



MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

Marco Bldg., 12 Matatag St., Brgy. Pinyahan, Diliman, Quezon City

Tel. Nos.: 8922-3504, 8922-7365 • Fax No.: 8920-4598

Email: marco_hvac@yahoo.com

DENR MIMAROPA RECORDS SECTION RECEIVED	
JUL 14 2023	
☐ INCOMING	☐ OUTGOING
BY: _____	DATE NO. _____
TIME: _____	

July 13, 2023

MS. LORMELYNE E. CLAUDIO, CESO IV
REGIONAL EXECUTIVE DIRECTOR
DENR MIMAROPA REGION
5/F 1515 L & S Bldg., Roxas Blvd. Ermita, Manila

**RE: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV - MIMAROPA**

Dear Ma'am,

This is to request from your good office the Refund of Retention Money amounting to Four Thousand Seven Hundred Ninety Three Pesos & 61/100 only (P 4,793.61).

Attached herewith are the photocopies of the following documents for your immediate reference:

- Purchase Order No. RA-2022-05-039-AD
- Sales Invoice No. 15459
- Collection Receipt No. 2849
- Disbursement Order No. 2022-05-0327

Respectfully yours,


ANTONETTE L. DEL FIN
Finance Manager

JO# 231-22

PURCHASE ORDER DENR MIMAROPA

Entity Name

MAINTENANCE OF AIR CONDITIONING & REFRIGERATION (MARCO) CO., INC.	P.O. No. : R4-2022-05-038-AD
#12 Matandang St. Brgy. Pinyahan, Quezon City	Date : <u>MAY 05 2022</u>
	Mode of Procurement : <u>Direct Purchase</u>

en:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Delivery : 5/F 1515 L&S Bldg Roxas Blvd Ermita Manila

Delivery Term: Door to Door

Delivery : 30 days upon receipt of P.O

Payment Term : Government Term

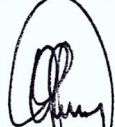
Qty No.	Unit	Description	Quantity	Unit Cost	Amount
	unit	3.0 TR Floor Mounted Inverter Air-conditioner	3	119,507.53	358,522.59
	unit	Air-conditioning Window Type 2.0 HP, Inverter	2	60,419.00	120,838.00
					479,360.59

Amount in Words) **Four Hundred Seventy-Nine Thousand Three Hundred Sixty Pesos and Fifty-Nine Cents Only**

in case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay imposed on the undelivered item/s.

Warranty shall be for a minimum period of three (3) months for Expendable Supplies and a minimum of one (1) year for Non-expendable supplies, from date of acceptance by the DENR MIMAROPA authorized signatory. The obligation for the warranty shall be covered by retention equivalent to at least one percent (1%) of the total contract price, and shall be released after the lapse of the warranty period or, in the case of expendable supplies, after the consumption thereof, upon receipt of request for refund of the retention.

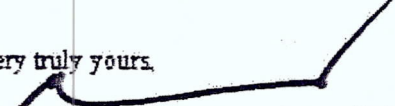
Conforme:


OLIVER T. DUNA
Signature over Printed Name of Supplier

MAY 19, 2022

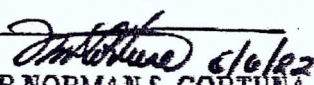
Date

Very truly yours,


LORMELYN E. CLAUDIO, CESO IV
Signature over Printed Name of Authorized
Official
Regional Executive Director
Designation

Registered :

Available :


NAZAR NORMAN S. CORTUNA
Signature over Printed Name of Chief Accountant/Head of Accounting
Division/Unit

ORS/BURS No. : 2022-05-0327Date of the ORS/BURS: May 5/22Amount : 479,360.59

NOTICE TO PROCEED
R4-NTP-038-2022

MAY 06 2022

MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.
#12 Matatag St. Brgy. Pinyahan
Quezon City

REFERENCE:

RFQ/RFP No. : **R4-RFQ-055-04-2022**

Project : **Purchase and Installation of 3 Tonner & Window Type Airconditioning Units**

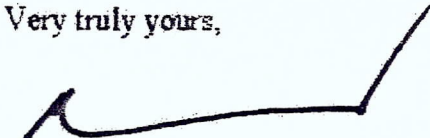
Contract Price : **P 479,360.59**

Dear Sir/Madam:

Please be advised that the above project has been approved and issued Notice of Award. You are hereby required to proceed in accordance with the terms specified in the Purchase Order within seven (7) days upon receipt of this notice.

Kindly acknowledge receipt and acceptance of this notice by signing the copies in the space provided below. Keep one copy and return the original to the Department of Environment and Natural Resources MIMAROPA Region.

Very truly yours,


LORMELYN E. CLAUDIO, CESO IV
Regional Executive Director

Name of the Representative of the Bidder :

OLIVERIO H. OUYA

Authorized Signature :

Date :

MAY 19, 2022

NOTICE OF AWARD

R4-NOA-038-2022

MAY 07 2022

MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.
#12 Matatag St. Brgy. Pinyahan
Quezon City

REFERENCE:

RFQ/RFP No. : R4-RFQ-055-04-2022

Project : Purchase and Installation of 3 Tonner & Window Type Airconditioning Units
Contract Price : ₱ 479,360.59

Sir/Madam;

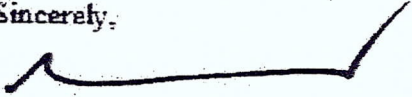
Notice is hereby awarded to **MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.** that your quotation for the abovementioned requirement is hereby accepted and approved.

Kindly affix your signature on the space provided below to indicate your formal acceptance of the award. You are hereby required within seven (7) days upon the receipt of this notice to formally enter into a contract with us.

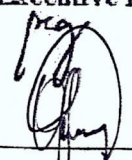
Failure to enter into contract with us shall constitute a sufficient ground for cancellation of this award and imposition of appropriate sanctions.

Please return the original copy of this Notice to the DENR MIMAROPA Region BAC Secretariat within two (2) calendar days from receipt hereof for contract preparation.

