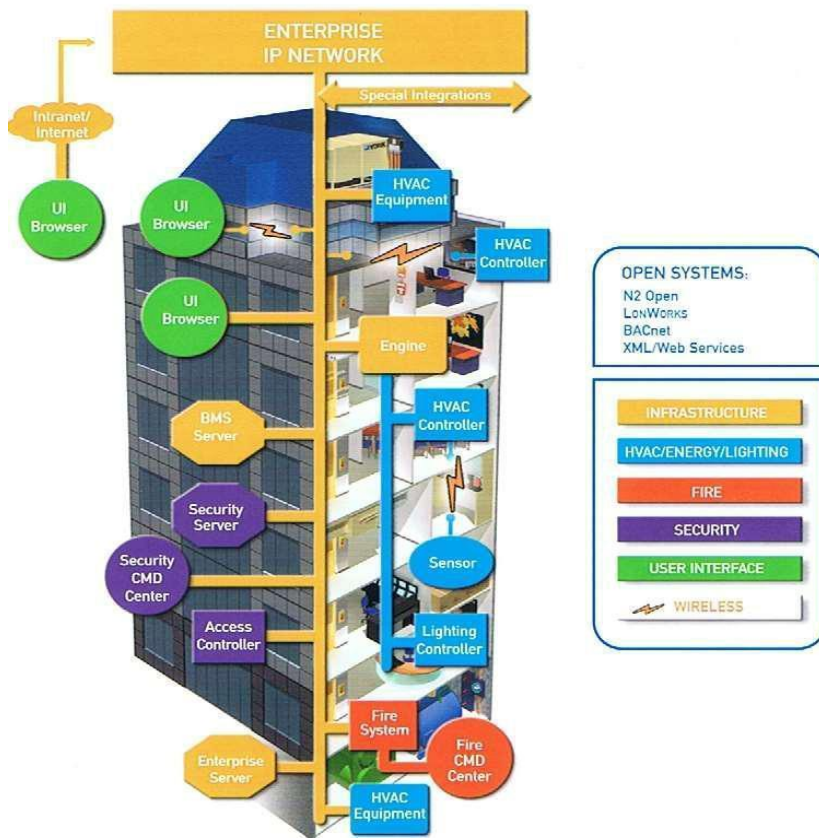


COMPANY PROFILE



AUTOMATION REFRIGERATION PTE LTD



Authorized Distributor



Building Management System

COMPANY PROFILE

Business Name: Automation REFRIGERATION PTE Ltd.

Directors Name: Ratnesh Lal.

Bank: Bank Westpac

TIN No.: 2901279240

Nature of Business: **Electrical, Automation, Refrigeration, Air-conditioning, Service and sales**

Sheet Metal Fabrication. **BMS ,BMA** System

Specialized in: Marine, Industrial, Domestic, Starter, Commercial Wiring, AC/DC Motor Rewinding & P.L.C. System, V.R.F. System, Freezer truck, Cooling Tower, Central Plant & Cool Room.

Location: 1 MUNIA street Samabula, Suva
NADI **52 QUEENS RD NADI**

Postal Address: P.O.Box 826, Nabua, Suva.

Company Registered: **11 October , 2009**

E-mail: ratnesh@automationrefer.com / accounts@automationrefer.com

Website: **admin@automationrefer.com / www.automationrefer.com**

Phone: **00 679 9952046** (SUVA head office)

00 679 9238443 NADI

BRANCE

Mobile:

Skype I D: automation refer

Trading Reference:

- C.J. Patel.
- BOC (Fiji) Limited
- Fresh'et International Ltd
- P.A LAL Coachwork Ltd
- Golden Ocean Fishing Company
- **Rewa dairy LTD**
- Coral Sun Fiji Ltd (Coach Bus)
- Goodman Fielder (Tuckers – Thermo king)
- **TFL Ganilau House(B M S)**
- **Mobil oils**
- **M.H super market**
- Tabara Halal Meat Limited
- Tuvalu government building
- **Overseas projects East Timor**
- **BSP LIFE SUVA PRIVATE HOPITAL**
1100KVA GEN SET
- **Hexagon International hotel**
- Bohai Resturant
- **Sharma's Rental & Sharma's Apartment**
- **Bhan apartment**
York air condition
- **Bhan auto parts apartment**
- **Sharma's Music**
- **grand west villas**
- **FEA**
- **Brijlal**
- **SOUTH SEA CURSIES**
- **ATS**
- Freezer Freight Services • Tosa Bussan (Fiji) Limited
- R B Patel Group Ltd (South Point)
- Southern Cross Hotel
- Tailevu Holding Limited
- **Fiji Industries**
- Ram Sami Poultry Farm
- Lokia Shopping Center
- Rosie Tours Ltd
- **Reserve bank**
- **F.E.A Automation (tank)**
- **Rolalabalavu House**
Agro marking freezer room
Fijian hotels singatoka
Naviti hotels singatoka

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COMPANY TREE

Over View

We offer a “Turn Key” approach to both small & larger projects, which involve the many varied aspects of the electrical, auto electrical, refrigeration, air-conditioning industry. Our in house facilities allow us to carry out efficiently the Design, Drawing, Panel Building, Installation, and Functional Description of the process, P.L.C & HMI Code Development. We are also specialized in Marine, Industrial, Domestic, Starter, Commercial Wiring, AC/DC Motor Rewinding, and Agents for Car Alarms & P.L.C. System. Our Project Methodology sets goals and objectives, which enables us to deliver cost effective solutions to almost any industry application.

