

HYUNDAI

HYUNDAI AIR CONDITIONING

Commercial Air Conditioning
VRF Systems Catalogue

2017

”Only a person who thinks he can do it will make it. If you doubt it, you will only do it to that extent. If you think you can’t do it, you won’t be able to do it at all.”

– by the founder of Hyundai, the late Chung Ju-yung



HYUNDAI SPIRIT

Creative Foresight • Positive Thinking • Unwavering Drive

CREATIVE FORESIGHT

‘Creative Foresight’ means a wisdom that always pursues newness and freshness with future-oriented thinking in order to satisfy the needs of customers and our society. Hyundai has worked on its business with strong tenacity to make something out of nothing.

POSITIVE THINKING

‘Positive Thinking’ means a sense of ownership as a Hyundai person and an positive attitude for everything. The history of Hyundai has been established on the sweat and the positive thinking of a great number of Hyundai people.

UNWAVERING DRIVE

‘Unwavering Drive’ means an attitude to devote oneself to a certain goal with ‘I Can Do It!’ spirit. Hyundai members have achieved things that others gave up for with a strong drive even under the worst of conditions.

HYUNDAI Beyond Boundaries

CONTENTS

Technology	8
HECO C Series	16
HECO R Series	22
HECM MINI Series	28
Indoor units	32
Controllers and software	36



HYUNDAI GLOBAL BRAND

An enterprise going beyond the business boundaries to the world.

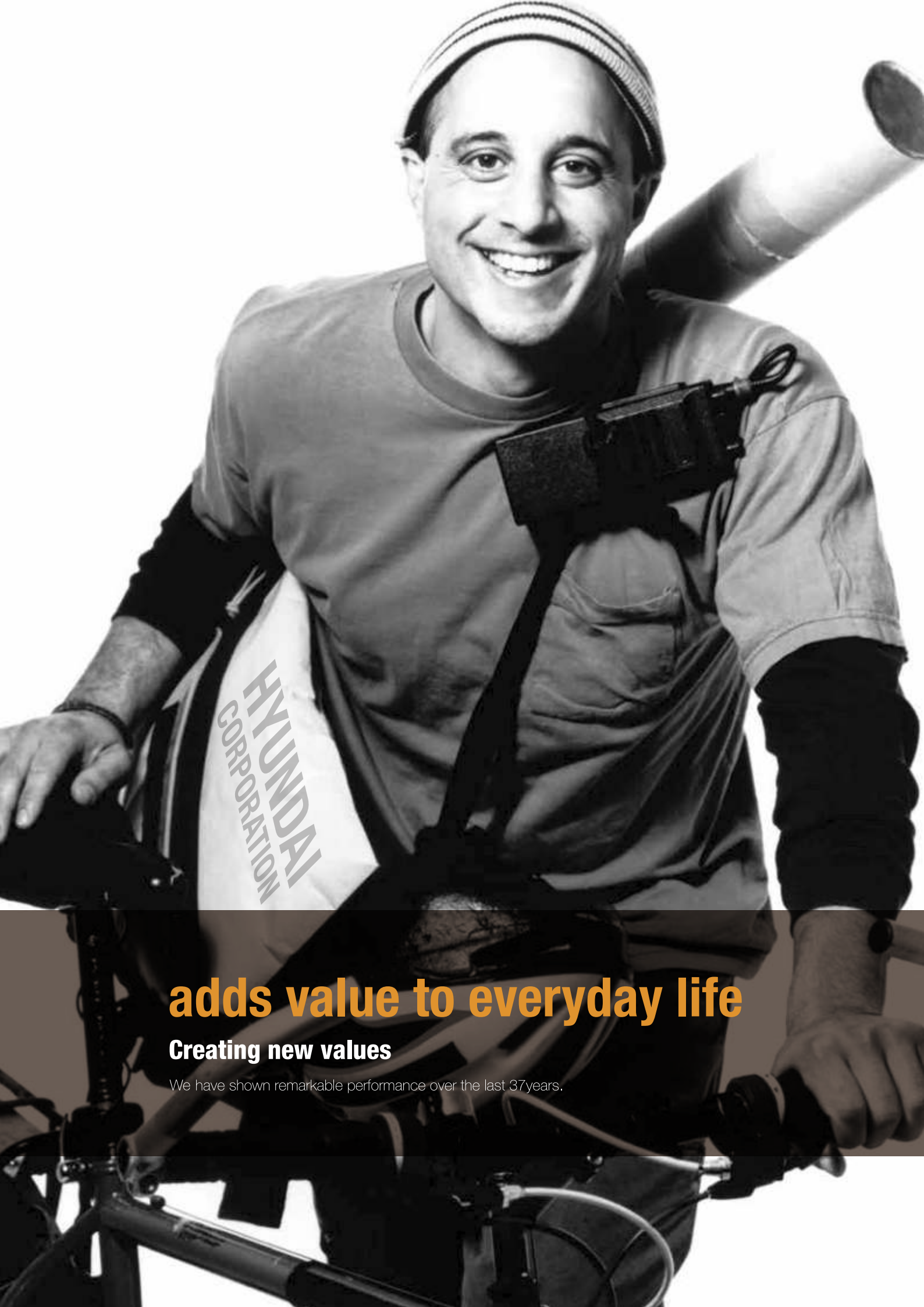
Hyundai Corporation was established in 1976 as an import and export trading house of Hyundai Group. It has grown as a representative general trading company in Korea with excellent results in international trade focusing on heavy chemical products, overseas investment, and energy & resource development fields with the whole world as its stage.

Hyundai Corporation has over 40 global business networks located all over the world.

Based on quick intelligence capabilities, skilled trading techniques and excellent financing abilities, Hyundai Corporation provides customers with products and services under the optimum condition required by customers by developing various heavy chemical industrial products such as ships, machines, plants, automobiles, steel, metal, chemicals, electric and electronic products.

Based on the brand of 'Hyundai', which has grown to as a global branch, we are also creating new growth engines in high-tech home appliances, info-communications and high value added new products.

As a part of Hyundai Heavy Industries Group, which is the No.1 enterprise in the world, we will wisely overcome rapidly changing trade environments and develop new business fields such as industrial distribution, cultural contents, bio and new renewable energy fields to prepare to take off for the future.

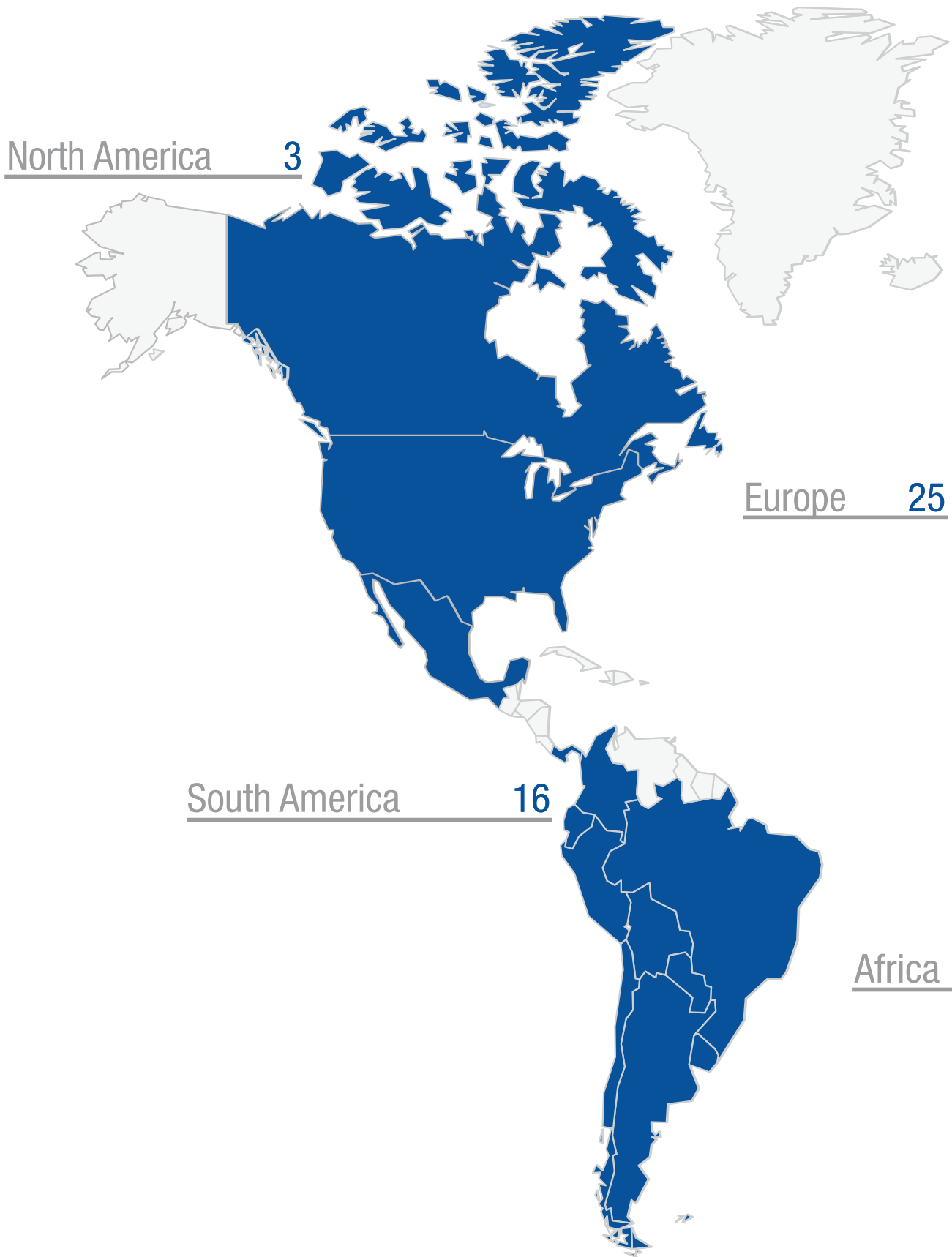


HYUNDAI
CORPORATION

adds value to everyday life

Creating new values

We have shown remarkable performance over the last 37 years.

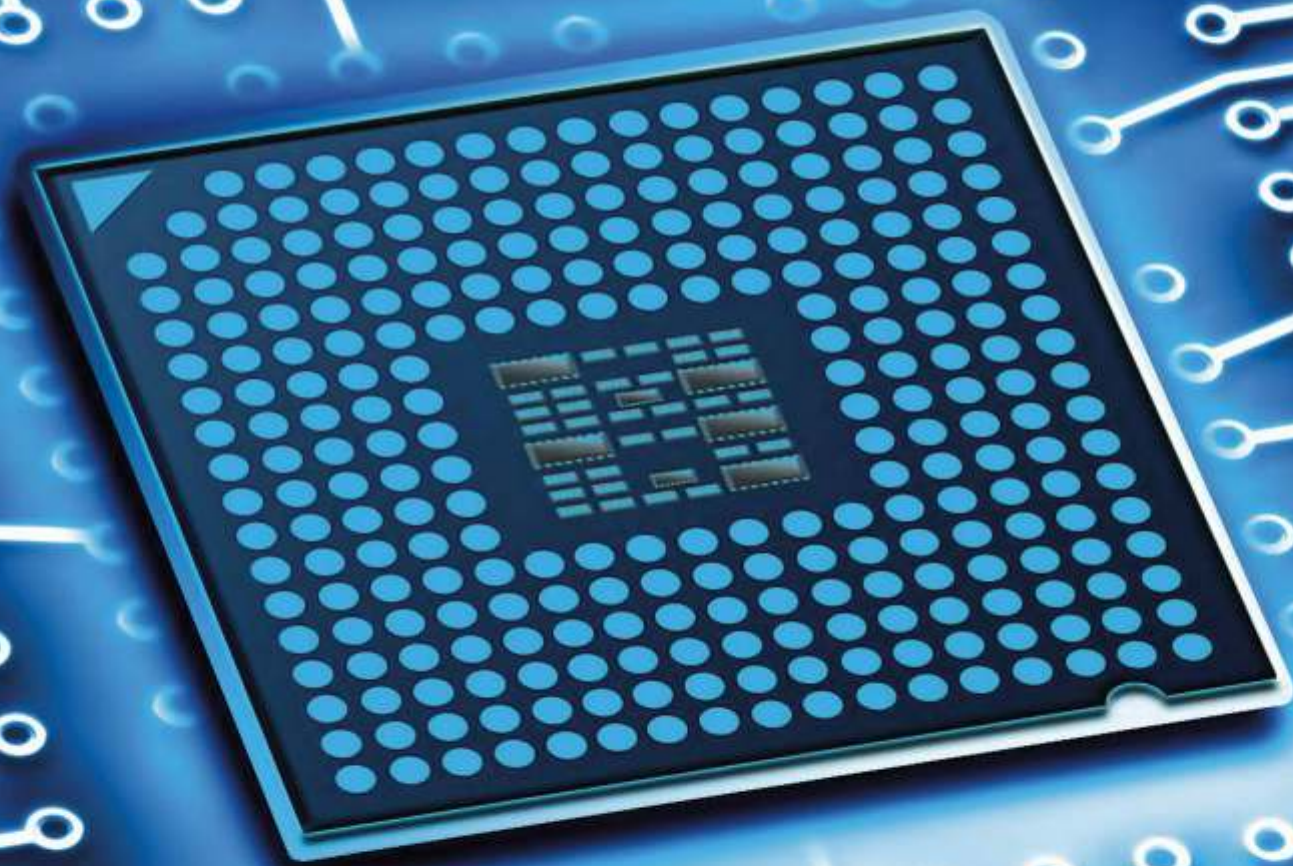




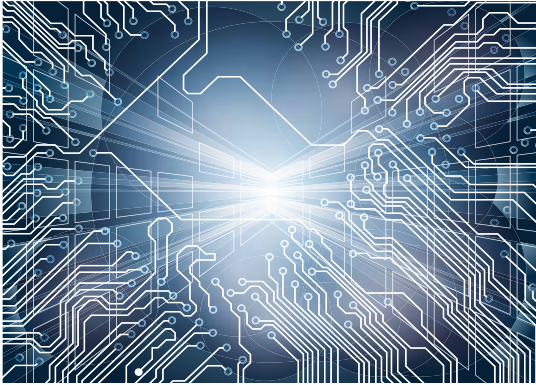
HYUNDAI

HYUNDAI

Technology



HYUNDAI VRF TECHNOLOGY



HYUNDAI systems offer unlimited possibilities in design and installation. Thus, HYUNDAI creates friendly, comfortable and pleasant living environment as always. New HECO and HECM system's comfort technologies include quick cooling and heating, precise temperature control, low noise and, so on, we strive to create livable environment for users.

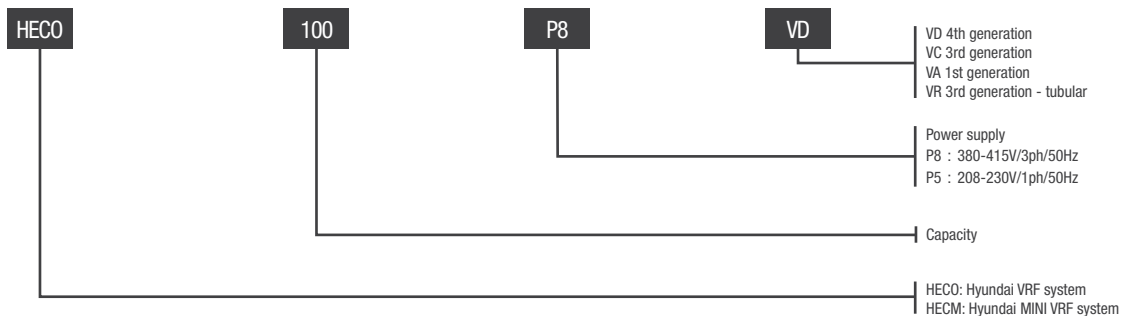
The series includes HECO-C 2-pipe systems, HECO-R 3-pipe systems with the possibility of working in heating and cooling at the same time within a single system and the HECM Mini VRF systems.

Modern and high quality components used in HYUNDAI products make its air conditioning systems to be characterized by high reliability and high energy efficiency, thus making the products ideal for residential and commercial areas such as apartments, office buildings, hotels, shopping malls and other public utilities.

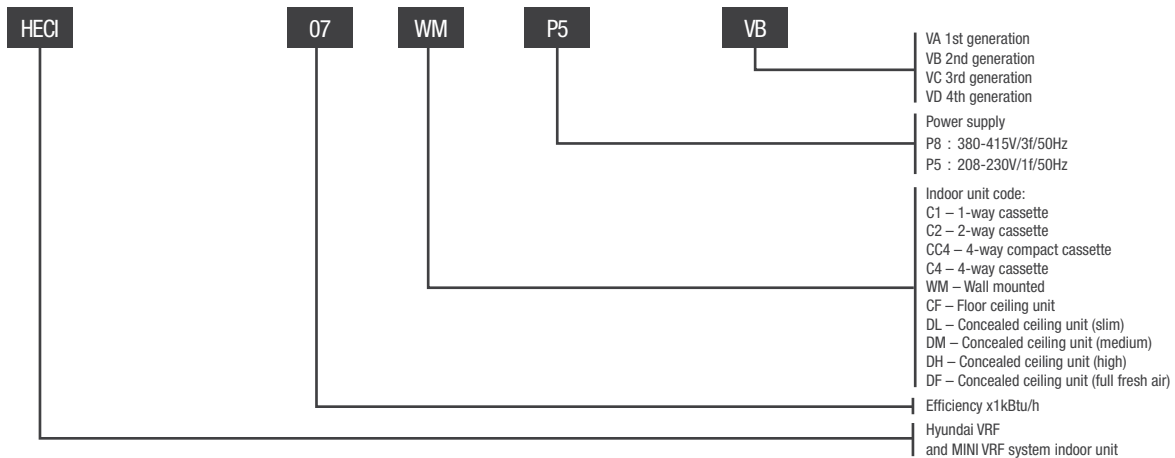
HYUNDAI VRF systems can be controlled by remote controls, central and wall controls, internet applications and BMS systems.

MODEL CODE DESCRIPTION

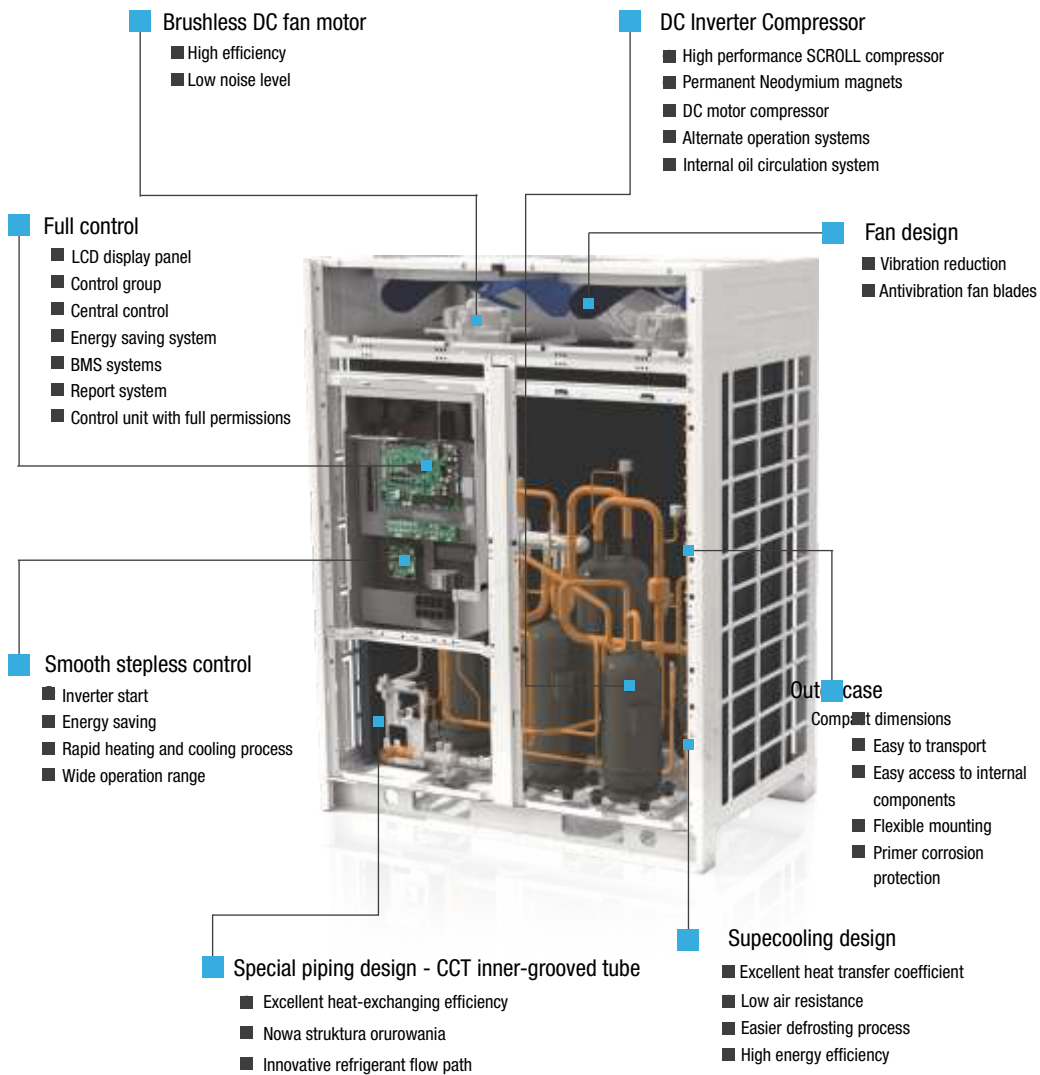
Outdoor unit



Indoor unit



HECO SERIES FEATURES



HIGH EFFICIENCY DC INVERTER COMPRESSOR

■ HITACHI and MITSUBISHI Compressors

■ R410a ECO friendly refrigerant.

■ High reliability components

■ Wide rotation speed range

■ Internal oil circulation structure

■ Modern scroll compressor

■ Neodymium permanent magnet rotor - powerful magnetic force, large torque and high efficiency

■ Concentrated winding, improving low frequency efficiency.



■ Low noise and vibration

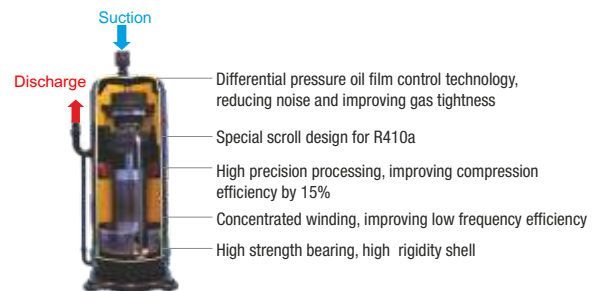
■ High rates of EER and COP

■ Compact design

High pressure chamber

Has small suction superheat and high refrigerant volume efficiency

Has large refrigerant discharge buffer volume, Low vibration and noise



DC FAN MOTOR

- Maximum performance with minimum Power input
- High efficiency fan motor DC
- Low noise level
- High efficiency due to high-density wire winding engineering



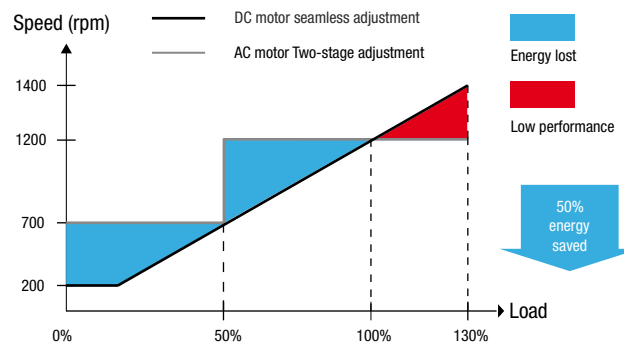
FAN DESIGN

- Anti-vibration forward fan blades
- Quiet operation fan
- Reduced vibration and air resistance
- Optimum fan blades profile which increases air flow rate



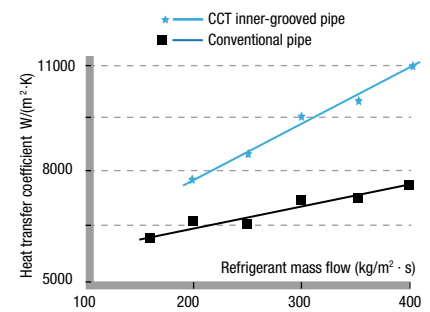
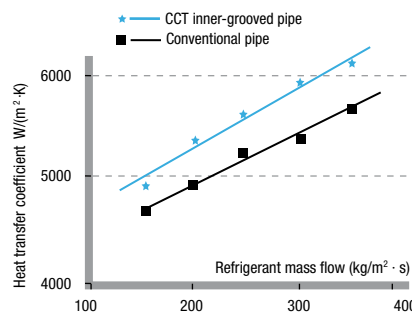
SEAMLESS CONTROL

- Infinitely adjustable DC fan reduces Power input and maintains the system more efficient for the highest performance.



CCT Inner-grooved piping

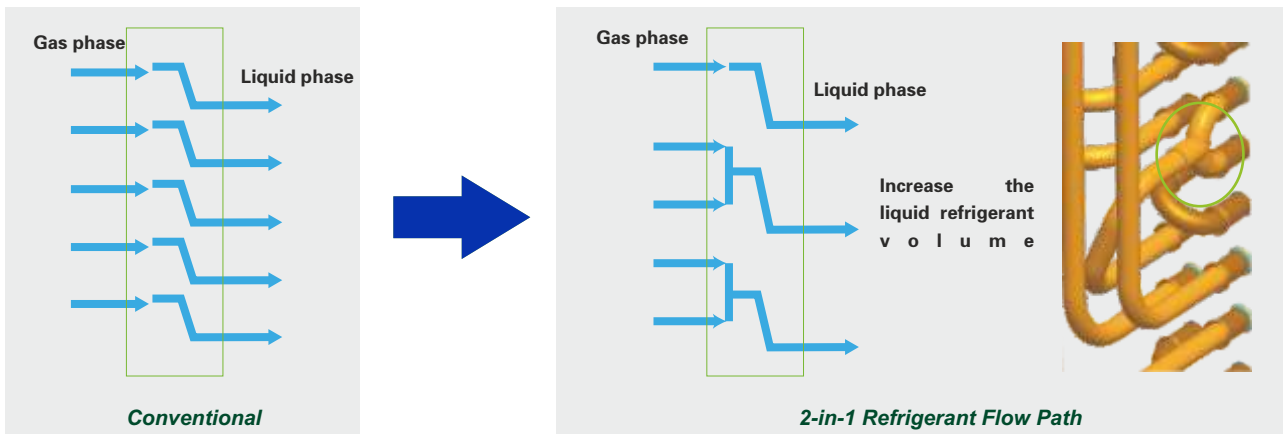
- CCT(Continuous Cooling Transformation) inner-grooved copper tube has high thermometric conductivity. This inner-grooved fins break the refrigerant flow boundary layer to enhance refrigerant disturbance to increase heat-exchanging efficiency.



WspółRefrigerant ciepła (kg/m² · s)

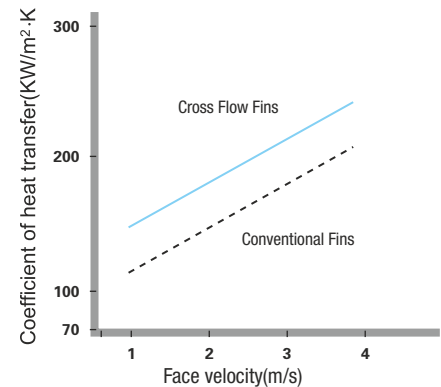
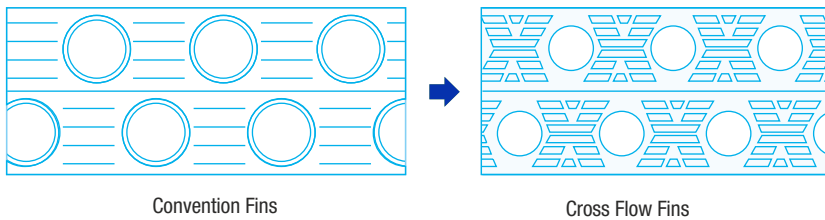
2-in-1 Refrigerant Flow Path Design

- The system can effectively cool or heat by combining lines of flow on the condenser outlet
- High efficiency heat exchange new refrigerant flow path

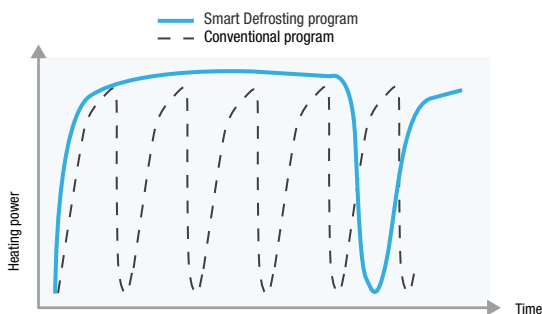


CROSS FLOW FINS - GREAT HEAT TRANSFER COEFFICIENT

- Excellent heat transfer coefficient for each mode of the system
- