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ABOUT US

Surge Engineering is a leading engineering company based in Bangladesh, dedicated to providing top-notch electro-mechanical services to a diverse range of clients in the industrial, commercial, and residential sectors. With a strong commitment to sustainability and energy efficiency, we offer comprehensive solutions that cater to the unique needs of our clients.

Since its inception, Surge Engineering has completed more than 200+ projects with a variety of clients including local and international ones. We focus on meeting the needs of our esteemed clients through sustainable, affordable and efficient processes. We listen to our clients and value their priorities.

Surge Engineering is affiliated at numerous local and global organizations: Institution of Engineers, Bangladesh (IEB); Association of Energy Association (AEE), Enlisted as a designer at RAJUK etc. Surge Engineering was awarded a fellowship by US Department of State as an emerging entrepreneur in 2016. We also received a grant from Startup Bangladesh Ltd. in 2017 for our innovative project: Portable Biogas Plant. Surge Engineering was awarded the best impactful startup from Bangladesh at Slush (Finland) 2017 and represented Bangladesh at that prestigious event.

Our Vision:

Our vision is to be a driving force in ensuring energy-efficient solutions for a better and more sustainable future. We aim to become a trusted partner for our clients, helping them reduce their energy consumption while maintaining optimal performance and comfort.



**STARTUP
BANGLADESH**

OUR SERVICES

We offer a wide range of services designed to meet the varied requirements of our clients:

- i Design
- ii Audit
 - a Electrical Safety Audit
 - b Energy Audit
- iii Installation
 - a Electrical System Installation
 - b Underground Cable Installation
 - c HVAC System
 - d EV Charging solution
 - e Fire Alarm and Detection System
- iv Material Sourcing
- v Commissioning



DESIGN

Our experienced team of engineers and designers creates innovative and customized electro-mechanical designs that maximize efficiency and performance. It includes:

- i) Electrical System Design (415V to 33kV Voltage level)
- ii) HVAC (Heating Ventilation & Air Conditioning)
- iii) Fire Detection & Protection
- iv) Renewable Energy (Solar System, Biogas Plant)

AUDIT

Our services include Electrical Safety and Energy Audit. We conduct thorough energy audits to identify areas of improvement, potential energy-saving opportunities, and system optimization strategies. Through Safety Audit, we follow a systematic approach to evaluate potential hazards and to recommend suggestions for improvements. It is an important tool for identifying deterioration of standards, areas of risks or vulnerability, hazards and potential accidents in plants for determining actions to minimize hazards.

ELECTRICAL SAFETY AUDIT

An Electrical Safety Audit (ESA) is a systematic approach to evaluate potential hazard and to recommend suggestions for improvements. It is an important tool for identifying deterioration of standards, areas of risks or vulnerability and potential accidents in the system for determining actions to minimize hazards. It ensures that safety effort is effective & meaningful.

Surge Engineering has audited numerous electrical systems including factories, commercial buildings, data centers, process industries etc. Our scope does not limit to identification only but also to rectify those.

Scope of Work in ESA:

- Identification of Electrical Hazards (shock, fire, explosion etc)
- Review of protection devices
- Review of major cables on sampling basis capacity and sizing
- Survey of Lightning Protection System
- Survey of Earthing System
- Review of Electrical Preventive Maintenance Program
- Examination of hand tools and Personal Protective Equipment (PPE)
- Identification of Hot Spot at Electrical Panels by the state-of-the-art Thermal Imager
- Review of system handling electrical accidents in the factory
- Review of awareness amongst factory employees towards Electrical Safety
- To check the compliance against legal and amp; statutory requirement (Electrical Safety Aspects as per the applicable standard: Bangladesh National Building Code (BNBC), 2020
- Analysis of observation vis-à-vis regulatory requirements and best practices
- Identification of gaps and rectification

Equipment used in ESA:

- Thermal Imager (FLIR, Model: E5-XT)
- Multi Meter
- Earth Resistance Meter
- Insulation Resistance Meter



TYPES OF AUDIT

PRE AUDIT

Electrical system
information collection
Visual Inspection and
identifying risky zones

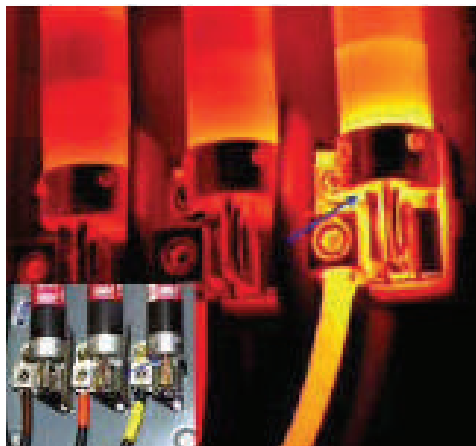
AUDIT

Measurements and
calculation. Report
preparation and
recommendation.
Training to the
concerned.

POST AUDIT

Check modification
according audit recom-
mendation and
Verification of the audit

THERMAL IMAGING TECHNOLOGY



Thermal imaging is the thermo graphic temperature measurement using Infra-Red Camera. It is the state-of-the-art technology to locate hotspot in Distribution Boards or Cables. The thermal imager instantly diagnoses the accident prone region.

ENERGY AUDIT:

Energy Audit is an attempt to balance the total energy inputs with its use and serves to identify all the energy sources in the system and quantify energy usages according to its distinct function. Energy Audit helps in energy cost optimization, pollution control and safety aspects and suggest the method to improve the operation and maintenance practice of the system.

Nowadays Energy Audit has become a key factor in deciding the product cost at micro level. Energy audit takes more attention for the following reasons:

- For identifying the quality and cost of various energy inputs.
- For assessing present pattern of energy consumption in different cost centers of operations.
- For relating energy inputs and production output.
- For identifying potential areas of thermal and electrical energy economy.
- Highlighting wastages in major areas.
- For fixing energy saving potential targets for individual cost centers.
- For implementation of measures for energy conservation and amp; realization of savings.

INSTALLATION

Installation: Our skilled technicians ensure the seamless installation of electro-mechanical systems, following industry best practices and adhering to safety standards.

ELECTRICAL SYSTEM INSTALLATION:

Surge Engineering has been involved in electrical design, supply and installation work since its inception. We envision reducing electrical energy consumption through proper design. Surge Engineering is enlisted at RAJUK (Rajdhani Unnayan Kartripakkha) as a designer since 2013.

We do layout design - circuit diagram- earthing & lightning protection, prepare Bill of Quantities (BOQ), supply materials, install the items, supervise and ensure quality of any electrical system. We are keen to use cutting edge tools, software and equipment during these processes.

We are affiliated with the renowned manufacturers and suppliers of electrical items and so we ensure the best product at an affordable price. Products at our current portfolio are:

- i) Electrical Distribution Boards
- ii) Cable
- iii) Conduit (PVC, flexible PVC, HDPE etc.)
- iv) Switch (Push Button & App controlled)
- v) Socket (Push Button & App controlled)
- vi) Light & Lighting Fixtures (LED, CFL & Fluorescent)
- vii) Circuit Breaker (LT & HT breakers)
- viii) LT Panels
- ix) Automatic Transfer Switch (ATS)
- x) Surge Protection Device (SPD)
- xi) Accessories: Cable Tie, PVC Tee-Socket-Joint-Circular Box, Clamp, Cable Gland, Wall (Royal) Plug, PIB Tape, Heat Shrinkable Tube, Cable lugs, MK box etc.
- xii) Cable Tray
- xiii) Transformer: 50kVA ~ 2500kVA
- xiv) Switchgear

UNDERGROUND CABLE INSTALLATION



Construction stages

01 Trenching and conduit installation

- Trenching can occur on more than one site on a project simultaneously.
- Plastic conduits (pipes) will then be placed in the trenches and then the area is backfilled with a special kind of concrete.
- Then the section of road is either permanently reinstated immediately or at the end of the project, depending on contractual agreements.

1-3 days

Time it takes to complete work outside most properties.

02 Underground joint bays

- Underground joint bays will be constructed every 600-900m along the route.