This includes the 3 main project phases.

- 1) STARTUP
- 2) EXECUTION
- 3) TERMINATION

1.1) System Engineering

We offer a service of System Engineering for total plant integration. This covers the sensor on the machine to the office management computer system. This includes the initial concept planning, budgets, through an 11-phase automation process.

- | | |
|---------------------------------------|---------------------------------|
| 1) AUTOMATION PLAN | 7) SYSTEM DEVELOPMENT |
| 2) PROJECT KICK – OFF | 8) SYSTEM INTERGRATION |
| 3) FIELD SURVEY | 9) ACCEPTANCE TESTS |
| 4) FUNCTIONAL DESCRIPTION | 10) SUPPORT SERVICES & TRAINING |
| 5) DETAILED DESCRIPTION | 11) DOCUMENTATION |
| 6) ACCEPTANCE TEST
PLAN PROCEDURES | |

1.2) Refrigeration

Freezer trucks, Cool Rooms, Blast Freezers, Container Freezers, and Ammonia Plant etc. We have already installed blast freezer and holding freezer in C.J Patel. We also do Marine Refrigeration and Supermarket Display Freezers. Furthermore, we have extensive experience in cool room and freezer room installation example RB Patel group of Companies in Southpoint, Nakasi with automation control.

1.3) Air-Conditioning

Cooling Tower, Central Plant, Bus Air-conditioning, and Car Air-conditioning, etc. We have done An air-conditioning project in C.J Patel and with other clients and VRF system (variable Refrigerant Flow). **We have experience in working in Screw Chillers, Dunne Bush Chillers, AUX Chiller's, Carrier Semi Ham tic Compressor's**

1.4) Electrical Installations

We carry out Electrical Installation as part of our design build projects as well as for service providers from outside our region and we also do underground cable installations and overhead cable installations and we have experience in **generator** installations and servicing and in **solar panel** installations.

1.5) Electrical Servicing

We provide industrial servicing for a wide range of customers. These include food handling, manufacturing, water processing, concrete batching and cheese production, Motor Winding, Control, Industrial, Domestic, and Marine Wiring. We offer 24hr, 365-day coverage by arrangement.

1.6) Switchboards & Control Panels

We manufacture Switchboards, Motor Control Panels and Control Panels as part of our design build projects and services that we provide. This includes PLC based control systems.

1.9) Programming PLC Programming (Programmable Logic control)

We started writing PLC code in the early 1999 when we used to replace relay panels. Now we Pride ourselves with the approach we have in controlling complex tasks with efficient programs that Get the job done. Our documentation methods include **Functional Descriptions** that detail the Operation of the PLC code. We have extensive experience in the wet processing.

2.0) V.R.F Programming (Variable Refrigerant Flow)

We started using V.R.F in early 2001. Now we pride ourselves with the approach we have in controlling complex with efficient programs that gets the job done. Our documentation methods include **Functional Descriptions** that detail the operation of V.R.F used to run the system with computer. We have extensive experience in building air-conditioners (e.g. cooling tower, central plant,) and **AUX Air conditioners**.

2.1) V.S.D Programming (variable Speed Drive)

We started using VSD drive in early 2001 and we have control on the motors from ZERO (0) RPM to maximum speed of the motor. We have used this program in saw mills and Other converge drive.

2.2) B.M.S System (Programming Building Management System)

We started using **B M. S** in early 2001. Now we pride ourselves with the approach we have in controlling complex with efficient programs that gets the job done. Our documentation methods include **Functional Descriptions** that detail the operation of **B.M. S** used to run the system with computer. We have extensive experience in building air-conditioners (e.g. cooling tower, central plant,) with **Johnson control** and **Honeywell** we use other software to such as Rockwell, Telemecanic, AB & Honeywell.

We have already done the job with Johnson Control for Telecom Fiji in Ganilau house. We have upgraded the system from NCM to NEA and have signed 10years contract with Telecom Fiji Limited.



2.3) R.T.U Radio Telephone Unit

We have experience in RTU to control the pumps and motors and remote area air conditions with signals etc. We also use Scader program to run the PLC drive. We also use RTU with repeaters to get signals from remote areas without telephone lines

2.4) Operator Interface

We can provide your operator's with the latest in graphical technology to monitor production, select batches and interact with the operation of your plant.

2.5) Dynamic Data Exchange (DDE)

We can provide protocol translation to combine your favorite third party database, spreadsheet, trending and word processing software package to your system.