Sincerely,


LORMELYN E. CLAUDIO, CESO IV
Regional Executive Director

CONFORME:



OLIVERT J. DUHA

MAY 19, 2022



MAIN FINANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

12 MATATAG ST., BRGY. PINYAHAN, DILIMAN, QUEZON CITY

Tel. Nos.: 922-3504, 922-7365 • Fax No.: 920-4598

Email: marco_hvac@yahoo.com • VAT REG. TIN: 000-356-826-000

SALES INVOICE

☐ CASH ☐ CHARGE

Nº 15459

SOLD TO: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES Date: June 6, 2022

TIN: REGION IV - MIMAROPA Terms:

Business Style: 000-535-643-043 P. O. No.:

Address: 5/F 1515 L & S Bldg., Roxas Blvd. Ermita Manila Ref. No.:

QTY. /UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
	IO# 231-22		
	RE: AIRCONDITIONING REQUIREMENTS		
	Supply, Delivery, Installation and Commissioning of Airconditioning Units as follows:		
3 sets	Koppel Brand Floor Mounted Inverter Type A/C Unit, 3.0TR capacity complete with matching accu and other standard accessories. Unit will operate at 230 volts, 1 phase, 60hz power supply @ P 119,507.53/set..... P		358,522.59
2 units	Carrier Brand Window Type Room Airconditioner Inverter Type 2.0HP capacity complete with operational manual & other standard accessories. Unit will operate at 230 volts, 1 phase, 60hz power supply @ P 60,415.00/unit..		120,830.00
	Total amount..... P		479,350.59
	Reference:	Total Sales (VAT Inclusive)	
	See attached Purchase Order No. R4-20200-05-039-AD/Notice of Award/	Less: VAT	
VATable Sales	Notice to Proceed/ Delivery Receipts and Certificate of Acceptance with Turnover.	Amount: Net of VAT	
VAT-Exempt Sales		Less: Discount	
Zero Rated Sales		Amount Due	428,000.53
VAT Amount		Add VAT	51,350.06
		TOTAL AMOUNT DUE	479,350.59

Interest at the rate of 12% per annum will be charge on all overdue accounts. In case of litigation, Buyer will pay 25% of amount claimed for attorney's fee plus cost and legal expenses. Merchandise after accepted by the Buyer in good order and condition, Seller's responsibility ceases.

30 Bkts. (50x4) 14751-16250
BIR Authority to Print No. 3AU0001539480
Date Issued: 04-18-2018. Valid Until: 04-17-2023
CORAL CREATIVE GRAPHICS
RAFAEL R. CORAL - Prop.
Phase 5 Bldg. 39 Lot 12-A Centella Homes, San Isidro
Rodriguez Rizal • Mobile No.: 0921-3222616
VAT REG. TIN: 235-820-027-000 • Tel. #: 982-1573
Printer's Accreditation No. 045MP20140000000045
Date Issued: 01-10-2014

Prepared by: ANTONETTE L. DEL FIN
Approved by:

Received the above goods in good order and condition.

By: RAYHAEL 6.21.22
Customer Signature Over Printed Name

"THIS SALES INVOICE SHALL BE VALID FOR FIVE(5) YEARS FROM THE DATE OF ATP"

INVOICE NO.	AMOUNT
for 506	21,400.03
for 170	4,280.01
for 170	4,793.01
TOTAL AMOUNT DUE ₱ 440,886.94	
FORM OF PAYMENT	
CASH	₱
CHECK	
CHECK NO.	
BANK	
CHECK DATE	
TOTAL AMOUNT ₱ 440,886.94	



MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

12 MATATAG ST., BRGY. PINYAHAN, DILIMAN, QUEZON CITY

Tel. Nos.: 922-3504, 922-7365 • Fax No.: 920-4598

Email: marco_hvac@yahoo.com • VAT REG. TIN: 000-356-826-000

COLLECTION RECEIPT

**"THIS DOCUMENT IS NOT VALID
FOR CLAIM OF INPUT TAX"**

№ 2849

Date: July 20, 2022

RECEIVED from DENIR MIMAROPA

with Address at L 2 S, 1515 Roxas Blvd. Ermita, Manila

engaged in the Business style of

with TIN 000-535-643-0043

the sum of pesos Four hundred forty eight thousand
eight hundred eighty six & 94/100 (P 448,886.94)

In partial / full payment for

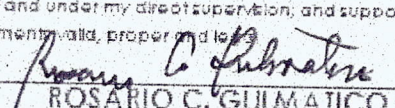
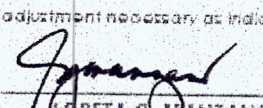
30 Bkts. (50x4). 2001-3500
BIR Authority to Print No. 3AU0001539480
Date Issued: 04-18-2018: Valid Until: 04-17-2023
CORAL CREATIVE GRAPHICS
RAFAEL R. CORAL - Prop.
Phase 5 Bldg. 39 Lot 12-A Centella Homes, San Isidro
Rodriguez Rizal • Mobile No.: 0921-2222616
VAT REG. TIN: 235-820-027-000 • Tel. #: 822-1573

By: ANAN / CANETE
Cashier/Authorized Representative

Printer's Accreditation No. 045MP20140000000045
Date Issued: 01-10-2014

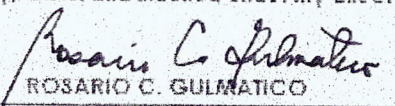
"THIS COLLECTION RECEIPT SHALL BE VALID FOR FIVE(5) YEARS FROM THE DATE OF ATP"

OBLIGATION REQUEST AND STATUS		No. : 2022-05 0327
Department of Environment and Natural Resources		Date: May 5, 2022
1515 IAS Building Roxas Boulevard Ermita, Manila		Fund: 161
Payee Office	MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.	
Address	#12 Matalag St. Brgy. Pinyahan, Quezon City	
Responsibility Center	Particulars	MFO/PAP/KRA UACS Code/Expenditure Amount
	For the payment of P.O No. R4-2022-05-038-AD in the amount of...	1000000000 5060 4050-02 P 479,360.59
CHARGE TO :	(initial of sector)	
	Total	

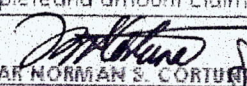
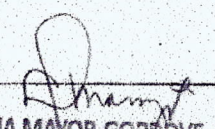
A. Certified: Charges to appropriation/allocation necessary, lawful and under my direct supervision, and supporting documents valid, proper and complete.	B. Certified: Allotment available and obligated for the purpose/adjustment necessary as indicated above.
Signature:  Printed Name: ROSARIO C. GULMATICO Position: Chief, Administrative Division	Signature:  Printed Name: LORETA G. MANZANO Position: Head, Budget Unit/Authorized Rep.

STATUS OF OBLIGATION							
Reference			Amount				
Date	Particulars	ORS/NEV/POI/ RADAI No.	Obligation	Payable	Payment	Balance	
						Not yet due	Due & Demandable
01/01/2018							
02/01/2018							
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16/09/2018							

Department of Environment and Natural Resources		Fund Cluster:
DISBURSEMENT VOUCHER		Date: 2022-05-05
		DV No: 2022-05-505
Mode of Payment	MDS Check ☐ Commercial Check ☐ ADA ☐ Others (Please specify) _____	
Payee	MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.	
Address	#12 Matalag St. Brgy. Pinyahan, Quezon City Binondo, Manila	
PARTICULARS	Responsibility Center	MFO/PAP
For the payment of P.O No. R4-2022-05-038-AD in the amount of...		479,360.59

A. Certified: Expenses, Cash Advance necessary, lawful and incurred under my direct supervision.	5% 21,400.03
 ROSARIO C. GULMATICO Chief, Administrative Division	1% 4,280.01

B. Accounting Entry:	Account Title	UACS Code	Debit	Credit
		10605020	P 479,360.59	
		20201010		P 25,680.04
		20404040		1,773.61
		10104040		448,886.94

C. Certified: Cash Available		D. Approved for Payment	
Subject to authority to debit Account (when applicable) supporting documents complete and amount claimed proper			
SIGNATURE		SIGNATURE	
Printed Name	NAZAR NORMAN S. CORTUN	Printed Name	DONNA MAYOR-GORDOVE, CESO IV
Position	Chief, Accounting Section	Position	Asst. Regional Director Management Services
Date	Head, Accounting Unit/Authorized Representative	Date	Agency Head/Authorized Representative

E. Receipt of Payment		JEV NO.
Check/ADA No.:	Date:	Bank Name & Account Number:
Signature:	Date:	Printed Name:
Official Receipt No. & Date/Other Documents		Date:

DENR MIMAROPA REGION
FINANCE DIVISION
RECEIVED
JUN 5 2022

PAID
LDDAP/Check No. 6-29-2022
Date: 4-29-2022
Amount: 448,886.94

W/2202

Printer's Accreditation No. 045MP20180000000001
Date of Accreditation: December 03, 2018

Date of Accreditation: December 03, 2018

MAINTENANCE OF AIR-CONDITIONING & REFRIGERATION (MARCO) CO., INC.

12 MATATAG ST., BRGY. PINYAHAN, DILIMAN, QUEZON CITY

Tel. Nos.: 8922-3504, 8922-7365 • Fax No.: 8920-4598

Email: marco_hvac@yahoo.com • VAT REG. TIN: 000-356-826-000

DELIVERY RECEIPT

№ 22262 *Chaf*

May 25, 2022

DELIVERED TO: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES -
REGION IV MIMAROPA DATE: _____

ADDRESS: 1515 L and S Bldg., Roxas Blvd., Ermita Manila

INVOICE NO.: _____

BUS. STYLE: _____ TIN: _____ YOUR ORDER NO.: **231-22**

[illegible]

MIS NO. 57662

Our responsibility ceases when merchandise is delivered to carrier in good order. Claims for loss and/ or damages should be made against the transportation company.

PREPARED BY

CREDIT APPROVED :

QUALITY APPROVED :

RELEASED BY :

200 Bkts. (50x4) 20001-30000

BIR Authority to Print No. 3AU0001793003

Date Issued: 03-11-2020: Valid Until: 03-10-2025

CORAL CREATIVE GRAPHICS
Phase 5 Bldg. 39 Lot 12-A Centella Homes, San Isidro

Phase 5 Blk. 39 Lot 12-A Centella Homes
Rodriguez Bizal • Mobile: 0921-3222616

VAT REG. TIN: 235-820-027-000

Received above complete and in good condition
under the terms stated above.

CUSTOMER: PHILIP DE GUZMAN

BY: Y

DATE: 08.28.2022

"THIS DOCUMENT IS NOT VALID FOR CLAIM OF INPUT TAX"

"THIS DELIVERY RECEIPT SHALL BE VALID FOR FIVE(5) YEARS FROM THE DATE OF ATP"

Printer's Accreditation No. 045MP20180000000001

Date of Accreditation: December 03, 2018



MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

Marco Bldg., 12 Matatag St., Brgy. Pinyahan, Diliman, Quezon City

Tel. Nos.: 8922-3504, 8922-7365 • Fax No.: 8920-4598

Email: marco_hvac@yahoo.com

June 03, 2022

CERTIFICATE OF ACCEPTANCE AND CONFORMITY OF WORK

This is to certify that Maintenance of Air-conditioning and Refrigeration (MARCO) Co., Inc. has satisfactorily completed the Installation of 3 Sets - 3.0TR Floor Mounted Inverter Type Koppel Brand Air-conditioning Units and 2 Units - 2.0HP Window Type Room Air-conditioner Inverter Type with LCD Remote Control Carrier Brand at Department of Environment and Natural Resources - Region IV MIMAROPA in 1515 L and S Bldg., Roxas Blvd., Ermita, Manila on June 03, 2022 in accordance with the approved plans and specification.

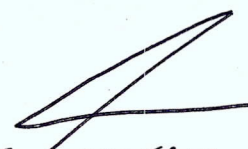
Prepared by:

Accepted By:


EDWIN L. FLORES

Installation Dept.

J.O. No. 231-22


JESSE CARITATIVO

(Authorized Signature)

Date: JUNE 03, 2022



MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

Marco Bldg., 12 Matatag St., Brgy. Pinyahan, Diliman, Quezon City

Tel. Nos.: 8922-3504, 8922-7365 • Fax No.: 8920-4598

Email: marco_hvac@yahoo.com

June 03, 2022

CUSTOMER : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA
1515 L and S Bldg., Roxas Blvd., Ermita, Manila

Project Name : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA
1515 L and S Bldg., Roxas Blvd., Ermita, Manila

Subject : Turnover for the installation of 3 Sets – 3.0TR Floor Mounted Inverter Type
Koppel Brand Air-conditioning Units with the following model and serial numbers.

FCU MODEL	FCU SERIAL NO.	ACCU MODEL	ACCU SERIAL NO.
KV36FM1-ARF21C2	211054-00245	KV36ODU-ARF21C	211055-00565
KV36FM1-ARF21C2	211054-00300	KV36ODU-ARF21C	211055-00546
KV36FM1-ARF21C2	211054-00333	KV36ODU-ARF21C	211055-00547

Dear Sir/Madam:

We are pleased to turn over the above mentioned air-conditioning unit which has been operating under normal condition since June 03, 2022 and after thorough observation found out to functioning satisfactorily.

As stipulated in our contract, we will furnish the said unit a free services and maintenance warranty for a period of one (1) year. Defects and burning out of motors due to negligence of your operation or due to abnormal voltage fluctuations are not included in this guaranty.

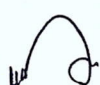
In case of trouble, please feel free to call MARCO INCORPORATED, with telephone nos. (02) 8922 – 3504 and 8922 – 7365.

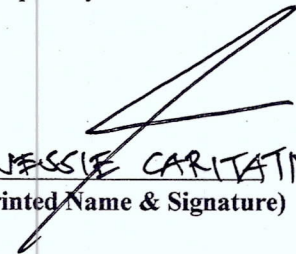
WARRANTY PERIOD

Compressor : June 03, 2022 to June 03, 2023
Parts and Services : June 03, 2022 to June 03, 2023

Very truly yours,

Accepted by:


EDWIN L FLORES
Installation Dept.