The joint bays are used to connect the cable sections.

- Between construction of the joint bay and connection of the cables, joint bays are either backfilled temporarily, barricaded or enclosed. Once cables are connected, the section of road is resurfaced.

2-4 months

Overall time it takes to work at each joint bay location

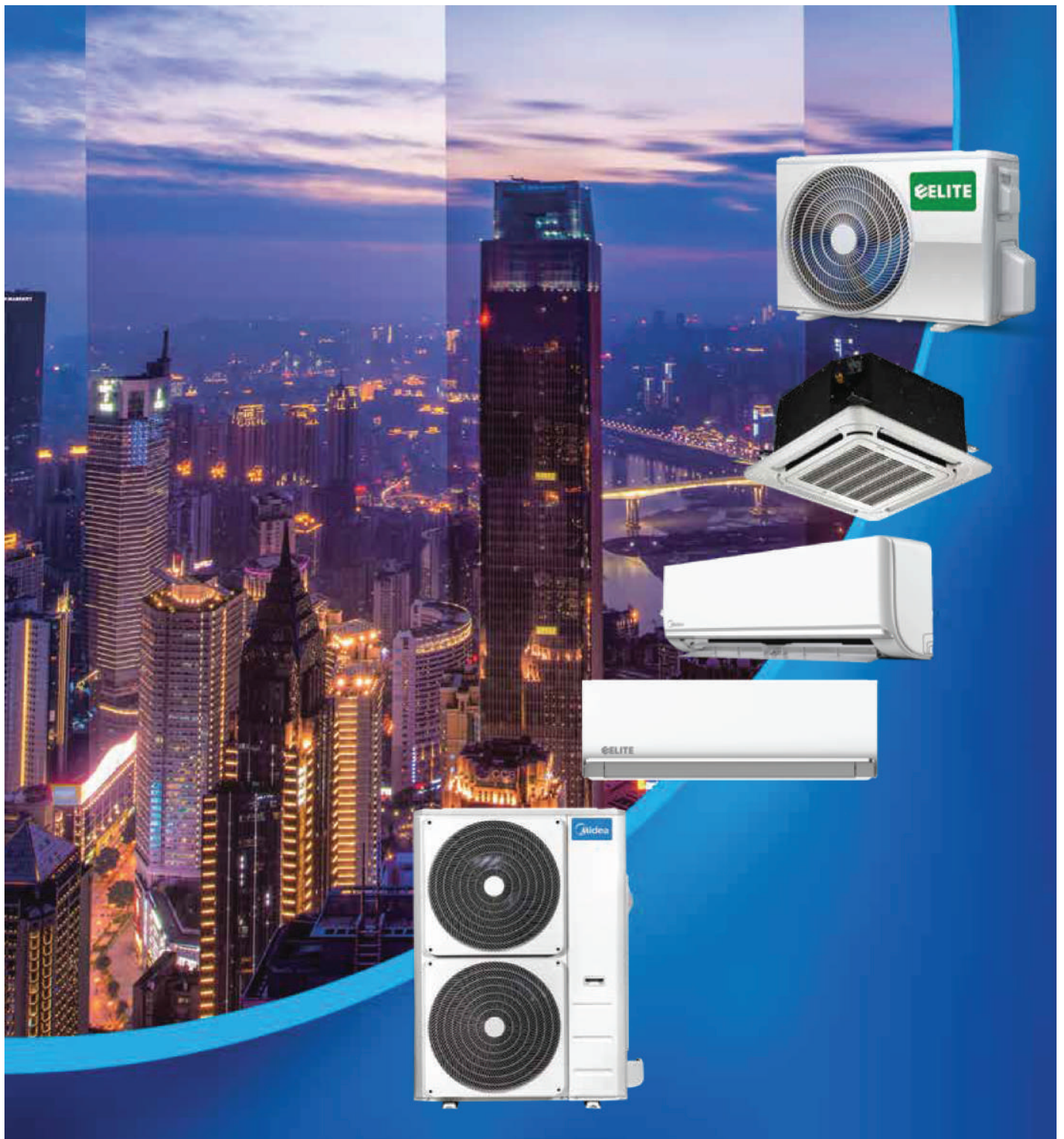
03 Cable installation




- At a later date, cable drums will be set up at joint bay locations.
- The 132,000 volt cables are pulled through the pipes and connected at the joint bays.
- Cable connection takes one to two weeks.







2-4 weeks






Time it takes to complete work outside most properties.

HVAC SYSTEM



Series		Wall Mounted				
Elite Gold Series Elite Diamond Series	  	12000Btu/h	18000Btu/h	24000Btu/h	30000Btu/h	

Series		Light Commercial					
Elite Four-way Cassette Type	 	18000Btu/h	24000Btu/h	30000Btu/h	36000Btu/h	48000Btu/h	60000Btu/h
Elite Ceiling Type							
Elite Floor Standing							
Elite Duct Type		48000Btu/h	60000Btu/h	96000Btu/h	120,000Btu/h		

Series		Wall Mounted				
Xtreme Inverter Series	 	12000Btu/h	18000Btu/h	24000Btu/h	30000Btu/h	
Forest Inverter Series						
Xtreme On-Off Series						

Series		Light Commercial					
Four-Way Cassette	 	18000Btu/h	24000Btu/h	30000Btu/h	36000Btu/h	48000Btu/h	60000Btu/h
Ceiling							
Floor Standing							
High Pressure Duct		48000Btu/h	60000Btu/h	96000Btu/h	120,000Btu/h		

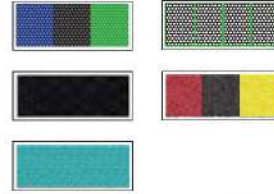
Series	Portable		Dehumidifier	
	 	9000Btu/h 12000Btu/h	 	20L/Day 30L/Day

ELITE GOLD SERIES



Healthy Filters

Elite's fresco tech brings you clean and refreshing air that fills your room with the soothing scent of nature.



1. Tri color anti bacterial filter.
2. Anti fungus hepa filter.
3. Carbon fiber filter.
4. Vitamic C Air filter.
5. HAF electrostatically charged filter.

BSTI & ISO Certified



Hydrophilic Golden Fin

The unique anticorrosive golden coating on the condenser can withstand the salty air, rain and the other corrosive elements.



Elite Cooling Only Wall Type Non-Inverter AC					
Model			EHS-12CRN	EHS-18CRN	EHS-24CRN
Power supply		V-Ph-Hz	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph	220-240V~50Hz, 1Ph
Cooling	Capacity	Btu/h	12000	18000	24000
	Input	W	1123	1624	2553
	Rated current	A	6.7	8.5	14.3
	EER	W/W	3.1	3.2	3
	EER	(BTU/Hr)/W	10.68	11.08	10.34
Max. input consumption		W	1123	1624	2553
Max. current		A	5	7.04	11.2
Compressor	Type		ROTARY	ROTARY	ROTARY
	Brand		IAMDA	IAMDA	IAMDA
Indoor air flow (Turbo/Hi/Mi/Lo)		m ³ /h	500/550/600/630	690/750/800/880	830/920/1100/1250
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	42/39/37	51/48/46	52/49/47
Outdoor noise level		dB(A)	50	59	59
Refrigerant type			R410A	R410A	R410A
Indoor/Outdoor Net Weight		kg	8.3/27	10.62/37.2	13.75/46
Operation temperature		°C	17~30	17~30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	790x275x192	920x306x195	1100x333x222
	Packing (WxDxH)	mm	860x345x265	990x382x266	1165x405x295
Outdoor Unit	Dimension (WxDxH)	mm	860X310X555	860X310X555	890X330X600
	Packing (WxDxH)	mm	902X356X610	902X356X610	920X390X660

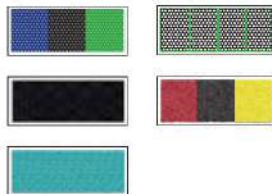
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ELITE DIAMOND SERIES



Healthy Filters

Elite's fresco tech brings you clean and refreshing air that fills your room with the soothing scent of nature.



1. Tri color anti bacterial filter.
2. Anti fungus hepa filter.
3. Carbon fiber filter.
4. Vitamic C Air filter.
5. HAF electrostatically charged filter.

BSTI & ISO Certified



Hydrophilic Golden Fin

The unique anticorrosive golden coating on the condenser can withstand the salty air, rain and the other corrosive elements.

CONTAINS
GENERAL
AIR-CONDITIONER'S
COMPRESSOR



ALSO
SIAM
MITSUBISHI
COMPRESSOR

Features



Panel Options



Elite Cooling Only Wall Type Non-Inverter AC

Model			EHS-12CRN1	EHS-18CRN1	EHS-24CRN1	EHS-30CRN1
Power supply		V-Ph-Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz
Cooling	Capacity	Btu/h	12600	18900	25200	31500
	Input	W	1060	1500	2400	3190
	Rated current	A	4.7	6.6	11	14.5
	EER	W/W	3.47	3.68	3.26	3.12
	EER	(BTU/Hr)/W	11.84	12.56	11.13	10.65
Max. input consumption		W	1400	1950	3470	4350
Max. current		A	7.5	8.3	15.1	25
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
Indoor air flow (Turbo/Hi/Mi/Lo)		m3/h	500/550/600/630	690/750/800/880	830/920/1100/1250	1400/1300/1100
Indoor noise level (Turbo/Hi/Mi/Lo)		dB(A)	41/36/34/32	45/41/39/36	49/45/42/39	49/46/40
Outdoor noise level		dB(A)	54	59	58	57.5
Refrigerant type			R410A	R410A	R410A	R410A
Indoor/Outdoor Net Weight		kg	10.7/27	14.3/40.2	17.4/51.6	17.4/55.0
Operation temperature		°C	17~30	17~30	17~ 30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	875x295x190	985x315x220	1120x225x325	1124x330x245
	Packing (WxDxH)	mm	960x375x285	1070x390x305	1205x405x330	1210x400x327
Outdoor Unit	Dimension (WxDxH)	mm	840x325x550	875x370x600	920x380x710	946x410x810
	Packing (WxDxH)	mm	910x360x615	925x400x665	985x440x765	1090x500x875

Remarks: The above designs and specifications are subject to change without prior notice for product improvement.

ELITE CASSETTE TYPE

Flexiwind Control

The 4 air outlets can be independently controlled for customized comfort.

Optimized Electric Box

Better fire-proof and easy to maintenance.



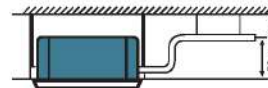
3D Air Flow

The unit has auto horizontal swing and auto vertical swing function which supplies more even and comfortable air flow.



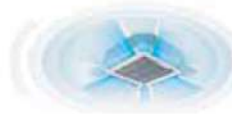
Built-in Drain Pump

The built-in drain pump can lift condensing water up to 1200mm high from the drainage pan.



Fresh Air

Air outside can be lead into the room via a connection pipe, which keeps the the indoor air fresh and healthy



CONTAINS
Panasonic
COMPRESSOR



optional



Elite Cooling Only Cassette Type AC

Model		ECA-18CRN1	ECA-24CRN1	ECA-30CRN1	ECA-36CRN1	ECA-48CRN1	ECA-60CRN1	
Power supply		V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	220-240V,1Ph,50Hz	380~415V,3Ph,-50Hz	380~415V,3Ph,-50Hz	
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	
	Input	W	1760	2390	2500	3800	6000	
	Rated current	A	8	9.2	11.3	7	9.5	
	EER	W/W	3.26	2.98	2.86	2.92	2.87	2.75
	EER	(BTU/h)/W	11.14	10.18	9.77	9.98	9.81	9.40
Max. input consumption		W	2500	2900	3500	5000	6500	
Max. current		A	14	16	18	10	14	
Compressor	Type		Rotary	Rotary	Rotary	SCROLL	SCROLL	
	Brand		GMCC	GMCC	GMCC	Panasonic	Panasonic	
Indoor air flow(Hi/Mi/Lo)		m3/h	1300/1000/900	1300/1000/900	1500/1200/1050	1500/1200/1050	1900/1600/1400	
Indoor noise level(Hi/Mi/Lo)		dB(A)	46/42/36	46/42/36	50/46/40	50/46/40	53/50/46	
Outdoor noise level		dB(A)	59	58	57.5	62.6	62.4	
Refrigerant type			R410A	R410A	R410A	R410A	R410A	
Thermostat type			Remote Controller	Remote Controller	Remote Controller	Remote Controller	Remote Controller	
Operation temperature		℃	17~30	17~30	17~30	17~30	17~30	
Indoor Unit	Dimension (WxDxH)	mm	840x840x246	840x840x246	840x840x246	840x840x246	840x840x288	
	Packing (WxDxH)	mm	910x910x310	910x910x310	910x910x310	910x910x310	910x910x350	
	Panel Dimension (WxDxH)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55	
	Panel Packing (WxDxH)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	
Outdoor Unit	Dimension (WxDxH)	mm	770x300x555	845x363x702	845x363x702	1220x360x910	1220x360x910	
	Packing (WxDxH)	mm	900x348x615	965x395x765	965x395x765	1350x450x1040	1350x450x1040	

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

ELITE CEILING TYPE

Ultra Slim Design

The thickness is only 205mm, save installation space.



Flexible Installation

Vertically installed against the wall or horizontally installed under the ceiling.

CoolSurround 360°

The unit has Horizontal swing and auto vertical swing function, Which supplies more even and comfortable air flow.



Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, Adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Fresh Air

Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.

Features



CONTAINS
Panasonic
COMPRESSOR



Elite Cooling Only Ceiling Type AC

Model			EUB-36CRN1	EUB-48CRN1	EUB-60CRN1
Power supply		V-Ph-Hz	380~415V,3Ph,-50 Hz	380~415V,3Ph,-50 Hz	380~415V,3Ph,-50 Hz
Cooling	Capacity	Btu/h	36000	48000	60000
	Input	W	3800	5200	6000
	Rated current	A	7.1	9.5	11
	EER	W/W	2.77	2.87	2.79
	EER	BTU/Hr/W	9.46	9.81	9.53
Max. input consumption		W	5000	6500	7500
Max. current		A	10	14	15.5
Compressor	Type		SCROLL	SCROLL	SCROLL
	Brand		Panasonic	Panasonic	Panasonic
Indoor air flow(/Hi/Mi/Lo)		m3/h	2000/1800/1250	2000/1800/1250	2000/1800/1250
Indoor noise level(turbo)/Hi/Mi/Lo)		dB(A)	52/47/44	52/47/44	52/47/44
Outdoor noise level		dB(A)	62.6	62.4	65.1
Refrigerant type			R410A	R410A	R410A
Thermostat type			Remote Controller	Remote Controller	Remote Controller
Operation temperature		°C	17~30	17~30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	1600×690×235	1600×690×235	1600×690×235
	Packing (WxDxH)	mm	1680×770×325	1680×770×325	1680×770×325
Outdoor Unit	Dimension (WxDxH)	mm	1220×360×910	1220×360×910	1220×360×910
	Packing (WxDxH)	mm	1350×450×1040	1350×450×1040	1350×450×1040

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

Light Commercial Air Conditioner ELITE FLOOR STANDING & DUCT TYPE

3D Air Flow

The unit has Horizontal swing and auto vertical swing function, Which supplies more even and comfortable air flow.



Flexible Installation

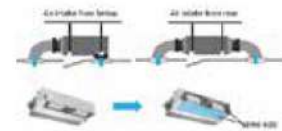
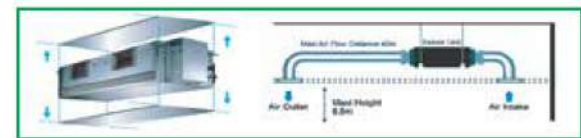
Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements..

Long Distance Wind Blast

The large air outlet and six large air directing blades enable an airflow distance of up to 15 meter.

High Air outlet Static Pressure

Adjustable static pressure from 0 Pa to maximum 160Pa.



Low Noise

Optimized duct and turbine design makes the air conditioner much quieter during its operation.

Features



CONTAINS
Panasonic
COMPRESSOR

Elite Cooling Only Floor Standing Type AC				Elite Cooling Only Duct Type AC					
Model		EFGA-24CRN1	EFGA-36HRN1	EFGA-48CRN1	EFGA-60CRN1	EHC-60HRN1	ETB1T-96CWN1	ETA-120CRN1	
Power supply	V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,3Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz	
Cooling	Capacity	Btu/h	24000	36000	48000	60000	60000	120000	
	Input	W	2700	3550	5250	6000	6360	12000	
	Rated current	A	13.04	15.4	8.80	11.00	11	/	22.5
	EER	W/W	2.74	3.12	2.81	3.03	2.77	2.87	2.79
	EER	BTU/Hr/W	9.36	10.66	9.60	10.52	9.46	9.81	9.53
Max. input consumption	W	3450	4950	6950	8500	7500	15800	17300	
Max. current	A	18	27	12.7	13.0	12.6	26.8	28.6	
Compressor	Type		Rotary	Rotary	SCROLL	SCROLL	SCROLL	SCROLL	
	Brand		GMCC	GMCC	Panasonic	Panasonic	Panasonic	Danfoss	Danfoss
Indoor air flow(Hi/Mi/Lo)	m3/h	1154//980	1491/0/1211	1550/0/1200	2452/0/2035	2400/1850/1490	5100	6375	
Indoor noise level(Hi/Mi/Lo)	dB(A)	47.5/0/40.5	54/0/46	52/0/46	56/0/51	50/46/40	56	79	
Outdoor noise level	dB(A)	60	63.5	62	62	63	/	/	
Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	
Thermostat type		Remote Controller	Remote Controller	Remote Controller	Remote Controller	Remote Controller	Remote Controller	Remote Controller	
Operation temperature	℃	17~30	17~30	17~30	17~30	17~30	17~30	17~30	
Indoor Unit	Dimension (WxDxH)	mm	510x315x1750	540x410x1825	540x410x1825	610x390x1925	1200x874x300	1,452x462x797	1,988x669x906
	Packing (WxDxH)	mm	1910x655x430	1965x690x565	1965x690x565	2070x765x540	1405x915x365	1,555x500x875	2,095x800x964
Outdoor Unit	Panel Dimension (WxDxH)	mm	845x363x702	946x410x810	946x410x810	900x350x1170	900x350x1170	1,312x919x658	1,260x908x700
	Panel Packing (WxDxH)	mm	965x395x775	1090x500x885	1090x500x885	1032x443x1307	1032x443x1307	1,320x1,060x730	1,320x1,060x730

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

MIDEA XTREME INVERTER



Healthy Filters

Midea's fresco tech brings you clean and refreshing air fills your room with the soothing scent of nature.

Energy Saving

Midea Inverter air conditioner can save up to 60% electricity.



High Efficiency Air Fan and Ducts

The optimized air fan and ducts deliver the same volume airflow of with 30 percent less power. It makes Midea's air conditioner an unbeatable choice for energy saving from the ground up.

Wi-fi Control (Optional)

(via smart device)

Heating & Cooling Operation

Can Keep your interior warm during winter season. Lowest air-outlet temperature, 17° within 90s.

DC Inverter

Compressor with inverter DC can increase the efficiency of the air conditioner, this reducing power consumption saves your costs. This system is much more economical and safer than air conditioners with a constant output of compressor.



Features



Midea Heating-Cooling Wall Type Inverter AC					
Model			MSE-12HRI	MSE-18HRI	MSE-24HRI
Power supply		V-Ph-Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz
Cooling	Capacity	Btu/h	12000	18000	24000
	Input	W	1030	1547	1896
	Rated current	A	4.57	6.73	9.3
	EER	W/W	3.58	3.58	3.58
	EER	BTU/Hr/W	12.23	12.23	12.23
Heating	Capacity	Btu/h	12000	18000	24000
	Input	W	1030	1547	1896
	Rated current	A	4.57	6.73	11.0
	COP	W/W	3.58	3.58	3.57
Max. input consumption		W	2000	3059	2800
Max. current		A	9.0	14.5	16
Compressor	Type		/	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
Indoor air flow(turbo)/Hi/Mi/Lo)		m3/h	555/420/360	797.7/611/524	925/740/570
Indoor noise level(turbo)/Hi/Mi/Lo)		dB(A)	39.5/33/26.5	43.5/36.5/29.5	45.5/40/33
Outdoor noise level		dB(A)	55	56.6	58
Refrigerant type			R410A	R410A	R410A
Indoor/Outdoor Net Weight		kg	8.9/24.1	11.5/31.8	13.4/43.1
Operation temperature		°C	17~30	17~30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	835x208x295	969x241x320	1083x335x244
	Packing (WxDxH)	mm	905x355x290	1045x315x405	1155x415x320
Outdoor Unit	Dimension (WxDxH)	mm	765x303x555	805x330x554	890x342x673
	Packing (WxDxH)	mm	887x337x610	915x370x615	995x398x740

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

MIDEA FOREST INVERTER



Healthy Filters

Midea's fresco tech brings you clean and refreshing air fills your room with the soothing scent of nature.



Power Diffuser

Precision wind direction control is realized and ventilation efficiency is also improved by 3 technologies. our air flow control makes your environment more comfortable.

DC Inverter

Compressor with inverter DC can increase the efficiency of the air conditioner, this reducing power consumption saves your costs. This system is much more economical and safer than air conditioners with a constant output of compressor.

Energy Saving

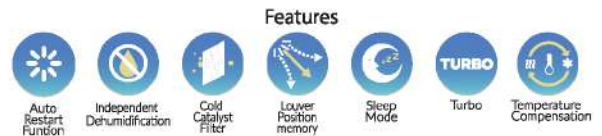
Midea Inverter air conditioner can save up to 60% electricity.

Prime Guard

Midea's primeguard is more resistant in oxidation & corrosion than ordinary fins for condensers to furnish a steadier and long-lasting working environment it can efficiently prevent bacteria from breeding and spreading, and withstand corrosive elements.

Hydrophilic Golden Fin

The unique anticorrosive golden coating on the condenser can withstand the salty air, rain and the other corrosive elements.



Midea Cooling Only Wall Type Inverter AC

Model			MSI-12CRN	MSI-18CRN	MSI-24CRN
Power supply		V-Ph-Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz
Cooling	Capacity	Btu/h	12000	18000	24000
	Input	W	1170	1660	2250
	Rated current	A	5.1	7.2	10.4
	EER	W/W	3.16	3.15	3.15
	EER	BTU/Hr/W	10.80	10.80	10.76
Max. input consumption		W	2050	2400	2800
Max. current		A	9.5	11.8	14.5
Compressor	Type		ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC
Indoor air flow (Hi/Mi/Lo)		m3/h	561/412/333	769/638/515	925/740/570
Indoor noise level(Hi/Mi/Lo)		dB(A)	39.5/32.5/29	41/37/32	45.5/40/33
Outdoor noise level		dB(A)	53.5	54	54.5
Refrigerant type		g	R410A	R410A	R410A
Indoor/Outdoor Net Weight		kg	10.7/27	14.3/40.2	13.6/30.3
Operation temperature		°C	17~30	17~30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	805x194x285	957x213x302	1040x220x327
	Packing (WxDxH)	mm	870x270x365	1035x295x385	1120x405x315
Outdoor Unit	Dimension (WxDxH)	mm	700x275x550	770x300x555	845x363x702
	Packing (WxDxH)	mm	815x325x625	900x348x625	965x395x775

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

Residential Air Conditioner
MIDEA
XTREME ON-OFF
 (NON-INVERTER)

High Density Filters

Compared with ordinary dust filter, the anti-dust effect of this high density filter can increase more than 50%, it can clean dust, pollen up to 80%



3D Airflow

The directional air-outlet moves automatically both horizontally and vertically, directing nice and cool airflow with the angle airflow to fill the every corner of the room.