2.6) Data Management

We give you complete flexibility to decide which data is important, how it is to be formatted for display and when and how it is saved.

2.7) Sheet metal Division

We do sheet metal job such as ducting, aluminum and stain steel welding and other fabrication jobs.

2.8) Telemetry control system

We have extensive experience in telemetry control system .We have done jobs at masimasi booster Pump Station & reservoirs. We measure water level and water pressure.



AKSA PRODUCT USED	SET	
ROLALABALAVU HOUSE	1X 400 supplied & installed	
INTER CONTINENATL RESORT	2X 850 SYNCHRONIZE supplied & installed & commission	
WYNDOM RESORT & SPA	2X 550 supplied & installed	
CAPRICON HOTEL NADI	1X 275 supplied & installed	
CAPRICON HOTEL SUVA	1X275 supplied & installed	
WESTIN RESORT & SPA	1MAGA WATTS commission	
WEST MOTOR INN	1X 250 supplied & installed	
TOKATOKA HOTEL	1X 500 supplied & installed	
GOLD MINE	2X 2 MEGA WATTS SYNCHRONIZE supplied & installed	
RESERVE BANK OF FIJI	1x 1000KVA supplied & installed	
FEA	1 X 650 KVA GENERATOR SUPPLIED & INSTALL for vunda site	
<i>Anchorage Resort Fiji</i>	1 X 500 KVA GENERATOR supplied & installed	
<i>THE NAVITI RESORT</i>	1 X 750KW GENERTAOR SUPPLY & INSTALL ORDERED	
		
		

Stainless steel canopy 316 grade



DC INVERTER STANDARD AMBIENT VRF SYSTEMS

An efficient solution for more comfortable environments



 **YORK**[®]
BY JOHNSON CONTROLS

Building Management System

FOUR-WAY CASSETTE

Features

Quiet operation

- New irregular helix design fan blade enabling the indoor unit running at lowest sound level

Standard built-in high head drain pump

- Up to 750mm drain-head creating the ideal solution for perfect water drainage

Fresh air inlet except for 5.8/7.1/8.0kW

- Pre-set fresh air inlet can introduce the outside fresh air into the room, greatly improve the indoor air quality, away from "air conditioner symptom".

Branch outlet except for 2.8/3.6/4.5kW

- 1 or 2 branch outlets for flexible and better air distribution

Advanced structure facilitating installation and maintenance

- 90° rotation suction grille
- Randomly installation direction

- The panel dimension is 700x700mm, and the unit dimension is 570x570mm, smaller footprint, easier for installation.

Wired controller as standard offer, wireless controller optional



Specification

Model Name			YVKVXH028WAR--GX	YVKVXH036WAR--GX	YVKVXH045WAR--GX	YVKVXH056WAR--GX
Power Supply		Ph-V-Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz
Nominal Capacity						
Cooling	Capacity	kW	2.8	3.6	4.5	5.6
	Input	W	80	80	80	145
	Current	A	0.47	0.47	0.47	0.67
Heating	Capacity	kW	3.2	4	5	6.3
	Input	W	80	80	80	145
	Current	A	0.47	0.47	0.47	0.67
Motor						
Input	W		72	72	72	142
Capacitor	μF		2μF/450V	2μF/450V	2μF/450V	3μF/450V
Speed (H/M/L)	rpm		760/650/520	760/650/520	760/650/520	710/620/520
Performance						
Indoor Noise Level (H/M/L)	dB(A)		32/30/29	32/30/29	33/30/29	34/32/30
External Static Pressure	Pa		/	/	/	/
Indoor Air Flow(H)	m3/h / CFM		700/412	650/382	650/382	1200/706
Piping Size	Liquid/Gas	mm	ø6.35/ø9.52	ø6.35/ø12.7	ø6.35/ø12.7	ø6.35/ø12.7
Containerization						
Indoor unit	Dimension (WxHxD)	mm	570x260x570(Cabinet) 700x60x700(Panel)	570x260x570(Cabinet) 700x60x700(Panel)	570x260x570(Cabinet) 700x60x700(Panel)	840x240x840(Cabinet) 950x60x950(Panel)
	Packing (WxHxD)	mm	705x335x667(Cabinet) 740x115x740(Panel)	705x335x667(Cabinet) 740x115x740(Panel)	705x335x667(Cabinet) 740x115x740(Panel)	920x322x910(Cabinet) 992x115x992(Panel)
	Net/Gross weight	kg	17+2.8/21+4.5	19+2.8/23+4.5	19+2.8/23+4.5	30+6/32.5+7.5
Qty per 20'/40'/40'HQ	Pieces		120/240/280	120/240/280	120/240/280	84/168/192

**JOHNSON
CONTROLS**

Building Management System
*Exceeding Your
Expectations*

YORK

FOUR-WAY CASSETTE



50/60 Hz

50Hz and 60Hz, 220-230V power supply supports regions with unstable voltage, avoids power supply demand, and saves inventory and transport costs.



Built-in Drain Pump

Built-in drain pump can pump condensation to a high level, which facilitates draining condensation from indoor unit and makes installation easier.



Quiet Operation

Technology and compact design reduce noise level to as low as 29 decibels for a super quiet and comfortable user experience.



4 Fan Settings

Smaller dimensions for easy installation and transportation, and reduces cost.



Washable Filter

Washable filter allows for convenient service and maintenance.

Model Name			YVKVXH071WAR--GX	YVKVXH080WAR--GX	YVKVXH090WAR--GX	YVKVXH112WAR--GX	YVKVXH140WAR--GX	
Power Supply		Ph-V-Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	
Nominal Capacity								
Cooling	Capacity	kW	7.1	8	9	11.2	14	
	Input	W	145	145	150	150	150	
	Current	A	0.67	0.67	0.76	0.76	0.76	
Heating	Capacity	kW	8	9	10	12.5	16	
	Input	W	145	145	150	150	150	
	Current	A	0.67	0.67	0.76	0.76	0.76	
Motor								
Input	W		142	142	148	148	148	
Capacitor	μF		3μF/450V	3μF/450V	8μF/450V	8μF/450V	8μF/450V	
Speed (H/M/L)	rpm		710/620/520	710/620/520	675/610/530	675/610/530	675/610/530	
Performance								
Indoor Noise Level (H/M/L)	dB(A)		35/34/31	37/35/31	37/35/31	37/35/31	44/40/36	
External Static Pressure	Pa		/	/	/	/	/	
Indoor Air Flow(H)	m ³ /h / CFM		1200/706	1200/706	1800/1058	1800/1058	1800/1058	
Piping Size	Liquid/Gas	mm	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	
Containerization								
Indoor unit	Dimension (WxHxD)	mm	840x240x840(Cabinet) 950x60x950(Panel)	840x240x840(Cabinet) 950x60x950(Panel)	840x295x840(Cabinet) 950x60x950(Panel)	840x295x840(Cabinet) 950x60x950(Panel)	840x295x840(Cabinet) 950x60x950(Panel)	
	Packing (WxHxD)	mm	920x322x910(Cabinet) 992x115x992(Panel)	920x322x910(Cabinet) 992x115x992(Panel)	920x370x910(Cabinet) 992x115x992(Panel)	920x370x910(Cabinet) 992x115x992(Panel)	920x370x910(Cabinet) 992x115x992(Panel)	
	Net/Gross weight	kg	30+6/32.5+7.5	30+6/32.5+7.5	38+6/40+7.5	38+6/40+7.5	38+6/40+7.5	
Qty per 20'/40'/40'HQ	Pieces		84/168/192	84/168/192	60/126/147	60/126/147	60/126/147	

Rating Conditions(AHR11230):

	Outdoor Temperature	Indoor Temperature
Cooling:	35 ^o DB/23.9 ^o WB	26.7 ^o DB/19.4 ^o WB
Heating:	8.3 ^o DB/6.1 ^o WB	21.1 ^o DB /15.6 ^o WB

HIGH WALL

Features

- LED display
- Built-in EEV
- Stylish design
- Super quiet operation
- 3D air flow
- Intelligent air direction control, cooling air goes up and heating air goes down
- Vitamin C and ESF Filter Optional
- Wireless controller as standard offer, wired controller optional Without built-in high head drain pump, not available for external drain pump



Specification

Model Name			FV11VX1022WAR-1X	FV11VX1028WAR-1X	FV11VX1030WAR-1X
Power Supply		Ph-V-Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz
Nominal Capacity					
Cooling	Capacity	kW	2.2	2.8	3.6
	Input	W	71	71	71
	Current	A	0.31	0.31	0.31
Heating	Capacity	kW	2.5	3.2	4
	Input	W	71	71	71
	Current	A	0.31	0.31	0.31
Motor					
Input	W		52	52	52
Capacitor	µF		/	/	/
Speed (H/M/L)	rpm		1300/1200/1100	1300/1200/1100	1300/1200/1100
Performance					
Indoor Noise Level (H/M/L)	dB(A)		37/33/31	37/34/31	41/36/33
External Static Pressure	Pa		/	/	/
Indoor Air Flow(H)	m3/h / CFM		600/353	600/353	600/353
Piping Size	Liquid/Gas	mm	ø6.35/ø12.7	ø6.35/ø12.7	ø6.35/ø12.7
Containerization					
Indoor unit	Dimension (WxHxD)	mm	938x265x187	938x265x187	938x265x187
	Packing (WxHxD)	mm	1016x360x304	1016x360x304	1016x360x304
	Net/Gross weight	kg	10.9/13.1	10.9/13.1	10.9/13.1
Qty per 20'/40'/40'HQ	Pieces		220/560/630	220/560/630	220/560/630

Rating Conditions(AHR1230):

	Outdoor Temperature	Indoor Temperature
Cooling:	35 ^o DB/23.9 ^o WB	26.7 ^o DB/19.4 ^o WB
Heating:	8.3 ^o DB/6.1 ^o WB	21.1 ^o DB /15.6 ^o WB

HIGH WALL



50/60 Hz

50Hz and 60Hz, 220-230V power supply supports regions with unstable voltage, avoids power supply demand, and saves inventory and transport costs.



