
18	01	AS/45-58285-25	AJ	18/2		W/BK	18"	21684-02	STRIP (1/2)	BR3 (1)	TB2 (W1)	1	1	1					
19	01	AS/45-58286-23	AJ	18/2		G/BK	16"	21684-02	STRIP (1/2)	BR1 (1)	TB2 (G)	1	1	1					
20	01	AS/45-52880-25	AJ	18/2		Y/BL	18"	21684-02	STRIP (1/2)	BR2 (1)	TB2 (Y2)	1	1	1					
21	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR1 (2)	BR2 (2)	1	1	1					
22	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR2 (2)	BR3 (2)	1	1	1					
23	01	AS/45-50204-05	DJ	18/2		BL	4"	18437-01	21684-02	BR2 (4)	BR3 (4)	1	1	1					
24	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR3 (2)	BR4(2)	1	1	1					
25	02	AS/45-50205-09	DJ	18/2		Y	6"	18437-01	21684-02	BR1 (4)	BR4(4)	1	1	1					
26																			
27	01	HARNESS 45-42522-244 TO HARNESS 45-42522-241 (CHECK DIAGRAM , PL47)																	
28	01	INTEGRAL			BR2 (4) 602	GY	20"			BR2 (4)	PL47 (2)	1	1	1					
29	01	INTEGRAL			BR1 (2) 603	W/BL	20"			BR1 (2)	PL47 (3)	1	1	1					
30	01	INTEGRAL			BR1 (4) 604	Y	20"			BR1 (4)	PL47 (4)	1	1	1					
31	01	INTEGRAL			602	GY	14			PL47 (2)	TO VFD	1	1	1					
32	01	INTEGRAL			603	W/BL	14			PL47 (3)	TO VFD	1	1	1					
33	01	INTEGRAL			604	Y	14			PL47 (4)	TO VFD	1	1	1					
34																			
PROD. CLASS	DRAWN BY:		FMC		ORIGINAL RELEASE NUMBER:				114597				PART NO. ADS-105108-10				REV. 03		
	DATE:		11/21/2023		WIRE ROUTING INSTRUCTIONS														
	CHECKED BY:																		
	APPROVED BY:																		
HCY													SHEET. G1A						

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT											
01	REVISED SHEET NO. G2A WAS G2. REMOVED MODEL?HCYP2120. REVISED LINES 14 THRU 33.				AHT	116499 3/19/2024													
02	REVISED LINE 25, PART NUMBER AS/45-50205-09 WAS AS/45-50205-05 AND LENGTH 6" WAS 4".				AHT	118810 7/11/2024													
03	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.				MAB	122904 1/27/2025													
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2120							
								45-	45-	FROM	TO	60 HZ							
												C*R	C*S	C*T					
												D*R	D*S	D*T					
Y*R	Y*S	Y*T																	
1		HARNESS 45-42522-240 TO HARNESS 45-42522-243 (PL44)																	
2		INTEGRAL			3N1	BK	6 / 40			TB (L1)	VFD (L1)	1	1	1					
3		INTEGRAL			3N2	BK	6 / 40			TB (L2)	VFD (L2)	1	1	1					
4		INTEGRAL			3N3	BK	6 / 40			TB (L3)	VFD (L3)	1	1	1					
5		INTEGRAL				G	6 / 40			CHASSIS GND	VFD (GND)	1	1	1					
6										(CTL BOX EXTERIOR)									
7																			
8		HARNESS 45-42522-239 TO HARNESS 45-42522-242 (PL45)																	
9		INTEGRAL			3M1	BK	13 / 52			VFD (T1)	IBM (T1)	1	1	1					
10		INTEGRAL			3M2	BK	13 / 52			VFD (T2)	IBM (T2)	1	1	1					
11		INTEGRAL			3M3	BK	13 / 52			VFD (T3)	IBM (T3)	1	1	1					
12		INTEGRAL				G	13 / 52			VFD (GND)	IBM (GND)	1	1	1					
13																			
14	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR3 (3)	BR4 (3)	1	1	1					
15	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR1 (3)	BR2 (3)	1	1	1					
16	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR2 (3)	BR3 (3)	1	1	1					
17	01	AS/45-50207-23	AJ	18/2		BR	16"	21684-02	STRIP (1/2)	BR1 (3)	TB2 (C)	1	1	1					
18	01	AS/45-58285-25	AJ	18/2		W/BK	18"	21684-02	STRIP (1/2)	BR3 (1)	TB2 (W1)	1	1	1					
19	01	AS/45-58286-23	AJ	18/2		G/BK	16"	21684-02	STRIP (1/2)	BR1 (1)	TB2 (G)	1	1	1					
20	01	AS/45-52880-25	AJ	18/2		Y/BL	18"	21684-02	STRIP (1/2)	BR2 (1)	TB2 (Y2)	1	1	1					