Hydrophilic Golden Fin

The unique anticorrosive golden coating on the condenser can withstand the salty air, rain and the other corrosive elements.

Long-Distance Windblast

The optimized air duct design synergizes with the turbo fan speed to deliver longer airflow.

Display Off Operation

Want to turn off the AC and display! By pressing mute operation, Midea AC help to give you a quiet and comfortable night.

Wi-fi Control (Optional) (via smart device)

Features



Panel Options



Midea Cooling Only Wall Type Non-Inverter AC

Model			MSG-12CRN1	MSG-18CRN1	MSG-24CRN1	MSG-30CRN1
Power supply		V-Ph-Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz
Cooling	Capacity	Btu/h	12000	18000	24000	30000
	Input	W	1100	1600	2200	2720
	Rated current	A	5.1	7.2	8.9	13.5
	EER	W/W	3.16	3.15	3.15	3.15
	EER	BTU/Hr/w	10	10	10	10
Max. input consumption		W	2050	2400	2800	4000
Max. current		A	9.5	11.8	13.5	22
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY
	Brand		GMCC	GMCC	GMCC	GMCC
Indoor air flow(Hi/Mi/Lo)		m3/h	630	820/630/550	1150/1060/1030	1400/1300/1000
Indoor noise level(Hi/Mi/Lo)		dB(A)	38/35/33			
Outdoor noise level		dB(A)	53.5	54	54.5	57.5
Refrigerant type			R410A	R410A	R410A	R410A
Indoor/Outdoor Net Weight		kg	10.7/27	14.3/40.2	17.4/51.6	
Operation temperature		°C	17~30	17~30	17~ 30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	850x300x198	969x241x320	1083x244x336	1259x282x362
	Packing (WxDxH)	mm	920x370x282	1045x315x405	1155x315x405	1340x450x385
Outdoor Unit	Dimension (WxDxH)	mm	770x300x555	770x300x555	845x363x702	946x410x810
	Packing (WxDxH)	mm	815x325x625	900x348x625	965x395x775	1090x500x875

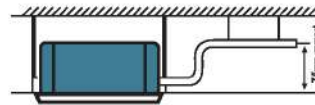
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Light Commercial Air Conditioner
MIDEA
CASSETTE TYPE



Built-in Drain Pump

The drain pump can lift the condensing water up to 750mm



Flexiwind Control

The 4 air outlets can be independently controlled for customized comfort.

Super Slim Design

The slim cassette is much slimmer. Its now requires less space for installation.

CoolSurround 360°

The unit has Horizontal swing and auto vertical swing function, Which supplies more even and comfortable air flow.



Optimized Electric Box

Better fire-proof and easy to maintenance.



Fresh Air

Air outside can be lead into the room via a connection pipe, which keeps the the indoor air fresh and healthy.



Features



Anti-cold Air-Function



Auto Defrosting



Independent Dehumidification



Timer



Midea Cooling Only Cassette Type AC

Model			MCA-18CRN1	MCA-24CRN1	MCA-30CRN1	MCA-36CRN1	MCA-48CRN1	MCA-60CRN1
Power supply		V-Ph-Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	187-264V,1Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz
Cooling	Capacity	Btu/h	18000	24000	30000	36000	48000	60000
	Input	W	1693	2550	3400	4000	5150	6500
	Rated current	A	7.36	12.70	15.80	8.2	8.7	10.5
	EER	W/W	3.26	2.98	2.86	2.92	2.87	2.75
	EER	(BTU/Hr)/W	11.14	10.18	9.77	9.98	9.81	9.40
Max. input consumption		W	2100	3470	4900	5350	6100	8500
Max. current		A	9.1	15.1	23	11.7	12	13
Compressor	Type		ROTARY	ROTARY	ROTARY	ROTARY	SCROLL	SCROLL
	Brand		GMCC	GMCC	GMCC	GMCC	Panasonic	Panasonic
Indoor air flow(Hi/Mi/Lo)		m3/h	1100/950/880	1400/1200/950	1700/1500/1400	1800/1500/1300	1900/1600/1400	1900/1500/1300
Indoor noise level(Hi/Mi/Lo)		dB(A)	42/39/35	43/41/37	45/43/41	53/50/47	54/52/50	55/53/51
Outdoor noise level		dB(A)	59	58	57.5	62.6	62.4	65.1
Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		℃	17~30	17~30	17~ 30	17~ 30	17~ 30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	830x230x830	830x230x830	830x290x830	840x840x245	840x840x245	840x840x287
	Packing (WxDxH)	mm	925x285x925	925x285x925	925x360x925	900x900x265	900x900x265	900x900x292
	Panel Dimension (WxDxH)	mm	950x45x950	950x45x950	950x45x950	950x55x950	950x55x950	950x55x950
	Panel Packing (WxDxH)	mm	1035x80x1035	1035x80x1035	1035x80x1035	1035x90x1035	1035x90x1035	1035x90x1035
Outdoor Unit	Dimension (WxDxH)	mm	770x300x555	845x363x702	845x363x702	946x410x810	900x350x1170	900x350x1170
	Packing (WxDxH)	mm	900x348x615	965x395x765	965x395x765	1090x500x875	1032x443x1307	1032x443x1307

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MIDEA CEILING TYPE

Easy Maintenance

More than 60% parts and assemblies (such as fan wheels, plastic cases, metal parts etc.) are universal for 3 different bodies, which makes the production and maintenance much easier.

Ultra Slim Design

The thickness is only 205mm, save installation space.



3D Air Flow

The unit has Horizontal swing and auto vertical swing function, Which supplies more even and comfortable air flow.



Fresh Air Intake

Air outside can be lead into the room via a connection pipe, which keeps the indoor air fresh and healthy.

Innovative Centrifugal Fan

All units are equipped with 3-speed fan mode, Adjusting the air flow rate in accordance with the ceiling height. Innovative centrifugal fan provides larger air volume but lower noise, making the air supply more quietly and smoothly.



Features



Auto Restart Function



Anti-cold Air-Function



Auto Defrosting



Independent Dehumidification



Timer



Sleep Mode

Midea Cooling Only Ceiling Type AC

Model			MUB-36CRN1	MUB-48CRN1	MUB-60CRN1
Power supply		V-ph-Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz
Cooling	Capacity	Btu/h	36000	48000	60000
	Input	W	4000	5150	6300
	Rated current	A	8.2	8.7	10.3
	EER	W/W	2.77	2.87	2.79
	EER	BTU/Hr/W	9.46	9.81	9.53
Max. input consumption		W	5350	6100	8500
Max. current		A	11.7	12	13
Compressor	Type		ROTARY	SCROLL	SCROLL
	Brand		GMCC	Panasonic	Panasonic
Indoor air flow/(Hi/Mi/Lo)		m3/h	1800/1500/1300	2300/1900/1700	2300/1900/1700
Indoor noise level(turbo)/Hi/Mi/Lo)		dB(A)	53.4/49.7/47.3	57/53/50	58/55/52
Outdoor noise level		dB(A)	62.6	62.4	65.1
Refrigerant type			R410A	R410A	R410A
Thermostat type			REMOTE CONTROLLER	REMOTE CONTROLLER	REMOTE CONTROLLER
Operation temperature		°C	17~30	17~30	17~ 30
Indoor Unit	Dimension (WxDxH)	mm	1285x675x235	1650x675x235	1650x675x235
	Packing (WxDxH)	mm	1360x755x313	1725x755x313	1725x755x313
Outdoor Unit	Dimension (WxDxH)	mm	946x410x810	900x350x1170	900x350x1170
	Packing (WxDxH)	mm	1090x500x875	1032x443x1307	1032x443x1307

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

Light Commercial Air Conditioner

MIDEA FLOOR STANDING

3D Air Flow

The unit has Horizontal swing and auto vertical swing function, Which supplies more even and comfortable air flow.



Long Distance Wind Blast

The large air outlet and six large air directing blades enable an airflow distance of up to 15 meter.

Healthy Filters

Midea's fresco tech brings you clean and refreshing air fills your room with the soothing scent of nature.

Simple & Elegant Design

The modern and unique design of Midea's air conditioner delivers a premium look.

Low Noise

Optimized duct and turbine design makes the air conditioner much quieter during its operation.

Features



Midea Cooling Only Floor Standing Type AC

Model			MFGA-24ARN1	MFGA-36HRN1	MFGA-48CRN1	MFGA-60CRN1
Power supply		V-Ph-Hz	220-240V,1Ph,50Hz	220-240V,3Ph,50Hz	380-415V,3 Ph,50Hz	380-415V,3 Ph,50Hz
Cooling	Capacity	Btu/h	24000	36000	48000	60000
	Input	W	2700	3550	5250	6000
	Rated current	A	13.04	15.4	8.8	11
	EER	W/W	2.74	3.12	2.81	3.03
	EER	BTU/HR/W	9.36	10.66	9.60	10.52
Max. input consumption		W	3450	4950	6950	8500
Max. current		A	18.0	27	12.7	13
Compressor	Type		ROTARY	ROTARY	SCROLL	SCROLL
	Brand		GMCC	GMCC	PANASONIC	PANASONIC
Indoor air flow(/Hi/Mi/Lo)		m3/h	1154///980	1491/0/1211	1550/0/1200	2452/0/2035
Indoor noise level(turbo)/Hi/Mi/Lo)		dB(A)	47.5/0/40.5	54/0/46	52/0/46	56/0/51
Outdoor noise level		dB(A)	60	63.5	62	62
Refrigerant type			R410A/1.8	R410A/2.95	R410A	R410A
Thermostat type			Remote Control	Remote Control	Remote Control	Remote Control
Operation temperature		°C	17~30	17~30	17~30	17~30
Indoor Unit	Dimension (WxDxH)	mm	510x315x1750	540x410x1825	540x410x1825	610x390x1925
	Packing (WxDxH)	mm	1910x655x430	1965x690x565	1965x690x565	2070x765x540
Outdoor Unit	Dimension (WxDxH)	mm	845x363x702	946x410x810	946x410x810	900x350x1170
	Packing (WxDxH)	mm	965x395x775	1090x500x885	1090x500x885	1032x443x1307

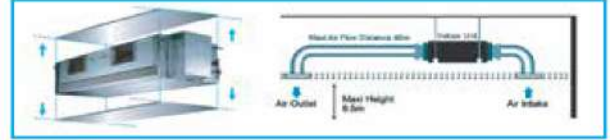
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Light Commercial Air Conditioner

MIDEA DUCT TYPE

High Air Outlet Static Pressure

Max Static Pressure of indoor unit is 200 Pa
No matter whenever you are, you can enjoy very comfortable air flow.



Multi Channel Air Distribution Suitable for Different Room Type



Easy Maintenance

The unit can be opened from top or bottom.

Heating & Cooling Operation

Can keep your interior warm during winter season.

Features



Midea Heating-Cooling Duct Type AC

Model			MHC-48HRN1	MHC-60HRN1	MTB1T-96CWN1	MTA-120CRN1
Power supply		V-Ph-Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz	380-415V,3Ph,50Hz
Cooling	Capacity	Btu/h	48000	60000	96000	120000
	Input	W	5350	6360	9600	12000
	Rated current	A	9.2	11	/	22.5
	EER	W/W	2.76	2.66	3.08	3.07
	EER	W/W	9.43	9.09	10.52	10.49
Heating	Capacity	(BTU/Hr)/W	57750	63000	/	/
	Input	W	4815	5540	/	/
	Rated current	A	8.3	9.3	/	/
	COP	W/W	3.52	3.33	/	/
Max. input consumption		W	6300	7500	15800	17300
Max. current		A	11	12.6	26.8	28.6
Compressor	Type		SCROLL	SCROLL	SCROLL	SCROLL
	Brand		PANASONIC	PANASONIC	Danfoss	Danfoss
Indoor air flow(Hi/Mi/Lo)		m3/h	2100/1850/1490	2400/1850/1490	5100	6375
Indoor noise level(Hi/Mi/Lo)		dB(A)	48.5/45/41	50/46/40	56	79
Outdoor Air flow		m3/h	0	6000	/	/
Outdoor noise level		dB(A)	63	63	/	/
ESP		Pa	0-160	0-160	100	150
Refrigerant type			R410A	R410A	R410A	R410A
Thermostat type			Wire Control	Wire Control	Wire Control	Wire Control
Operation temperature		°C	17~30	17~30	17~30	17~30
Indoor Unit	Dimension (WxDxH)	mm	1200x874x300	1200x874x300	1,452x462x797	1,988x669x906
	Packing (WxDxH)	mm	1405x915x365	1405x915x365	1,555x500x875	2,095x800x964
Outdoor Unit	Dimension (WxDxH)	mm	900x350x1170	900x350x1170	1,312x919x658	1,260x908x700
	Packing (WxDxH)	mm	1032x443x1307	1032x443x1307	1,320x1,060x730	1,320x1,060x730

Remarks: The above design and specifications are subject to change without prior notice for product improvement.



Residential Air Conditioner

MIDEA PORTABLE AIR-CONDITIONER

Power Management

When room temperature reached setting temperature, power management control system will get unit running into low input standby mode, which cut 95% power off.



Midea Cooling Only Portable			
Model		MWF-12CMP	
Power supply	V-Ph-Hz	380-415V,3 Ph,50Hz	
Cooling	Capacity	Btu/hr	12600
	Input	W	1135
	Current	A	5.0
	EER	W/W	3.26
Standby power_DOE	W	/	
Off-cycle_DOE:	W	/	
Moisture Removal (26.7/20.9°C)	L/h	0	
Moisture Removal (30/27.1°C)	L/h	3.35	
Moisture Removal (35/28.3 °C)	L/h	0	
Starting current	A	21	
Indoor side air flow (Hi/Mi/Lo)	m3/h	435/400/350	
Indoor side noise level(Hi/Mi/Lo)	dB(A)	52.5/50.5/49.5	
Compressor	Type	/	
	Brand	GMCC	
Outdoor side noise level (Hi)	dB(A)	55.5	
Design pressure	MPa	1.5/4.2	
Control type	Remote Control		
Refrigerant type	R410A		
Operation temp (room temp.)	°C	17-35	
Application area (Cooling Standard)	m2	16/23	
Dimension (WxDxH)	mm	458x373x775	
Packing (WxDxH)	mm	510x440x880	

Remarks: The above design and specifications are subject to change without prior notice for product improvement.



Residential Air Conditioner

MIDEA DEHUMIDIFIER UNIT



Smart Dehumidification

Automatically control room humidity in a comfortable range 45%-55% according to room temperature, inhibit bacterial growth.

Dryer Mode

Intelligent dryer mode to dry up clothes quickly.

Midea Dehumidifier			
Model		MDDP-30DEN1	
Power supply		380-415V,3 Ph,50Hz	
Performance (30°C/80%)	Moisture removal	L/day	30
	Rated input	W	465
	Rated current	A	2.9
	EEV	L/kWh	1.3
Performance (27°C/60%)	Moisture removal	L/day	18
	Rated input	W	395
	Rated current	A	1.9
	DER	L/kWh	1.3
Performance (26.7°C/80%)	Moisture removal	L/day	/
	Rated input	W	465
	Rated current	A	/
	EF	L/kWh	/
Compressor	Type	ROTARY	
	Brand	GMCC	
Starting current	A	11	
Air flow (Hi/Mi/Lo)	m3/h	220/0/180	
Noise level (Hi/Mi/Lo)	dB(A)	49.5/0/48.5	
Refrigerant type	R410A		
Ambient temperature	°C	5-35	
Application area	m2	58-73	
Dimension (WxDxH)	mm	386x260x500	
Packing (WxDxH)	mm	420x297x532	

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

Commercial Air Conditioner

R410A DC Inverter VRF A/C 50Hz

VX Modular Series



61.5/67 kw

VXi Individual Series



90 Kw
25.5 TR

VC Pro Individual & Modular Series



61.5/85.0 Kw
17.5/24.2 TR

Midea Heating-Cooling VRF Outdoor Unit

Capacity		HP	22	24	32
Model			MVX-615WV2GN1	MVX-670WV2GN1	MVX-900WV2GN1
Power supply		V/Ph/Hz	380-415V 3N~ 50/60HZ	380-415V 3N~ 50/60HZ	380 415/3/50(60)
Cooling ¹	Capacity	kW	61.5	67.0	90.0
		kBtu/h	209.8	228.6	307.1
	Power input	kW	15.38	17.87	24.66
	EER	kW/kW	3.75	4.00	3.65
Heating ²	Capacity	kW	69.0	75.0	100.0
		kBtu/h	235.4	255.9	341.2
	Power input	kW	16.83	17.16	23.36
	COP	kW/kW	4.10	4.37	4.28
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity	50-130% of outdoor unit capacity	50 130% of outdoor unit capacity
	Max. quantity		36	39	53
Compressors	Type		DC inverter	DC inverter	DC inverter
	Quantity		2	2	2
Fan motors	Type		DC	DC	DC
	Quantity		2	2	2
	Max. ESP	Pa	0-20 (default); 20-60 (customized)	0-20 (default); 20-60 (customized)	0-20 (default); 20-60 (customized)
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	kg	17	25	25
Pipe connections ³	Liquid pipe	mm	Φ19.1	Φ19.1	Φ22.2
	Gas pipe	mm	Φ31.8	Φ31.8	Φ38.1
Airflow rate	m ³ /h		17000	17000	24000
Sound pressure level ⁴	dB(A)		63	63	64
Net dimensions (WxHxD)	mm		1340×1635×825	1340 × 1635 × 825	1730×1830×850
Packed dimensions (WxHxD)	mm		1405×1805×910	1405×1805×910	1800×2000×910
Net weight	kg		348	348	475
Gross weight	kg		368	368	507
Ambient temp. operating range	Cooling	°C	-5 ~ 54	-5 ~ 54	-5 ~ 54
	Heating	°C	-23 ~ 24	-23 ~ 24	-24~25

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

Midea Cooling Only VRF Outdoor Unit

Capacity		HP	22	30
Model			MVC-615WV2GN1	MVC-850WV2GN1
Power supply		V/Ph/Hz	380-415V 3N~ 50/60HZ	380-415V 3N~ 50/60HZ
Cooling ¹	Capacity	kW	61.5	85.0
		kBtu/h	210.0	249.3
	Power input	kW	20.23	29.51
	EER	kW/kW	3.04	2.88
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity	50-130% of outdoor unit capacity
	Max. quantity		36	50
Compressors	Type		DC inverter	DC inverter
	Quantity		2	2
Fan motors	Type		DC	DC
	Quantity		2	2
	Static Pressure	Pa	20 default;60 customization option	20 default;60 customization option
Refrigerant	Type		R410A	R410A
	Factory charge	kg	13	19
Pipe connections ³	Liquid pipe	mm	Φ19.1	Φ22.2
	Gas pipe	mm	Φ31.8	Φ31.8
Sound pressure level ⁴	dB(A)		63	64
Net dimensions (WxHxD)	mm		1250×1615×765	1585×1615×765
Packed dimensions (WxHxD)	mm		1305×1790×820	1650×1810×840
Net weight	kg		278	338
Gross weight	kg		297	362
Ambient temp. Cooling	°C		-5 °C to 55 °C	-5 °C to 55 °C

Remarks: The above design and specifications are subject to change without prior notice for product improvement.

VRF Indoor Units 50Hz



One-way Cassette
1.8-3.6kW



Compact Four-way Cassette
1.5kW-2.2-4.5kW



One-way Cassette
4.5-5.6kW



Four-way Cassette
2.8-14kW



Two-way Cassette
2.2-7.1kW

Cassette

Medium Static Pressure Duct



1.5kW-14kW



8.0-14kW



7.1-5.6KW

High Static Pressure Duct

Wall-mounted



S Type 1.5kW-2.2-5.6kW



M Type 2.2W-5.6W

Console



2.2-4.5kW

Fresh Air Processing Unit



12.5-14kW



20-28kW

HRV (Heat Recovery Ventilator)



200-1000m³/h



1500/2000m



Water Cooled Centrifugal Chiller

Type



Capacity

700RT-1200RT single stage
700RT-2200RT dual stages
R134a
COP 5.6~6.8
High efficiency

Water Cooled Screw Chiller (Flooded & Dx)

Type



Capacity

380/440/690/805/890/
1080/1200/1385/1600/1780kW
Singal /Dual compressor

Air Cooled Screw Chiller

Type



Capacity

380/500/600/720kW
900/1000/1200/1420 kW
Dual compressors
R134a
Module combination for large capacity

Air Cooled Scroll Chiller (Aqua Power Series)

Type



Capacity

30/60/65/120/130/180/200/250 kW
Cooling
Scroll compressor
R410A
Module combination for large capacity

Air Cooled Scroll Chiller (Aqua Super Series)

Type



Capacity

25/35/65/80
130kW Module
Cooling
Scroll compressor
R410A
Module combination for large capacity

Air Handling Unit (AHU)

Type



Capacity

Modular air handling unit
3000-200000 m³/h

Fan Coil unit (FCU)

Type



Capacity

Two pipes and four pipes
Air flow : 150-2200 CFM
Cooling capacity: 1.15-20kW



EV CHARGING SOLUTION



GREEN TECHNOLOGY ZERO-CARBON LIFE



Workplace



Parking



Home



App



OCPP1.6J



7kW/11kW/22kW



Warranty 2 years

FEATURES

7~ 22kW
 AC Level 2 Chargers With Power Output From 7 KW To 22kW

OCPP1.6
 Protocol (OCPP) 1.6 User-Friendly With RFID

Multiple installation
 Wall or Floor-Mounted Versions Available


 240VAC 50-60Hz Single-Phase
 380-415VAC 50-60Hz Three-Phase


 Ethernet, 4G And WI-FI Network Connections


 CE, IEC 61851-1, IEC 61851-22-1
 IEC 62196-2 Type 2 Socket

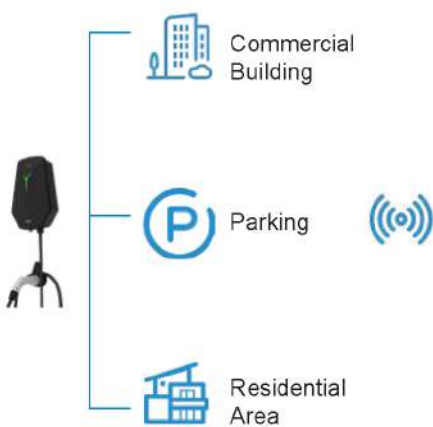


Pacific Blue AC Charger The Best Choice for Your Business

Charging Network

Backend Office

Applications



EV Charging Network Management System

-  Intelligent Charging Management
-  Transaction Record;
-  Real -Time Monitor
-  Error Record

Pacific Blue Charger is Dedicated to Innovating AC Chargers for residential, commercial and public applications.