LED Display

Embedded LED display screen provides for easy setting and monitoring of temperature, operation and timer modes, fan speed and error codes.



Quiet Operation

Technology and compact design reduce noise level to as low as 31 decibels for a super quiet and comfortable user experience.



Vitamin C Layer

Vitamin C Layer releases fresh vitamin C into the air to help reduce stress, soften the skin and increase immunity. (Optional)



ESF Filter

Electrostatic filter with an active carbon layer traps harmful dust and removes unpleasant odors, improving air quality and creating a fresh, comfortable environment. (Optional)

Specification

Model Name			YVHVXH045WAR--FX	YVHVXH056WAR--FX	YVHVXH071WAR--FX
Power Supply		Ph-V-Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz
Nominal Capacity					
Cooling	Capacity	kW	4.5	5.6	7.1
	Input	W	71	94	94
	Current	A	0.31	0.41	0.41
Heating	Capacity	kW	5	6.3	8
	Input	W	71	94	94
	Current	A	0.31	0.41	0.41
Motor					
Input	W		52	53	53
Capacitor	μF		/	/	/
Speed (H/M/L)	rpm		1300/1200/1100	1250/1200/1100	1250/1200/1100
Performance					
Indoor Noise Level (H/M/L)	dB(A)		41/36/33	43/39/34	48/39/37
External Static Pressure	Pa		/	/	/
Indoor Air Flow(H)	m3/h / CFM		600/353	800/470	800/470
Piping Size	Liquid/Gas	mm	ø6.35/ø12.7	ø9.52/ø15.88	ø9.52/ø15.88
Containerization					
Indoor unit	Dimension (WxHxD)	mm	938x265x187	1046x299x239	1046x299x239
	Packing (WxHxD)	mm	1016x360x304	1111x373x329	1111x373x329
	Net/Gross weight	kg	10.9/13.1	13/16.5	13/16.5
Qty per 20'/40'/40'HQ	Pieces		220/560/630	160/420/465	160/420/465

Rating Conditions(AHRI1230):

	Outdoor Temperature	Indoor Temperature
Cooling:	35 ^o DB/23.9 ^o WB	26.7 ^o DB/19.4 ^o WB
Heating:	8.3 ^o DB/6.1 ^o WB	21.1 ^o DB /15.6 ^o WB

FLOOR CEILING

Features

Flexible and easy installation

- Installed on the floor or in the ceiling
- Installation space greatly decreased
- Easy service and easy installation

Ultra thin body, only 199mm for 2.8~7.1kW

Large angle air supplying

- 100° wide angle louvers and 70° wide angle blades design
- Precise control of air flow
- Equally distributed comfortable air flow to every corner of room

Without built-in drain pump, optional external drain

pump ESF Filter Optional

Wired controller as standard offer, wireless controller optional



Specification

Model Name			YVFXH028WAR--GX	YVFXH036WAR--GX	YVFXH045WAR--GX	YVFXH056WAR--GX
Power Supply		Ph-V-Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz
Nominal Capacity						
Cooling	Capacity	kW	2.8	3.6	4.5	5.6
	Input	W	100	100	100	100
	Current	A	0.30	0.30	0.30	0.30
Heating	Capacity	kW	3.2	4.0	5.0	6.3
	Input	W	100	100	100	100
	Current	A	0.30	0.30	0.30	0.30
Motor						
Input	W		94	94	94	94
Capacitor	μF		2μF/450V	2μF/450V	2μF/450V	2μF/450V
Speed (H/M/L)	rpm		1110/1005/745	1110/1005/745	1110/1005/745	1110/1005/745
Performance						
Indoor Noise Level (H/M/L)	dB(A)		48/46/44	48/46/44	48/46/44	48/46/44
External Static Pressure	Pa		/	/	/	/
Indoor Air Flow(H)	m3/h / CFM		800/470	800/470	800/470	800/470
Piping Size	Liquid/Gas	mm	ø6.35/ø9.52	ø6.35/ø12.7	ø6.35/ø12.7	ø6.35/ø12.7
Containerization						
Indoor unit	Dimension (WxHxD)	mm	990x655x199	990x655x199	990x655x199	990x655x199
	Packing (WxHxD)	mm	1160x743x290	1160x743x290	1160x743x290	1160x743x290
	Net/Gross weight	kg	28.3/34.3	28.3/36.4	28.3/36.4	28.3/36.4
Qty per 20'/40'/40'HQ	Pieces		120/240/270	120/240/270	120/240/270	120/240/270

Rating Conditions(AHR1230):

Outdoor Temperature Indoor Temperature

Cooling: 35.0DB/23.9.0WB 26.7.0DB/19.4.0WB

Heating: 8.3.0DB/6.1.0WB 21.1.0DB /15.6.0WB

FLOOR CEILING



50/60 Hz

50Hz and 60Hz, 220-230V power supply supports regions with unstable voltage, avoids power supply demand, and saves inventory and transport costs.