21	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR1 (2)	BR2 (2)	1	1	1					
22	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR2 (2)	BR3 (2)	1	1	1					
23	01	AS/45-50204-05	DJ	18/2		BL	4"	18437-01	21684-02	BR2 (4)	BR3 (4)	1	1	1					
24	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR3 (2)	BR4 (2)	1	1	1					
25	02	AS/45-50205-09	DJ	18/2		Y	6"	18437-01	21684-02	BR1 (4)	BR4 (4)	1	1	1					
26																			
27	01	HARNESS 45-42522-244 TO HARNESS 45-42522-241 (CHECK DIAGRAM , PL47)																	
28	01	INTEGRAL			BR2 (4) 602	GY	20"			BR2 (4)	PL47 (2)	1	1	1					
29	01	INTEGRAL			BR1 (2) 603	W/BL	20"			BR1 (2)	PL47 (3)	1	1	1					
30	01	INTEGRAL			BR1 (4) 604	Y	20"			BR1 (4)	PL47 (4)	1	1	1					
31	01	INTEGRAL			602	GY	14			PL47 (2)	TO VFD	1	1	1					
32	01	INTEGRAL			603	W/BL	14			PL47 (3)	TO VFD	1	1	1					
33	01	INTEGRAL			604	Y	14			PL47 (4)	TO VFD	1	1	1					
34																			
PROD. CLASS	DRAWN BY:		FMC		ORIGINAL RELEASE NUMBER:				114597				PART NO. ADS-105108-10				REV. 03		
	DATE:		11-21-2023		WIRE ROUTING INSTRUCTIONS														
	CHECKED BY:																		
	APPROVED BY:																		
HCY													SHEET. G2A						

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT											
01	REVISED SHEET NO. G3A WAS G3. REVISED LINES 14 THRU 33.						AHT	116499 3/19/2024											
02	REVISED LINE 25, PART NUMBER AS/45-50205-09 WAS AS/45-50205-05 AND LENGTH 6" WAS 4".						AHT	118810 7/11/2024											
03	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025											
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2240							
								45-	45-	FROM	TO	60 HZ							
												C*R	C*S	C*T					
												D*R	D*S	D*T					
Y*R	Y*S	Y*T																	
1		HARNESS 45-42522-240 TO HARNESS 45-42522-243 (PL44)																	
2		INTEGRAL			3N1	BK	6 / 40			TB (L1)	VFD (L1)	1	1	1					
3		INTEGRAL			3N2	BK	6 / 40			TB (L2)	VFD (L2)	1	1	1					
4		INTEGRAL			3N3	BK	6 / 40			TB (L3)	VFD (L3)	1	1	1					
5		INTEGRAL				G	6 / 40			CHASSIS GND	VFD (GND)	1	1	1					
6										(CTL BOX EXTERIOR)									
7																			
8		HARNESS 45-42522-239 TO HARNESS 45-42522-242 (PL45)																	
9		INTEGRAL			3M1	BK	13 / 52			VFD (T1)	IBM (T1)	1	1	1					
10		INTEGRAL			3M2	BK	13 / 52			VFD (T2)	IBM (T2)	1	1	1					
11		INTEGRAL			3M3	BK	13 / 52			VFD (T3)	IBM (T3)	1	1	1					
12		INTEGRAL				G	13 / 52			VFD (GND)	IBM (GND)	1	1	1					
13																			
14	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR3 (3)	BR4 (3)	1	1	1					
15	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR1 (3)	BR2 (3)	1	1	1					
16	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR2 (3)	BR3 (3)	1	1	1					
17	01	AS/45-50207-23	AJ	18/2		BR	16"	21684-02	STRIP (1/2)	BR1 (3)	TB2 (C)	1	1	1					
18	01	AS/45-58285-25	AJ	18/2		W/BK	18"	21684-02	STRIP (1/2)	BR3 (1)	TB2 (W1)	1	1	1					
19	01	AS/45-58286-23	AJ	18/2		G/BK	16"	21684-02	STRIP (1/2)	BR1 (1)	TB2 (G)	1	1	1					
20	01	AS/45-52880-25	AJ	18/2		Y/BL	18"	21684-02	STRIP (1/2)	BR2 (1)	TB2 (Y2)	1	1	1					
21	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR1 (2)	BR2 (2)	1	1	1					
22	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR2 (2)	BR3 (2)	1	1	1					
23	01	AS/45-50204-05	DJ	18/2		BL	4"	18437-01	21684-02	BR2 (4)	BR3 (4)	1	1	1					
24	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR3 (2)	BR4 (2)	1	1	1					
25	02	AS/45-50205-09	DJ	18/2		Y	6"	18437-01	21684-02	BR1 (4)	BR4 (4)	1	1	1					
26																			
27	01	HARNESS 45-42522-244 TO HARNESS 45-42522-241 (CHECK DIAGRAM , PL47)																	
28	01	INTEGRAL			BR2 (4) 602	GY	20"			BR2 (4)	PL47 (2)	1	1	1					
29	01	INTEGRAL			BR1 (2) 603	W/BL	20"			BR1 (2)	PL47 (3)	1	1	1					
30	01	INTEGRAL			BR1 (4) 604	Y	20"			BR1 (4)	PL47 (4)	1	1	1					
31	01	INTEGRAL			602	GY	14			PL47 (2)	TO VFD	1	1	1					
32	01	INTEGRAL			603	W/BL	14			PL47 (3)	TO VFD	1	1	1					
33	01	INTEGRAL			604	Y	14			PL47 (4)	TO VFD	1	1	1					
34																			
PROD. CLASS	DRAWN BY:		FMC		ORIGINAL RELEASE NUMBER:				114597				PART NO. ADS-105108-10				REV. 03		
	DATE:		11-21-2023		WIRE ROUTING INSTRUCTIONS														
	CHECKED BY:																		
	APPROVED BY:								SHEET. G3A										
HCY																			

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION						RESEARCH & DEVELOPMENT DEPARTMENT									
01	REVISED SHEET NO. G4A WAS G4. REVISED LINES 14 THRU 33. ADDED ?HCYA2121 MODEL.			AHT	116499 3/19/2024														
02	REVISED LINE 25, PART NUMBER AS/45-50205-09 WAS AS/45-50205-05 AND LENGTH 6" WAS 4".			AHT	118810 7/11/2024														
03	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.			MAB	122904 1/27/2025														
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2121 / ?HCYA2150 / ?HCYA2180							
								45-	45-	FROM	TO	60 HZ							
												C*R	C*S	C*T					
												D*R	D*S	D*T					
1		HARNESS 45-42522-240 TO HARNESS 45-42522-243 (PL44)																	
2		INTEGRAL			3N1	BK	6 / 40			TB (L1)	VFD (L1)	1	1	1					
3		INTEGRAL			3N2	BK	6 / 40			TB (L2)	VFD (L2)	1	1	1					
4		INTEGRAL			3N3	BK	6 / 40			TB (L3)	VFD (L3)	1	1	1					
5		INTEGRAL				G	6 / 40			CHASSIS GND	VFD (GND)	1	1	1					
6										(CTL BOX EXTERIOR)									
7																			
8		HARNESS 45-42522-239 TO HARNESS 45-42522-242 (PL45)																	
9		INTEGRAL			3M1	BK	13 / 52			VFD (T1)	IBM (T1)	1	1	1					
10		INTEGRAL			3M2	BK	13 / 52			VFD (T2)	IBM (T2)	1	1	1					
11		INTEGRAL			3M3	BK	13 / 52			VFD (T3)	IBM (T3)	1	1	1					
12		INTEGRAL				G	13 / 52			VFD (GND)	IBM (GND)	1	1	1					
13																			
14	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR3 (3)	BR4 (3)	1	1	1					
15	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR1 (3)	BR2 (3)	1	1	1					
16	01	AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR2 (3)	BR3 (3)	1	1	1					
17	01	AS/45-50207-23	AJ	18/2		BR	16"	21684-02	STRIP (1/2)	BR1 (3)	TB2 (C)	1	1	1					
18	01	AS/45-58285-25	AJ	18/2		W/BK	18"	21684-02	STRIP (1/2)	BR3 (1)	TB2 (W1)	1	1	1					
19	01	AS/45-58286-23	AJ	18/2		G/BK	16"	21684-02	STRIP (1/2)	BR1 (1)	TB2 (G)	1	1	1					
20	01	AS/45-52880-25	AJ	18/2		Y/BL	18"	21684-02	STRIP (1/2)	BR2 (1)	TB2 (Y2)	1	1	1					
21	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR1 (2)	BR2 (2)	1	1	1					
22	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR2 (2)	BR3 (2)	1	1	1					
23	01	AS/45-50204-05	DJ	18/2		BL	4"	18437-01	21684-02	BR2 (4)	BR3 (4)	1	1	1					
24	01	AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR3 (2)	BR4 (2)	1	1	1					
25	02	AS/45-50205-09	DJ	18/2		Y	6"	18437-01	21684-02	BR1 (4)	BR4 (4)	1	1	1					
26																			
27	01	HARNESS 45-42522-244 TO HARNESS 45-42522-241 (CHECK DIAGRAM , PL47)																	
28	01	INTEGRAL			BR2 (4) 602	GY	20"			BR2 (4)	PL47 (2)	1	1	1					
29	01	INTEGRAL			BR1 (2) 603	W/BL	20"			BR1 (2)	PL47 (3)	1	1	1					
30	01	INTEGRAL			BR1 (4) 604	Y	20"			BR1 (4)	PL47 (4)	1	1	1					
31	01	INTEGRAL			602	GY	14			PL47 (2)	TO VFD	1	1	1					
32	01	INTEGRAL			603	W/BL	14			PL47 (3)	TO VFD	1	1	1					
33	01	INTEGRAL			604	Y	14			PL47 (4)	TO VFD	1	1	1					
34																			
PROD. CLASS	DRAWN BY:		FMC		ORIGINAL RELEASE NUMBER:				114597				PART NO. ADS-105108-10				REV. 03		
	DATE:		11-21-2023		WIRE ROUTING INSTRUCTIONS														
	CHECKED BY:																		
	APPROVED BY:																		
HCY													SHEET. G4A						

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT											
01	REVISED LINE 26, PART NUMBER AS/45-50205-09 WAS AS/45-50205-05 AND LENGTH 6" WAS 4".			AHT	118810 7/11/2024														
02	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.			MAB	122904 1/27/2025														
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYP2090							
								45-	45-	FROM	TO	60 HZ							
												C*R	C*S	C*T					
												D*R	D*S	D*T					
Y*R	Y*S	Y*T																	
1		HARNESS 45-42522-240 TO HARNESS 45-42522-243 (PL44)																	
2		INTEGRAL			3N1	BK	6 / 40			TB (L1)	VFD (L1)	1	1	1					
3		INTEGRAL			3N2	BK	6 / 40			TB (L2)	VFD (L2)	1	1	1					
4		INTEGRAL			3N3	BK	6 / 40			TB (L3)	VFD (L3)	1	1	1					
5		INTEGRAL				G	6 / 40			CHASSIS GND	VFD (GND)	1	1	1					
6										(CTL BOX EXTERIOR)									
7																			
8		HARNESS 45-42522-239 TO HARNESS 45-42522-242 (PL45)																	
9		INTEGRAL			3M1	BK	13 / 52			VFD (T1)	IBM (T1)	1	1	1					
10		INTEGRAL			3M2	BK	13 / 52			VFD (T2)	IBM (T2)	1	1	1					
11		INTEGRAL			3M3	BK	13 / 52			VFD (T3)	IBM (T3)	1	1	1					
12		INTEGRAL				G	13 / 52			VFD (GND)	IBM (GND)	1	1	1					
13																			
14		AS/45-50202-25	AJ	18/2		R	18"	21684-02	STRIP (1/2)	BR4 (1)	TB3 (BR4)	1	1	1					
15		AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR3 (3)	BR4(3)	1	1	1					
16		AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR1 (3)	BR2 (3)	1	1	1					
17		AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR2 (3)	BR3 (3)	1	1	1					
18		AS/45-50207-23	AJ	18/2		BR	16"	21684-02	STRIP (1/2)	BR1 (3)	TB2 (C)	1	1	1					
19		AS/45-58285-25	AJ	18/2		W/BK	18"	21684-02	STRIP (1/2)	BR3 (1)	TB2 (W1)	1	1	1					
20		AS/45-58286-23	AJ	18/2		G/BK	16"	21684-02	STRIP (1/2)	BR1 (1)	TB2 (G)	1	1	1					
21		AS/45-52880-25	AJ	18/2		Y/BL	18"	21684-02	STRIP (1/2)	BR2 (1)	TB2 (Y2)	1	1	1					
22		AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR1 (2)	BR2 (2)	1	1	1					
23		AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR2 (2)	BR3 (2)	1	1	1					
24		AS/45-50204-05	DJ	18/2		BL	4"	18437-01	21684-02	BR2 (4)	BR3 (4)	1	1	1					
25		AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR3 (2)	BR4(2)	1	1	1					
26	01	AS/45-50205-09	DJ	18/2		Y	6"	18437-01	21684-02	BR1 (4)	BR4(4)	1	1	1					
27																			
28		HARNESS 45-42522-244 TO HARNESS 45-42522-241 (CHECK DIAGRAM , PL47)																	
29		INTEGRAL			BR2 (4) 602	GY	20"			BR2 (4)	PL47 (2)	1	1	1					
30		INTEGRAL			BR1 (2) 603	W/BL	20"			BR1 (2)	PL47 (3)	1	1	1					
31		INTEGRAL			BR1 (4) 604	Y	20"			BR1 (4)	PL47 (4)	1	1	1					
32		INTEGRAL			602	GY	14			PL47 (2)	TO VFD	1	1	1					
33		INTEGRAL			603	W/BL	14			PL47 (3)	TO VFD	1	1	1					
34		INTEGRAL			604	Y	14			PL47 (4)	TO VFD	1	1	1					
PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:				116499				PART NO. ADS-105108-10				REV. 02		
	DATE:		3-20-2024		WIRE ROUTING INSTRUCTIONS														
	CHECKED BY:																		
	APPROVED BY:								SHEET. G5A										
HCY																			

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION						RESEARCH & DEVELOPMENT DEPARTMENT									
01	REVISED LINE 26, PART NUMBER AS/45-50205-09 WAS AS/45-50205-05 AND LENGTH 6" WAS 4".						AHT	118810 7/11/2024											
02	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025											
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYP2120							
								45-	45-	FROM	TO	60 HZ							
												C*R	C*S	C*T					
												D*R	D*S	D*T					
Y*R	Y*S	Y*T																	
1		HARNESS 45-42522-240 TO HARNESS 45-42522-243 (PL44)																	
2		INTEGRAL			3N1	BK	6 / 40			TB (L1)	VFD (L1)	1	1	1					
3		INTEGRAL			3N2	BK	6 / 40			TB (L2)	VFD (L2)	1	1	1					
4		INTEGRAL			3N3	BK	6 / 40			TB (L3)	VFD (L3)	1	1	1					
5		INTEGRAL				G	6 / 40			CHASSIS GND	VFD (GND)	1	1	1					
6										(CTL BOX EXTERIOR)									
7																			
8		HARNESS 45-42522-239 TO HARNESS 45-42522-242 (PL45)																	
9		INTEGRAL			3M1	BK	13 / 52			VFD (T1)	IBM (T1)	1	1	1					
10		INTEGRAL			3M2	BK	13 / 52			VFD (T2)	IBM (T2)	1	1	1					
11		INTEGRAL			3M3	BK	13 / 52			VFD (T3)	IBM (T3)	1	1	1					
12		INTEGRAL				G	13 / 52			VFD (GND)	IBM (GND)	1	1	1					
13																			
14		AS/45-50202-25	AJ	18/2		R	18"	21684-02	STRIP (1/2)	BR4 (1)	TB3 (BR4)	1	1	1					
15		AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR3 (3)	BR4 (3)	1	1	1					
16		AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR1 (3)	BR2 (3)	1	1	1					
17		AS/45-50207-05	DJ	18/2		BR	4"	18437-01	21684-02	BR2 (3)	BR3 (3)	1	1	1					
18		AS/45-50207-23	AJ	18/2		BR	16"	21684-02	STRIP (1/2)	BR1 (3)	TB2 (C)	1	1	1					
19		AS/45-58285-25	AJ	18/2		W/BK	18"	21684-02	STRIP (1/2)	BR3 (1)	TB2 (W1)	1	1	1					
20		AS/45-58286-23	AJ	18/2		G/BK	16"	21684-02	STRIP (1/2)	BR1 (1)	TB2 (G)	1	1	1					
21		AS/45-52880-25	AJ	18/2		Y/BL	18"	21684-02	STRIP (1/2)	BR2 (1)	TB2 (Y2)	1	1	1					
22		AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR1 (2)	BR2 (2)	1	1	1					
23		AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR2 (2)	BR3 (2)	1	1	1					
24		AS/45-50204-05	DJ	18/2		BL	4"	18437-01	21684-02	BR2 (4)	BR3 (4)	1	1	1					
25		AS/45-50206-05	DJ	18/2		O	4"	18437-01	21684-02	BR3 (2)	BR4 (2)	1	1	1					
26	01	AS/45-50205-09	DJ	18/2		Y	6"	18437-01	21684-02	BR1 (4)	BR4 (4)	1	1	1					
27																			
28		HARNESS 45-42522-244 TO HARNESS 45-42522-241 (CHECK DIAGRAM , PL47)																	
29		INTEGRAL			BR2 (4) 602	GY	20"			BR2 (4)	PL47 (2)	1	1	1					
30		INTEGRAL			BR1 (2) 603	W/BL	20"			BR1 (2)	PL47 (3)	1	1	1					
31		INTEGRAL			BR1 (4) 604	Y	20"			BR1 (4)	PL47 (4)	1	1	1					
32		INTEGRAL			602	GY	14			PL47 (2)	TO VFD	1	1	1					
33		INTEGRAL			603	W/BL	14			PL47 (3)	TO VFD	1	1	1					
34		INTEGRAL			604	Y	14			PL47 (4)	TO VFD	1	1	1					
PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:				116499				PART NO. ADS-105108-10				REV. 02		
	DATE:		3/20/2024		WIRE ROUTING INSTRUCTIONS														
	CHECKED BY:																		
	APPROVED BY:																		
HCY													SHEET. G6A						

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT										
01	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025										
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2090						
								45-	45-	FROM	TO	60 HZ						
												C*R	C*S	C*T				
												D*R	D*S	D*T				
Y*R	Y*S	Y*T																
1		HARNESS 45-109867-10 TO RDS (DANFOSS)																
2		INTEGRAL				R	6"			RDS PIN (1)	J1	1	1	1				
3		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (2)	TB3(24V COM)	1	1	1				
4		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
5		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
6		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (6)	TB2 (R)	1	1	1				
7		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3(24V VAC/VDC)	1	1	1				
8																		
9		HARNESS 45-109867-11 TO RDS (ALTERNATE SENSORS)																
10		INTEGRAL				R	6"			RDS PIN (7)	J1	1	1	1				
11		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (6)	TB3(24V COM)	1	1	1				
12		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
13		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
14		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (3)	TB2 (R)	1	1	1				
15		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3(24V VAC/VDC)	1	1	1				
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PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:		116499		PART NO. ADS-105108-10								REV. 01	
	DATE:		3/15/2024		WIRE ROUTING INSTRUCTIONS													
	CHECKED BY:																	
	APPROVED BY:																	
HCY																	SHEET. G1B	

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT										
01	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025										
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2120						
								45-	45-	FROM	TO	60 HZ						
												C*R	C*S	C*T				
												D*R	D*S	D*T				
Y*R	Y*S	Y*T																
1		HARNESS 45-109867-10 TO RDS SENSOR (DANFOSS)																
2		INTEGRAL				R	6"			RDS PIN (1)	J1	1	1	1				
3		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (2)	TB3 (24V COM)	1	1	1				
4		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
5		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
6		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (6)	TB2 (R)	1	1	1				
7		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V	1	1	1				
8																		
9		HARNESS 45-109867-11 TO RDS (ALTERNATE SENSORS)																
10		INTEGRAL				R	6"			RDS PIN (7)	J1	1	1	1				
11		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (6)	TB3 (24V COM)	1	1	1				
12		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
13		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
14		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (3)	TB2 (R)	1	1	1				
15		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V	1	1	1				
16																		
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PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:				116499				PART NO. ADS-105108-10				REV. 01	
	DATE:		3/15/2024		WIRE ROUTING INSTRUCTIONS													
	CHECKED BY:																	
	APPROVED BY:																	
HCY													SHEET. G2B					

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT										
01	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025										
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2240						
								45-	45-	FROM	TO	60 HZ						
												C*R	C*S	C*T				
												D*R	D*S	D*T				
Y*R	Y*S	Y*T																
1		HARNESS 45-109867-10 TO RDS SENSOR (DANFOSS)																
2		INTEGRAL				R	6"			RDS PIN (1)	J1	1	1	1				
3		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (2)	TB3 (24V COM)	1	1	1				
4		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
5		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
6		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (6)	TB2 (R)	1	1	1				
7		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V VAC/VDC)	1	1	1				
8																		
9		HARNESS 45-109867-11 TO RDS SENSOR (ALTERNATE SENSORS)																
10		INTEGRAL				R	6"			RDS PIN (7)	J1	1	1	1				
11		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (6)	TB3 (24V COM)	1	1	1				
12		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
13		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
14		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (3)	TB2 (R)	1	1	1				
15		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V VAC/VDC)	1	1	1				
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PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:				116499				PART NO. ADS-105108-10				REV. 01	
	DATE:		3/15/2024		WIRE ROUTING INSTRUCTIONS													
	CHECKED BY:																	
	APPROVED BY:																	
HCY													SHEET. G3B					

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT										
01	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025										
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYA2121 / ?HCYA2150 / ?HCYA2180						
								45-	45-	FROM	TO	60 HZ						
												C*R	C*S	C*T				
												D*R	D*S	D*T				
Y*R	Y*S	Y*T																
1		HARNESS 45-109867-10 TO RDS SENSOR (DANFOSS)																
2		INTEGRAL				R	6"			RDS PIN (1)	J1	1	1	1				
3		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (2)	TB3 (24V COM)	1	1	1				
4		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
5		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
6		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (6)	TB2 (R)	1	1	1				
7		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V VAC/VDC)	1	1	1				
8																		
9		HARNESS 45-109867-11 TO RDS (ALTERNATE SENSORS)																
10		INTEGRAL				R	6"			RDS PIN (7)	J1	1	1	1				
11		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (6)	TB3 (24V COM)	1	1	1				
12		INTEGRAL				GY	112"		21684-02	RDS PIN (4)	BR4 (1)	1	1	1				
13		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
14		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (3)	TB2 (R)	1	1	1				
15		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V VAC/VDC)	1	1	1				
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PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:		116499		PART NO. ADS-105108-10								REV. 01	
	DATE:		3/15/2024		WIRE ROUTING INSTRUCTIONS		SHEET. G4B											
	CHECKED BY:																	
	APPROVED BY:																	
HCY																		

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT										
01	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025										
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYP2090						
								45-	45-	FROM	TO	60 HZ						
												C*R	C*S	C*T				
												D*R	D*S	D*T				
Y*R	Y*S	Y*T																
1		HARNESS 45-109867-08 TO RDS (DANFOSS)																
2		INTEGRAL				R	6"			RDS PIN (1)	J1	1	1	1				
3		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (2)	TB3(24V COM)	1	1	1				
4		INTEGRAL				GY	112"		STRIP (1/2)	RDS PIN (4)	TB3(RNC)	1	1	1				
5		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
6		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (6)	TB2 (R)	1	1	1				
7		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3(24V VAC/VDC)	1	1	1				
8																		
9		HARNESS 45-109867-09 TO RDS (ALTERNATE SENSORS)																
10		INTEGRAL				R	6"			RDS PIN (7)	J1	1	1	1				
11		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (6)	TB3(24V COM)	1	1	1				
12		INTEGRAL				GY	112"		STRIP (1/2)	RDS PIN (4)	TB3(RNC)	1	1	1				
13		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
14		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (3)	TB2 (R)	1	1	1				
15		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3(24V VAC/VDC)	1	1	1				
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PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:				116499				PART NO. ADS-105108-10				REV. 01	
	DATE:		3/15/2024		WIRE ROUTING INSTRUCTIONS													
	CHECKED BY:																	
	APPROVED BY:																	
HCY													SHEET. G5B					

RHEEM MANUFACTURING CO.				AIR CONDITIONING DIVISION				RESEARCH & DEVELOPMENT DEPARTMENT										
01	ADDED Y*R, Y*S AND Y*T FOR 60 HZ COLUMN.						MAB	122904 1/27/2025										
LINE	REV.	AS-/45-	I.D.	INSULATIO N/AWG.	LABEL	COLOR	LENGTH	TERMINAL		WIRE ROUTING		?HCYP2120						
								45-	45-	FROM	TO	60 HZ						
												C*R	C*S	C*T				
												D*R	D*S	D*T				
Y*R	Y*S	Y*T																
1		HARNESS 45-109867-08 TO RDS SENSOR (DANFOSS)																
2		INTEGRAL				R	6"			RDS PIN (1)	J1	1	1	1				
3		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (2)	TB3 (24V COM)	1	1	1				
4		INTEGRAL				GY	112"		STRIP (1/2)	RDS PIN (4)	TB3 (RNC)	1	1	1				
5		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
6		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (6)	TB2 (R)	1	1	1				
7		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V VAC/VDC)	1	1	1				
8																		
9		HARNESS 45-109867-09 TO RDS (ALTERNATE SENSORS)																
10		INTEGRAL				R	6"			RDS PIN (7)	J1	1	1	1				
11		INTEGRAL				BR	112"		STRIP (1/2)	RDS PIN (6)	TB3 (24V COM)	1	1	1				
12		INTEGRAL				GY	112"		STRIP (1/2)	RDS PIN (4)	TB3 (RNC)	1	1	1				
13		INTEGRAL				R	6"			RDS PIN (5)	J1	1	1	1				
14		INTEGRAL				R	112"		STRIP (1/2)	RDS PIN (3)	TB2 (R)	1	1	1				
15		INTEGRAL				R	106"		STRIP (1/2)	J1	TB3 (24V VAC/VDC)	1	1	1				
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PROD. CLASS	DRAWN BY:		AHT		ORIGINAL RELEASE NUMBER:				116499				PART NO. ADS-105108-10				REV. 01	
	DATE:		3/15/2024		WIRE ROUTING INSTRUCTIONS													
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	APPROVED BY:																	
HCY															SHEET. G6B			