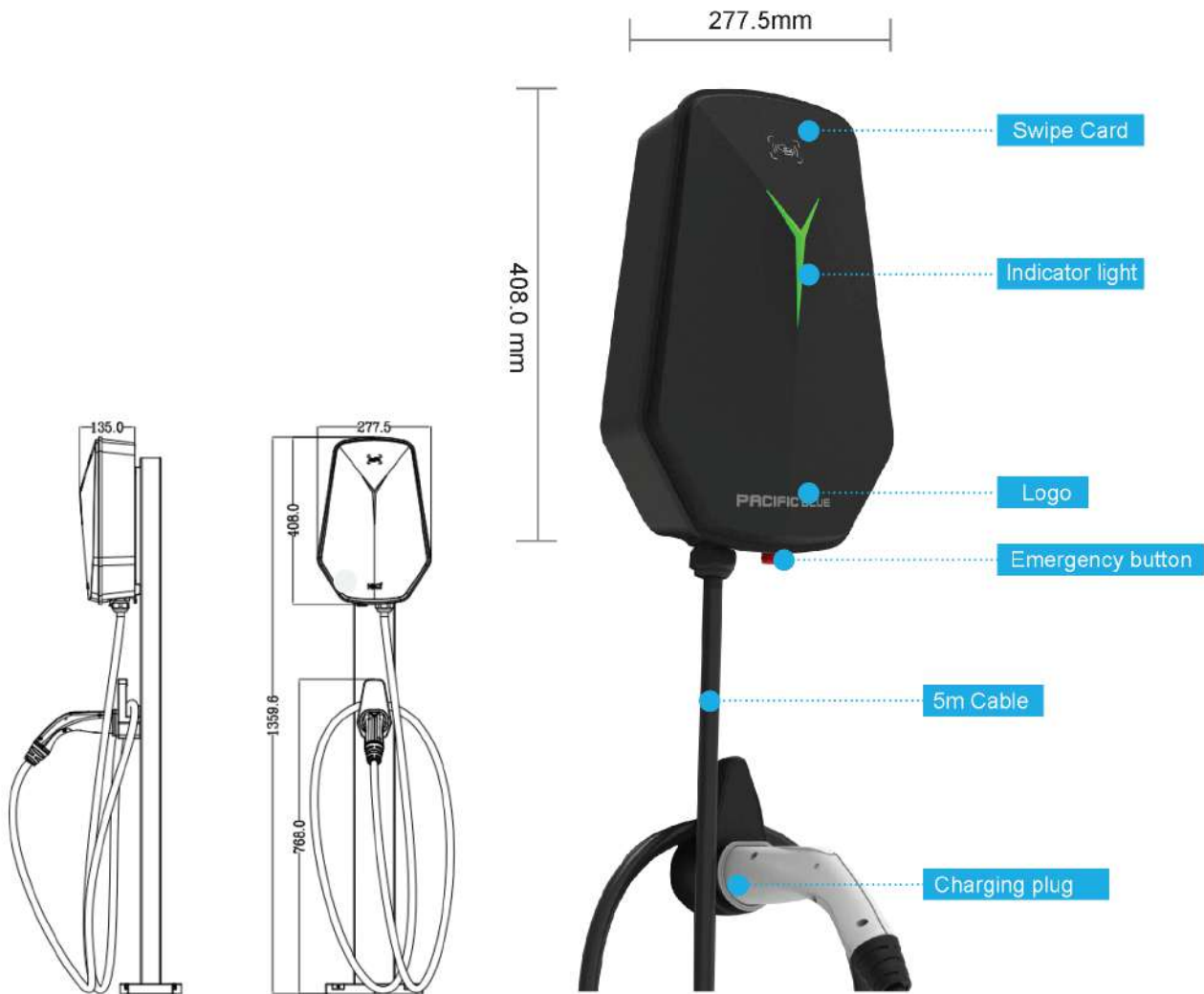


Pacific Blue Charger are durable and reliable level 2 AC electric vehicle charger. It is designed for easy operation at home or commercial use.

Application	Home	Commercial	
		Standard	High
Charging Mode	Plug & Charge Bluetooth	APP RFID Card	APP RFID Card
Input Rating	230Vac +/- 10%/1Phase 400Vac +/- 10%/3Phase		
Rated Frequency	50Hz		
AC Input Connection	L/N/PE		
Max.Input Current (A)	16A/32A		
Frequency (Hz)	45-65		
User Authentication	RFID	APP	APP
External	Ethernet/4G		
Internal	--	OCPP 1.6JSON	OCPP 1.6JSON
Operating Temperature(°C)	-30~55		
IP Level	IP65		
Humidity (%)	5 ~ 95 RH non-condensing		
Cooling Method	Natural Cooling		
Cable Length (m)	5m		
Protection	Overvoltage Protection, Overload Protection, Earth Leakage Protection, Over-Temp Protection, Under Voltage Protection, Short Circuit Protection, Ground Protection, Surge Protection.		
input & Output Protection	OCP:<35.2A / OVP:>275V /UVP:<160V		
Leakage Detection	RCD Type B 6mA		
Safety	TUV/CE		
Charging Interface	IEC 62196-2:2016,Type 2 Plug		

Pacific Blue Charger
Commercial Allow for
Wi-fi,Bluetooth, Ethernet
and 4g Connection.

Built-In Independent Electric
Meter, make charging smart
and simple.



Pacific Blue Oceania Ltd.

A: 6 Cutleaf Crescent, Tarniet VIC 3029, Australia

T: +61450665186 E: info@pacificbluegroup.com W: www.pacificbluegroup.com

FIRE ALARM AND DETECTION SYSTEM

The Fire Alarm and Detection System is the efficient system to ensure the maximum protection and safety of any possible fire hazards. This highly effective unit is all up to the mark with special intelligent control panels and specialized fire alarm and detection system to react to the earliest sign of any impending fire occurrence. In our system, we work to deploy control panel, smoke detector, heat detector, manual call point, pull station, sounder/hooter, monitor module, isolator etc.

Certifications: All devices of detection system are UL listed



Fire Protection (Standpipe / Hydrant) :

Standpipe system is a series of pipes. This is an extension of the fire hydrant system. This system connects a hose to the hydrant and eventually opens a valve in it to provide a strong flow of water. It links this hose to a fire engine which can pump to boost a powerful water pressure and thus splits into multiple streams. Major items consisting of this system are fire pump sets, hosepipe, hose reel, landing valves, y- strainer etc.

Certifications: All items of hydrant system are FM/LPCB/UL listed.



Fire Protection (Sprinkler) :

A fire sprinkler is an active fire protection method consisting of a water supply system, providing adequate pressure to a water piping system onto which fire sprinklers are connected. This system maximizes water pressure over the point of fire origin and minimizes the water damaging the building. In the system, major items are sprinkler, fire pump sets, zone control valve, different types of valves.

Certifications: All items of sprinkler system are FM/LCPB/ UL listed



Fire Door :

Fire Door is a door with a fire resistance rating used as a part of passive fire protection system to reduce the spread of fire and smoke between compartments and enables a safe exit from a building or structure. A fire door contains door frame, vision panel (glass), door coordinator, panic bar, hinges, external trim, smoke seal, door closer, electromagnetic door holder etc

Types: Metal door

Ratings: 90 min., 120 min., 180 min.

Certifications: All accessories of fire door are UL listed.



Glass Door and Partitions :

The need for a quality ensured and reliable fire protection system in commercial buildings, office complexes in Bangladesh have a gained significant importance in recent years.

Fire and fire related hazards can cause heavy loss to life, properties and critical data. Simple measures such as implications of glass door and partition are worth the assurance of safety to life and property. Moreover, it emphasizes an impressive look to the entire environment of the office or building interior.

We are here for you in to provide quality, safety and quick solution in this area.

As most fire doors are designed to be kept closed most of the time, some doors are designed to be open under normal circumstances and be automatically closed in occurrence of fire. In any situation, we make sure of the easy movement of doors, avoiding any impairment.

Certifications: UL listed rating 30, 60, 90, and 120 min.

MATERIAL SOURCING

We have established strong relationships with trusted suppliers, allowing us to source high-quality materials at competitive prices, ensuring the reliability and durability of our solutions.

COMMISSIONING

We ensure that all systems are commissioned properly to operate at peak efficiency, providing our clients with systems that deliver on their performance promises.

Why Choose Surge Engineering:

Energy Efficiency: Our focus on energy-efficient solutions helps our clients reduce operational costs and minimize their environmental impact.

Experience: With years of experience in the field, our team has a deep understanding of the industry, enabling us to deliver top-quality services.

Customization: We tailor our solutions to meet the unique needs of each client, ensuring that our services align with their specific goals and objectives.

Reliability: Our commitment to using high-quality materials and industry-standard practices ensures the longevity and reliability of our solutions.

Surge Engineering is dedicated to being a driving force in the pursuit of a sustainable and energy-efficient future. Join us in making a positive impact through innovative engineering solutions.

ESTEEMED CUSTOMERS