JESSIE CARITATIVO
(Printed Name & Signature)

J.O. No. 231-22



MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

Marco Bldg., 12 Matatag St., Brgy. Pinyahan, Diliman, Quezon City

Tel. Nos.: 8922-3504, 8922-7365 • Fax No.: 8920-4598

Email: marco_hvac@yahoo.com

June 03, 2022

WARRANTY CERTIFICATE

MAINTENANCE OF AIR-CONDITIONING & REFRIGERATION (MARCO) CO., INC. guarantees the KOPPEL Brand air-conditioning equipment supplied to your company as follows: One (1) year on compressor and one (1) year mechanical defects from the date of delivery.

Customer : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA
1515 L and S Bldg., Roxas Blvd., Ermita, Manila

Project Name : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA
1515 L and S Bldg., Roxas Blvd., Ermita, Manila

WARRANTY PERIOD

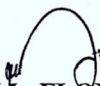
Compressor : June 03, 2022 to June 03, 2023
Parts and Services : June 03, 2022 to June 03, 2023

UNIT DELIVERED AND INSTALLED

KOPPEL BRAND FLOOR MOUNTED INVERTER TYPE 3 SETS – 3.0TR CAPACITY
FCU MODEL: KV36FM1-ARF21C2, ACCU MODEL: KV36ODU-ARF21C,
UNIT WILL OPERATE AT 230V, 1PHASE, 60HZ POWER SUPPLY COMPLETE WITH
OPERATIONAL MANUAL AND STANDARD ACCESSORIES.

FCU SERIAL NO.	ACCU SERIAL NO.
211054-00245	211055-00565
211054-00300	211055-00546
211054-00333	211055-00547

In case of breakdown, please feel free to call us at (02) 8922 – 7365 and 8922 – 3504.


EDWIN L. FLORES
Installation Dept.

J.O. No. 231-22



MAINTENANCE OF AIRCONDITIONING & REFRIGERATION (MARCO) CO., INC.

Marco Bldg., 12 Matatag St., Brgy. Pinyahan, Diliman, Quezon City

Tel. Nos.: 8922-3504, 8922-7365 • Fax No.: 8920-4598

Email: marco_hvac@yahoo.com

June 03, 2022

WARRANTY CERTIFICATE

MAINTENANCE OF AIR-CONDITIONING & REFRIGERATION (MARCO) CO., INC. guarantees the CARRIER Brand air-conditioning equipment supplied to your company as follows: Five (5) years on compressor and one (1) year on mechanical defects from the date of delivery.

Customer : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA
1515 L and S Bldg., Roxas Blvd., Ermita, Manila

Project Name : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA
1515 L and S Bldg., Roxas Blvd., Ermita, Manila

WARRANTY PERIOD

Compressor	:	June 03, 2022 to June 03, 2027
Parts and Services	:	June 03, 2022 to June 03, 2023

UNIT DELIVERED

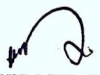
CARRIER BRAND WINDOW TYPE ROOM AIR-CONDITIONER INVERTER TYPE
2 UNITS – 2.0HP CAPACITY WITH LCD REMOTE CONTROL
MODEL: WCARH019EEV

UNIT WILL OPERATE AT 230V, 1PHASE, 60HZ POWER SUPPLY COMPLETE WITH
OPERATIONAL MANUAL AND
OTHER STANDARD ACCESSORIES.

S E R I A L N U M B E R

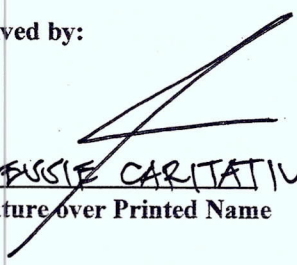
⚡ 0922-0055119
⚡ 0922-0055123

In case of breakdown, please feel free contact us at (02) 8922 – 7365 and 8922 – 3504


EDWIN FLORES
Installation Dept.

J.O. No. 231-22

Received by:


JESSIE CARITATIVO
Signature over Printed Name



Koppel Inc.

Unit Conversion

INCH	MM	INCH	MM	INCH	MM	AWG	SQ. MM	AWG	SQ. MM
1/2"	12.7	5/8"	15.88	1 1/2"	38.1	4	21.2	10	5.26
1/4"	6.35	3/4"	19.05	1 1/8"	28.58	6	13.3	12	3.31
3/8"	9.53	7/8"	22.23			8	8.36	14	2.08

Ground Floor Hyatt Center Building, Ba.
Wack-wack, Ortigas Avenue, Mandaluyong City,
Tel. 823-8883 loc. 316-318

START UP DATA SHEET

CUSTOMER'S NAME: DEPARTMENT OF ENVIRONMENT & NATURAL RESOURCES DATE OF PURCHASE: MAY -20 -2022

ADDRESS: REGION IV MIMAROPA - ILOILO AND S. BLDG. DATE OF START UP: JUNE 03 2022

NEAR BLVD. EXHIBIT HALL TIME:

INDOOR UNIT MODEL: 1. FV30VPH1-APF21C2 SERIAL NUMBER 1: 211055-00345 CONTACT NUMBER: 43-2-70023114

2. SERIAL NUMBER 2: CUSTOMER EMAIL:

3. SERIAL NUMBER 3:

4. SERIAL NUMBER 4:

OUTDOOR UNIT MODEL: 1. KV240DV-APF21C SERIAL NUMBER 1: 211055-00165

2. SERIAL NUMBER 2:

BASIC SPLIT TYPE UNIT
INVERTER SPLIT TYPE UNIT
SUPER MULTI SPLIT OR IMATCH
DUAL OUTDOOR UNIT

OPERATING PARAMETERS

ITEM NO.	OPERATING PRESSURE		INDOOR AIR TEMPERATURE		OUTDOOR AIR TEMPERATURE	PIPE TEMPERATURE		OUTDOOR TEMP (°C) (T4)	INDOOR TEMP (°C)	POWER SUPPLY VOLTAGE (ACCU)				POWER SUPPLY CURRENT		
	DISCHARGE (liquid) (psig)	SUCTION (gas) (psig)	RETURN AIR (°C) (T1)	SUPPLY AIR (°C)	IN (°C) (T4)	DISCHARGE TEMP (°C) (T5)	SUCTION TEMP (°C)			LINE 1 (volts)	LINE 2 (volts)	LINE 3 (volts)	LINE 3 (volts)	LINE 1 (A)	LINE 2 (A)	LINE 3 (A)
1		130	32	12	30	33	10	36	22	225	112			15	16	
2																
3																
4																

INSTALLATION DATA

ITEM NO.	PIPE DIAMETER			PIPE LENGTH					ADDITIONAL CHARGE		PIPE INSULATION		BREAKER SIZE (amperes)	WIRE SIZES (mm2) ONLY			(LOAD SIDE)
	DISCHARGE (liquid) (mm)	SUCTION (gas) (mm)	DRAIN (mm)	TOTAL PIPE LENGTH	NUMBER OF OIL TRAP	DRAIN		REFRIGERANT (Kilogram)	OIL (Oz)	REFRIGERANT LINE (mm) (Diameter x Thickness)	DRAIN LINE (mm)						
						VERTICAL PIPE (m)	HORIZONTAL PIPE (m)					LENGTH (m)		P-TRAP / RISER			
1	9.53	15.88	19.45	2m	2	40A	3m	14A	14A	14A	19.45	14A	40	5.5	2.0		APPROVED #15 20074
2																	

COMPANY NAME OF A/C UNIT DEALER: MARLO Please read: 1.) Unit or System is to 1 start up data sheet form only

COMPANY NAME OF A/C UNIT KASDI: 2.) Mark N/A if not applicable

NAME OF KASDI & SIGNATURE: J. B. B. B. 3.) SUDS shall be register @ <http://support.koppel.ph/kasdi/login>

CONTACT NO. OF KASDI: Your privacy is as important to us as it is to you.

CUSTOMER'S NAME: JESSE CARITIVO We treat the information you provides with highest level of integrity and responsibility. We will not sell nor disclose.

(signature over printed name/ date) 06-03-2022

Effectivity Date: Thursday, August 1, 2019

Ground Floor Hyatt Center Building, Bar,
Wack-wack, Ortigas Avenue, Mandaluyong City
Tel. 823-8883 loc. 316-318

Unit Conversion									
INCH	MM	INCH	MM	AWG	SQ. MM	AWG	SQ. MM	AWG	SQ. MM
1/2"	12.7	5/8"	15.88	4	21.2	10	5.26		
1/4"	6.35	3/4"	19.05	6	13.3	12	3.31		
3/8"	9.53	7/8"	22.23	8	8.36	14	2.08		

Koppel Inc.

START UP DATA SHEET

CUSTOMER'S NAME: DEPT. OF ENVIRONMENT AND NATURAL RESOURCES REGION 14 DATE OF PURCHASE: MAY -20-2023
ADDRESS: MILAGRO, RILE L. AND S. BLDG FOXAS BLVD. SMITHA FLA. DATE OF START UP: JUNE 03 2023

TIME:

CONTACT NUMBER: 43-2-70023114
CUSTOMER EMAIL:

SERIAL NUMBER 1: 21024-00300

SERIAL NUMBER 2:

SERIAL NUMBER 3:

SERIAL NUMBER 4:

SERIAL NUMBER 1: 211024-00446

SERIAL NUMBER 2:

INDOOR UNIT MODEL: 1. EV360DU-ATF2C

2.

(For Super Multi Split
or IMATCH)

OUTDOOR UNIT MODEL: 1. EV360DU-ATF2C

2.

(For Dual Outdoor)

☐	BASIC SPLIT TYPE UNIT
☐	INVERTER SPLIT TYPE UNIT
☐	SUPER MULTI SPLIT OR IMATCH
☐	DUAL OUTDOOR UNIT

OPERATING PARAMETERS

ITEM NO.	OPERATING PRESSURE		INDOOR AIR TEMPERATURE		OUTDOOR AIR TEMPERATURE		PIPE TEMPERATURE		INDOOR TEMP (°C)	POWER SUPPLY VOLTAGE (ACCU)			POWER SUPPLY CURRENT (ACCU)		
	DISCHARGE (liquid) (psig)	SUCTION (gas) (psig)	RETURN AIR (°C) (T1)	SUPPLY AIR (°C)	IN (°C) (T4)	OUT (°C)	DISCHARGE TEMP (°C) (T5)	SUCTION TEMP (°C)		LINE 1 (volts)	LINE 2 (volts)	LINE 3 (volts)	LINE 1 (A)	LINE 2 (A)	LINE 3 (A)
1		120	24	11	30	41	89	9	22	230	112		15.1	14.9	
2															
3															
4															

INSTALLATION DATA

ITEM NO.	PIPE DIAMETER		PIPE LENGTH			ADDITIONAL CHARGE		PIPE INSULATION		BREAKER SIZE (amperes)		WIRE SIZES (mm2) ONLY		WIRE SIZES (mm2) ONLY	
	DISCHARGE (liquid) (mm)	SUCTION (gas) (mm)	DRAIN	NUMBER OF OIL TRAP	LENGTH (m)	REFRIGERANT (Kilogram)	OIL (Oz)	REFRIGERANT LINE (mm) (Diameter x Thickness)	DRAIN LINE (mm)			SUPPLY WIRE @ ckt breaker	TRANSMISSION WIRE (FCU TO ACCU)	SUPPLY WIRE @ ckt breaker	TRANSMISSION WIRE (FCU TO ACCU)
1	9.53	15.88	30	7	NA	150	144	19.05	14.4	40	40	5.5	2.0	5.5	2.0
2															

COMPANY NAME OF A/C UNIT DEALER: MARCO INC

COMPANY NAME OF A/C UNIT KASDI: NA

NAME OF KASDI & SIGNATURE: NA

CONTACT NO. OF KASDI: NA

CUSTOMER'S NAME: JESSE CARPATIVO

(signature over printed name/ date)

06-03-22

Effectivity Date:

KI-SV-F005, REV.05

STAMP COMPANY SEAL HERE:

Please read:

1.) 1 Unit or System is to 1 start up data sheet form only

2.) Mark N/A if not applicable

3.) SUDS shall be register @ <http://support.koppel.ph/kasdi/login>

Your privacy is as important to us as it is to you.

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of integrity and responsibility. We will not sell nor disclose.

email names for outside use

Thursday, August 1, 2019



Koppel Inc.

Unit Conversion

INCH	MM	INCH	MM	INCH	MM	AWG	MM	AWG	MM
1/2"	12.7	5/8"	15.88	1 1/2"	38.1	4	21.2	10	5.26
1/4"	6.35	3/4"	19.05	1 1/8"	28.58	6	13.3	12	3.31
3/8"	9.53	7/8"	22.23			8	8.36	14	2.08

Ground Floor Hyatt Center Building, Bara,
Wack-wack, Ortigas Avenue, Mandaluyong City
Tel. 823-8883 loc. 316-318

START UP DATA SHEET

CUSTOMER'S NAME: DEPT. OF ENVIRONMENT AND NATURAL RESOURCES, REGION 10 DATE OF PURCHASE: MAY-20-2023

ADDRESS: 14 MINAROP - FELT LANDS BLDG. NO. 26 BLDG. QUEZON CITY

INDOOR UNIT MODEL: 1. FX36FH1-AR12C SERIAL NUMBER 1: 211014-00333

2. _____ SERIAL NUMBER 2: _____

3. _____ SERIAL NUMBER 3: _____

4. _____ SERIAL NUMBER 4: _____

OUTDOOR UNIT MODEL: 1. FX360000-ATF21C SERIAL NUMBER 1: 211015-00547

2. _____ SERIAL NUMBER 2: _____

(For Super Multi Split or IMATCH)

DATE OF START UP: MAY 03 2023

TIME: _____

CONTACT NUMBER: 02-2-700 23 114

CUSTOMER EMAIL: _____

BASIC SPLIT TYPE UNIT _____

INVERTER SPLIT TYPE UNIT _____

SUPER MULTI SPLIT OR IMATCH _____

DUAL OUTDOOR UNIT _____

OPERATING PARAMETERS

ITEM NO.	OPERATING PRESSURE		INDOOR AIR TEMPERATURE		OUTDOOR AIR TEMPERATURE		PIPE TEMPERATURE		INDOOR TEMP (°C) (T4)	POWER SUPPLY VOLTAGE (ACCU)				POWER SUPPLY CURRENT (ACCU)		
	DISCHARGE (liquid) (psig)	SUCTION (gas) (psig)	RETURN AIR (°C) (T1)	SUPPLY AIR (°C)	IN (°C) (T4)	OUT (°C)	DISCHARGE TEMP (°C) (T5)	SUCTION TEMP (°C)		LINE 1 (volts) LINE 2 (volts) LINE 3 (volts)	LINE 1 (volts) LINE 2 (volts) LINE 3 (volts)	LINE 1 (volts) LINE 2 (volts) LINE 3 (volts)	LINE 1 (volts) LINE 2 (volts) LINE 3 (volts)	LINE 1 (A) LINE 2 (A) LINE 3 (A)	LINE 1 (A) LINE 2 (A) LINE 3 (A)	LINE 1 (A) LINE 2 (A) LINE 3 (A)
1	130	120	24	12	30	40	88	10	22	225	12	14.7	15.1			
2																
3																
4																

INSTALLATION DATA

ITEM NO.	PIPE DIAMETER		TOTAL PIPE LENGTH		PIPE LENGTH		DRAIN		ADDITIONAL CHARGE		PIPE INSULATION		BREAKER SIZE (amperes)		WIRE SIZES (mm2) ONLY	
	DISCHARGE (liquid) (mm)	SUCTION (gas) (mm)	VERTICAL PIPE (m)	HORIZONTAL PIPE (m)	NUMBER OF OIL TRAP	LENGTH (m)	P-TRAP / RISER	REFRIGERANT (kilogram)	OIL (Oz)	REFRIGERANT LINE (mm) (diameter x thickness)	DRAIN LINE (mm)	BREAKER SIZE (amperes)	SUPPLY WIRE @ ckt breaker	TRANSMISSION WIRE (FCU TO ACCU)	SUPPLY WIRE @ ckt breaker	COMMUNICATION WIRE (Signal)
1	9.53	15.88	2m	0	1A	3	1A	1A	1A	19.05	1A	40	2.5	2.0	2.5	2.0
2																

COMPANY NAME OF A/C UNIT DEALER: MARCO

COMPANY NAME OF A/C UNIT KASDI: P. BERNARD

NAME OF KASDI & SIGNATURE: _____

CONTACT NO. OF KASDI: _____

CUSTOMER'S NAME: JEFFREY CARITATIVO

(signature over printed name/ date)

06-03-22

Effectivity Date: Thursday, August 1, 2019

STAMP COMPANY SEAL HERE:

Please read:

1.) Unit or System is to 1 start up data sheet form only

2.) Mark N/A if not applicable

3.) SUDS shall be register @ <http://support.koppel.ph/kasdi/login>

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of integrity and responsibility. We will not sell nor disclose.

email names for outside use

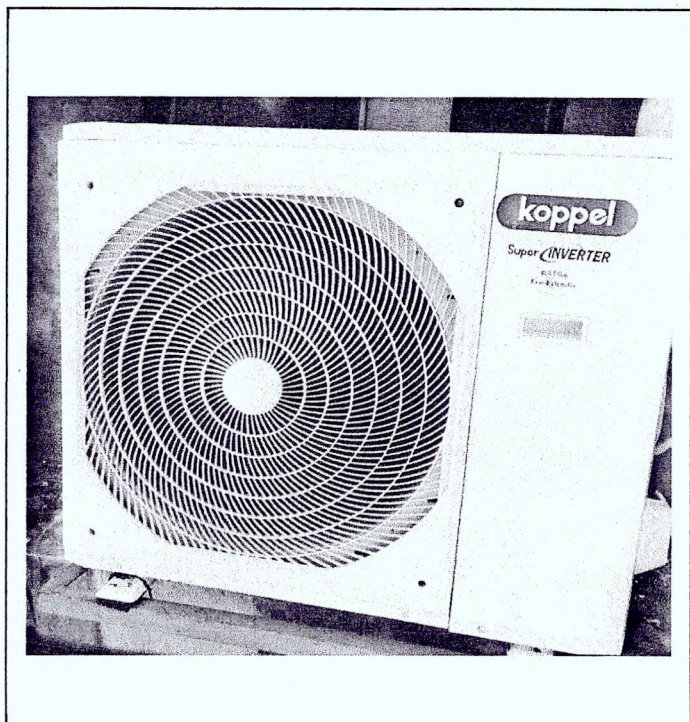
Thursday, August 1, 2019



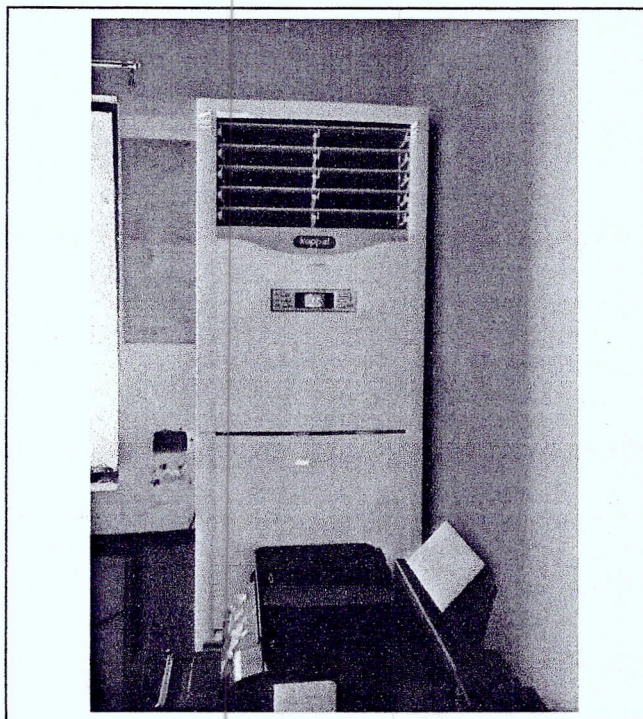
INSTALLATION REFERENCE

Customer Name : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA

Address : 1515 L and S Bldg., Roxas Blvd., Ermita, Manila



Outdoor Unit Installation



Indoor Unit Installation

Super INVERTER	
MODEL	KV36ODU-ARF21C
USE WITH	KV36CC-ARF21C KV36CM-ARF21C KV36DH-ARF21C KV36FM1-ARF21C2
COOLING CAPACITY	38,000 Btu/h 40,090 kJ/h
MAX INPUT	4,500 W
MAX CURRENT	22.0 A
POWER SOURCE	230V~60Hz, 1Ph
REFRIGERANT	R410A/2.8 kg
DESIGN PRESSURE	DISCHARGE 4.2 MPa SUCTION 1.5 MPa
NET WEIGHT	69.0 kg
OUTDOOR UNIT RESISTANCE CLASS	IPX4
SERIAL NUMBER	211055-00565
 KOPPEL INC. 100 Industry Drive, Camaril Industrial Park, Ilog, Cebu City, Cebu 6000, Philippines Tel: 5623-68-83	

Outdoor Unit Name Plate

Super INVERTER	
MODEL	KV36FM1-ARF21C2
USE WITH	KV36ODU-ARF21C
COOLING CAPACITY	38,000 Btu/h 40,090 kJ/h
RATED INPUT	3,100 W
RATED CURRENT	16.2A
POWER SOURCE	230V~60Hz, 1Ph
REFRIGERANT	R410A/2.8kg
DESIGN PRESSURE	DISCHARGE 4.2 MPa SUCTION 1.5 MPa
NET WEIGHT	50.3kg
OUTDOOR UNIT RESISTANCE CLASS	IPX4
SERIAL NUMBER	211054-00245
 KOPPEL INC. 100 Industry Drive, Camaril Industrial Park, Ilog, Cebu City, Cebu 6000, Philippines Tel: 5623-68-83	

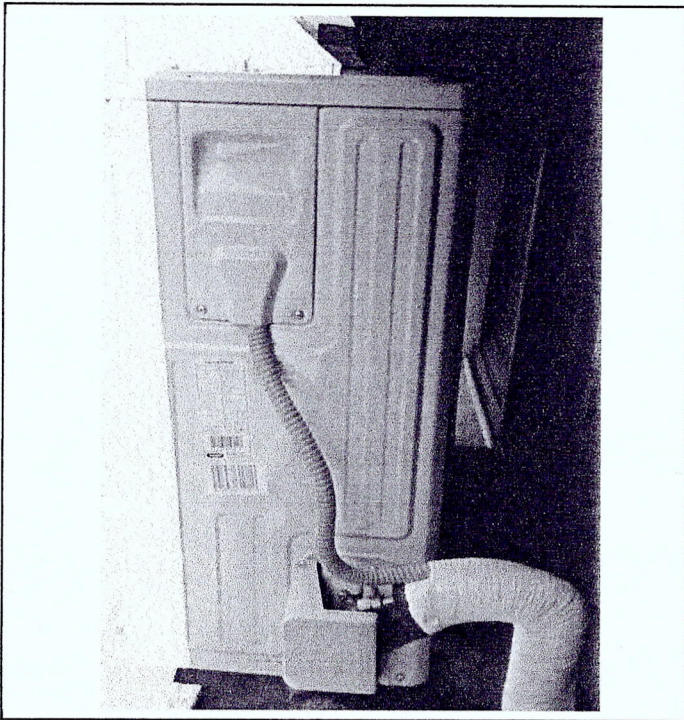
Indoor Unit Name Plate



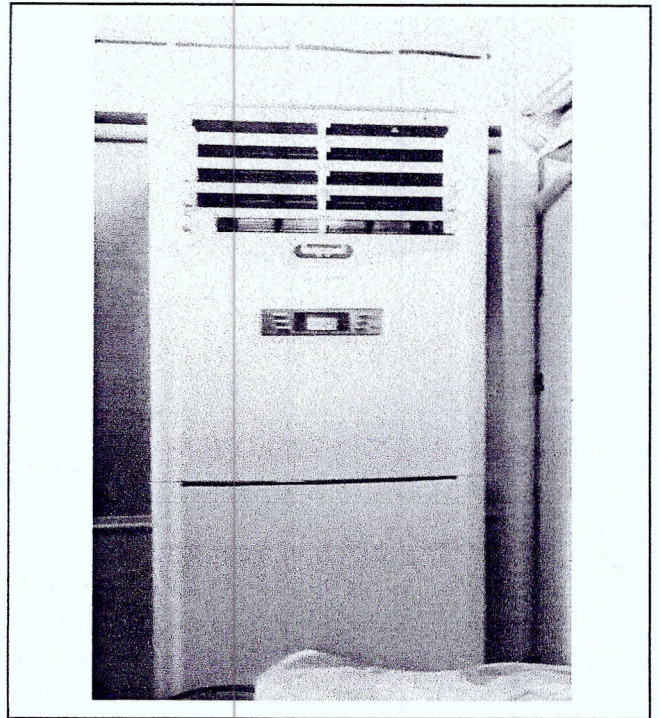
INSTALLATION REFERENCE

Customer Name : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA

Address : 1515 L and S Bldg., Roxas Blvd., Ermita, Manila



Outdoor Unit Installation



Indoor Unit Installation

Super INVERTER	
MODEL	KV360DU-ARF21C
USE WITH	KV36CC-ARF21C KV36CM-ARF21C KV36DH-ARF21C KV36FM1-ARF21C2
COOLING CAPACITY	38,000 Btu/h 40,090 kJ/h
MAX INPUT	4,500 W
MAX CURRENT	22.0 A
POWER SOURCE	230V-60Hz, 1Ph
REFRIGERANT	R410A/2.8 kg
DESIGN PRESSURE	DISCHARGE 4.2 MPa SUCTION 1.5 MPa
NET WEIGHT	69.0 kg
OUTDOOR UNIT RESISTANCE CLASS	IPX4
SERIAL NUMBER	211055-00546
 KOPPEL INC. 100 Industry Circle, Cambridge Industrial Park / Bridgewater, Ontario, Canada N2S 1A2 Tel: 867.555.83	

Outdoor Unit Name Plate

Super INVERTER	
MODEL	KV36FM1-ARF21C2
USE WITH	KV360DU-ARF21C
COOLING CAPACITY	38,000 Btu/h 40,090 kJ/h
RATED INPUT	3,100 W
RATED CURRENT	16.2A
POWER SOURCE	230V-60Hz, 1Ph
REFRIGERANT	R410A/2.8kg
DESIGN PRESSURE	DISCHARGE 4.2 MPa SUCTION 1.5 MPa
NET WEIGHT	50.3kg
OUTDOOR UNIT RESISTANCE CLASS	IPX4
SERIAL NUMBER	211054-00300
 KOPPEL INC. 100 Industry Circle, Cambridge Industrial Park / Bridgewater, Ontario, Canada N2S 1A2 Tel: 867.555.83	

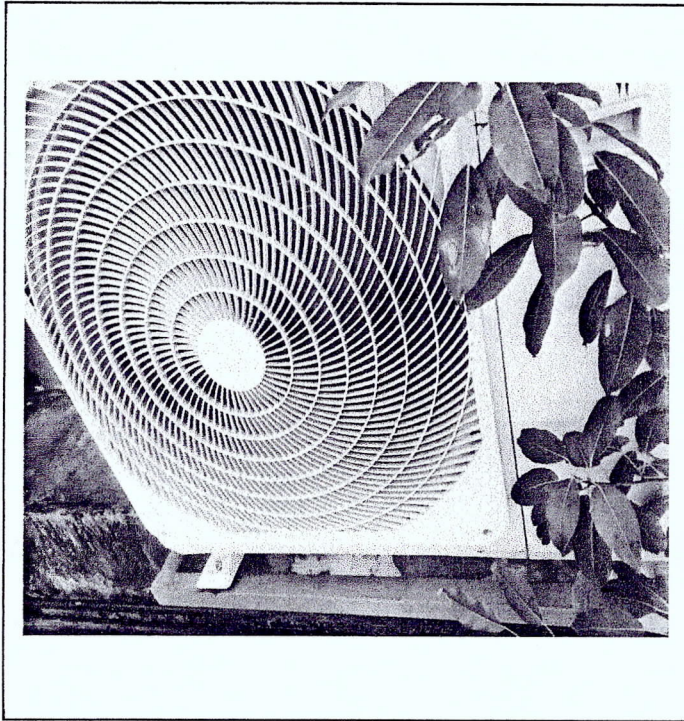
Indoor Unit Name Plate



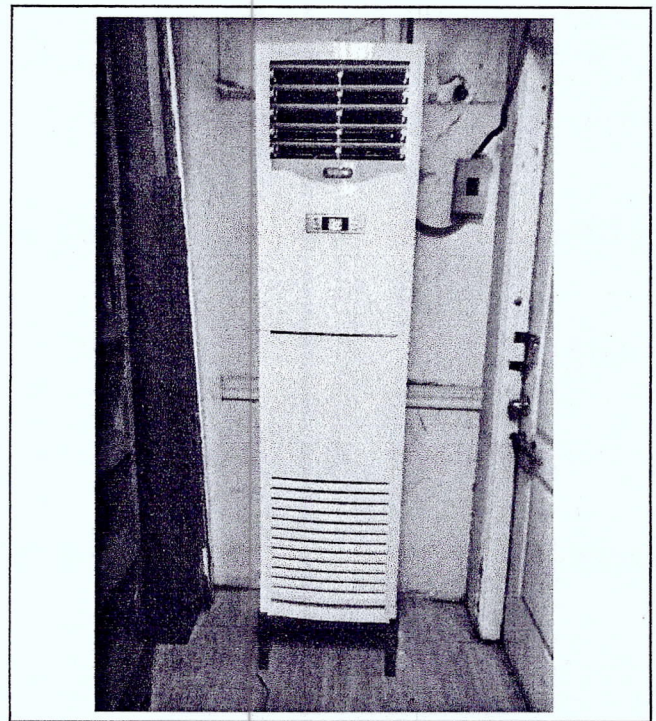
INSTALLATION REFERENCE

Customer Name : DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES –
REGION IV MIMAROPA

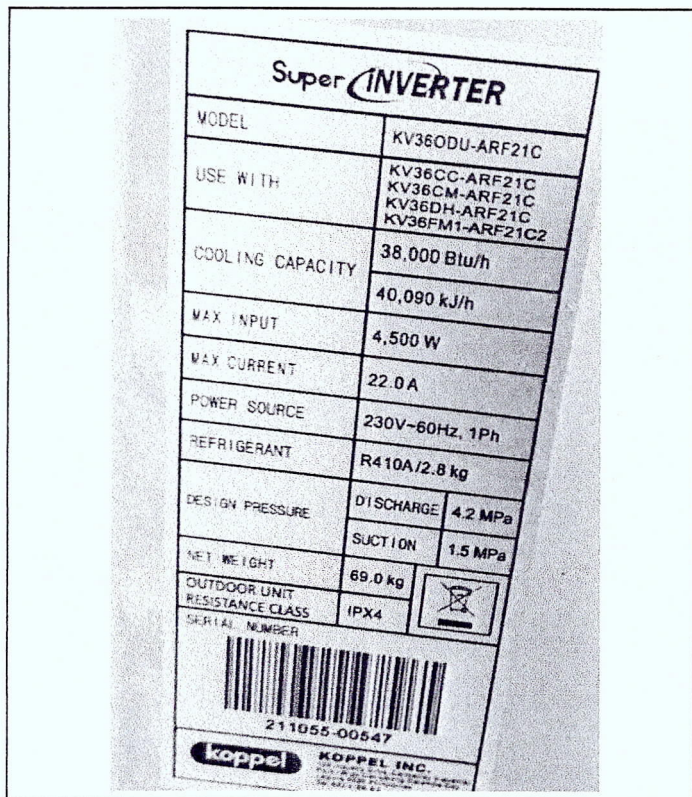
Address : 1515 L and S Bldg., Roxas Blvd., Ermita, Manila



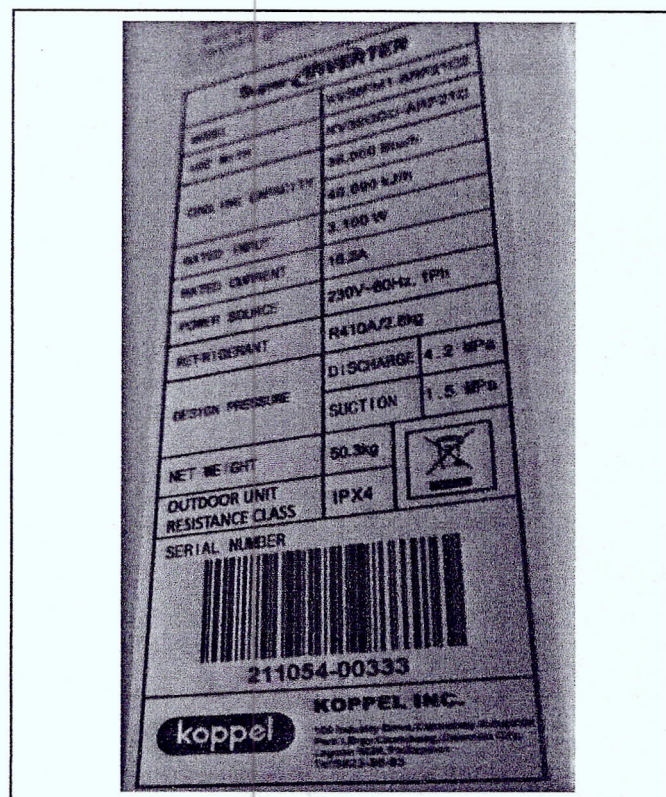
Outdoor Unit Installation



Indoor Unit Installation



Outdoor Unit Name Plate



Indoor Unit Name Plate