4 Fan Settings

Smaller dimensions for easy installation and transportation, and reduces cost.



Washable Filter

Washable filter allows for convenient service and maintenance.



ESF Filter

Electrostatic filter with an active carbon layer traps harmful dust and removes unpleasant odors, improving air quality and creating a fresh, comfortable environment. (Optional)

Specification

Model Name			YVFXH071WAR--GX	YVFXH080WAR--GX	YVFXH090WAR--GX	YVFXH112WAR--GX	YVFXH140WAR--GX
Power Supply		Ph-V-Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz	1Ph/220~230V/50-60Hz
Nominal Capacity							
Cooling	Capacity	kW	7.1	8.0	9.0	11.2	14.0
	Input	W	100	200	200	400	400
	Current	A	0.30	1.00	1.00	1.80	1.80
Heating	Capacity	kW	8.0	9.0	10.0	12.5	16.0
	Input	W	100	200	200	400	400
	Current	A	0.30	1.00	1.00	1.80	1.80
Motor							
Input	W		94	188	188	263	263
Capacitor	μF		2μF/450V	5μF/450V	5μF/450V	5μF/450V	5μF/450V
Speed (H/M/L)	rpm		1110/1005/745	1120/1040/900/820	1120/1040/900/820	1395/1245/1090/980	1395/1245/1090/980
Performance							
Indoor Noise Level (H/M/L)	dB(A)		48/46/44	49/47/45	49/47/45	50/48/46	53/51/49
External Static Pressure	Pa		/	/	/	/	/
Indoor Air Flow(H)	m3/h / CFM		800/470	1400/823	1400/823	2040/1200	2040/1200
Piping Size	Liquid/Gas	mm	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88	ø9.52/ø15.88
Containerization							
Indoor unit	Dimension (WxHxD)	mm	990x655x199	1580x700x240	1580x700x240	1580x700x240	1580x700x240
	Packing (WxHxD)	mm	1160x743x290	1713x793x335	1713x793x335	1713x793x335	1713x793x335
	Net/Gross weight	kg	28.3/36.4	37/47	37/47	54/61	54/61
Qty per 20'/40'/40'HQ	Pieces		120/240/270	74/150/180	74/150/180	60/120/140	60/120/140

Rating Conditions(AHRI1230):

	Outdoor Temperature	Indoor Temperature
Cooling:	35 ^o DB/23.9 ^o WB	26.7 ^o DB/19.4 ^o WB
Heating:	8.3 ^o DB/6.1 ^o WB	21.1 ^o DB /15.6 ^o WB

Managing critical infrastructure via satellite **TELEMETRY CONTROL**



Providing SCADA-Telemetry solutions globally with GPRS or RTU systems

AUTOMATION ARSL is a highly specialized USING **EWON MODEM** telemetry company, which provides a cost effective solution for monitoring and managing data through satellite communications. Since 2004 we have designed, manufactured and sold systems to demanding clients. Through continuous research and development we have managed to stay at the forefront of the industry, and been able to provide competitive solutions to our clients' changing needs.

Our mission is to supply dedicated (private) network solutions to the global utility and energy markets, and our vision is to be the leading supplier of rugged zed satellite communication solutions for the SCADA-Telemetry applications environment.

AUTOMATION ARSL is leading supplier of dedicated (private) satellite network solutions to the utility and energy industries in Fiji.



Electric Power



Oil & Gas



Water

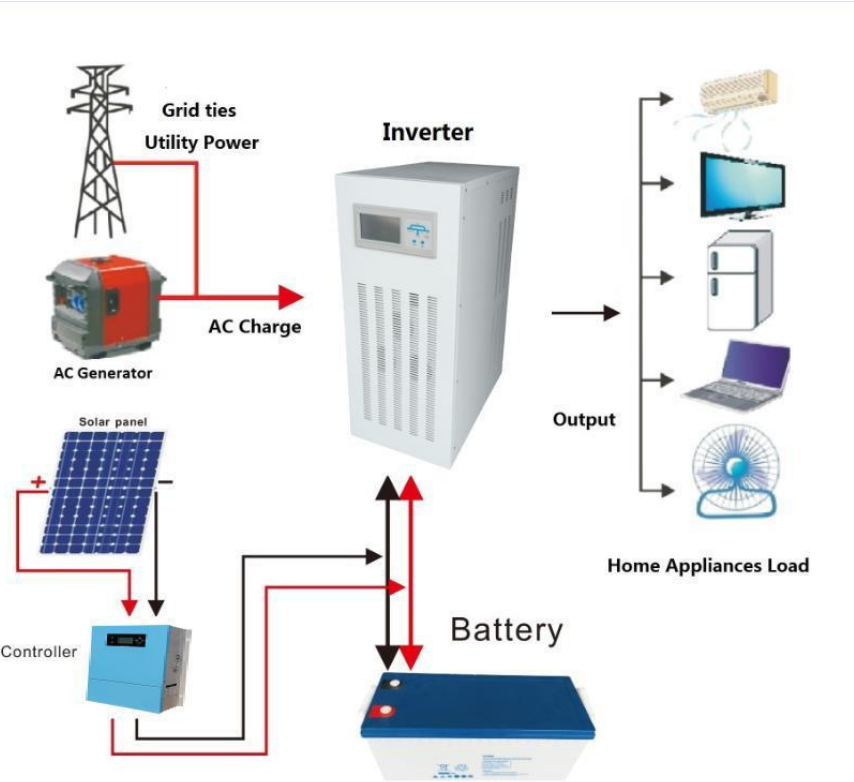


Environment

**JOHNSON
CONTROLS**
*Exceeding Your
Expectations!*

Three phase solar power system Feature:

- 1. This system makes use of solar energy to provide convenient and highly-efficient clean electric power to households.
- 2. It's featured with high-efficiency, easy-installation, economic and environment-friendly, etc.
- 3. This system is extensively used for areas without grid-power network, villas, backup power for general families



Honeywell:

■ W938, W939, W940

Delta Data Gathering Panels:

■ Excel 5000

■ Excel Classic

Johnson Controls:

■ Metasys®

Simplex Time Recorder:

■ 2001

■ 2120

■ 4001

■ DSC 8500

■ 4002

■ 4009

■ 4010

■ DSC 1000

■ Delta 1000, Delta 2000

■ Excel Plus (R7044A-G)

■ FS90, FS90 Plus

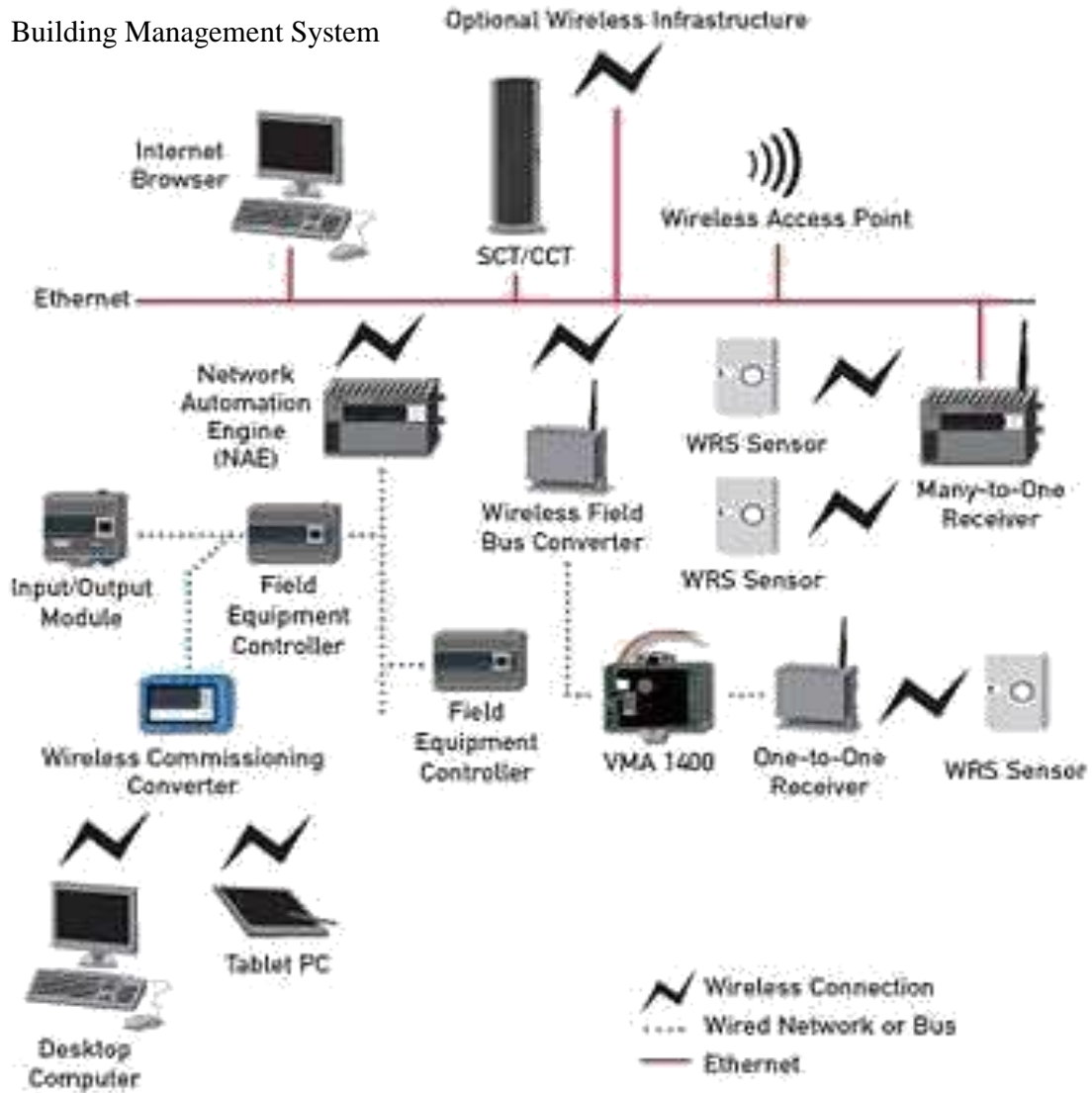
Products and Services

Control Products

- ▮ Control Products Overview
- ▮ Facility Explorer
- ▮ Metasys® Building Management System
- ▮ Actuators
- ▮ Dampers
- ▮ Fire
- ▮ Heating Products
- ▮ Safety and Security
- ▮ Lighting
- ▮ Personal Environments
- ▮ Refrigeration Controls
- ▮ Sensors and Controls, Electronic
- ▮ Thermostats
- ▮ Valves
- ▮ Variable Speed Drives
- ▮



Building Management System



**JOHNSON
CONTROLS**
*Exceeding Your
Expectations!*

Air-Handling Units, Custom



YORK[®] Solution™ Air-Handling Units

- **Mass customization** – delivers custom performance and flexibility, faster and more economically than previously possible
- **Custom performance** – IAQ, energy, and acoustic performance heretofore found only on hand-crafted units
- **Custom flexibility** – offers variable-aspect-ratio sizing, plus wide range of component/material choices
- **Faster delivery** – sophisticated computer engines speed the custom-manufacturing process
- **Economical price** – more economical than other custom units because of computerized manufacturing and

Products & Services

Screw, air-cooled, variable-speed Capacity: 150 to 515 TR



YORK[®] Latitude™ Air-Cooled Screw Chiller

- **Energy Savings** – Variable-speed drive produces 15-25% annual energy savings, IPLV as high as 15.2 EER, and up to 0.25 kW/TR reduction in energy use when replacing existing chillers
- **Quiet Operation** – Significant sound reduction at off-design conditions makes Latitude quieter than competitive chillers
- **Lower First Costs** – Low mechanical-installation, electrical-installation, and equipment costs
- **Lower Operating Costs** – Low energy, maintenance, and repair costs

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*Exceeding Your
Expectations!*
Building Management System

Products & Services

Screw, water-cooled, <200TR
Capacity: 90 to 200 TR

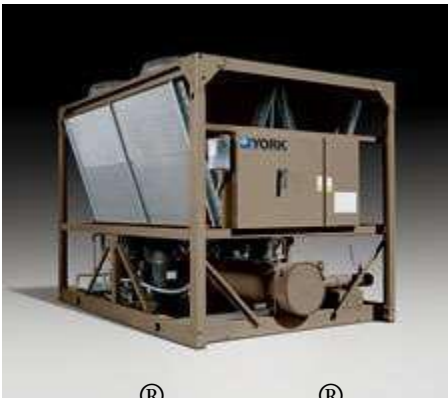


YORK® Model YCWS
Water-cooled Screw Chiller

- **Reduced Maintenance Costs** - The rugged design of YORK screw compressors means no scheduled maintenance is required.
- **Environmentally Responsible** - As a standard, YORK water-cooled screw chillers offer environmentally responsible HCFC-22 refrigerant. Zero-ozone-depletion HFC-407C refrigerant is also available.
- **Reduced Energy Costs** - YORK water-cooled screw chillers are industry leaders in efficiency.
- **Flexible** - Also available for connection with remote air-cooled condenser.

Products & Services

Scroll, air-cooled
Capacity: 10 to 130 TR



YORK® Millennium® Air-
cooled Scroll Chiller

- **High Efficiency** - The industry's highest design and off-design efficiencies in this TR range
- **Environmentally Responsible** - Can be charged with zero-ODP refrigerant HFC-407C -- an industry exclusive in this TR range
- **Quiet** - Acoustic blankets are available for the compressors
- **Ease of Operation** - OptiView™ remote control center, with graphical user-interface, is available
- **Superior Reliability** - Scroll-compressor design has fewer moving parts, improving reliability
- **Quiet** - Scroll chillers come with a standard low-sound fan

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Expectations!*

Building Management System

Refrigeration job done at Labasa MH Outlet



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Standby 400kva cummins



This generator is install at ROLALALBAU HOUSE 400 KVA



ATS SWITCH



THIS CHILLER IS INSTALL AT ROLALABAU HOUSE



Building Management System

Project: Rewind & Rebuilt of 75 kw Compressor for Shangri-La's Fijian Resort & Spa





Building Management System



HFO TANK FUEL LEVEL INDICATOR FOR FE& NEW KINOYA POWER



-30 BLAST FREEZER 4 HOURS RA JOB FOR UNDP PROJECT



Installed AT FEA VUDA SITE POWER SUPPLY HOUSE 650KVA GEN SET





Pafoco ammonia plant



Pafco ammonia compressor repair



Building Management System



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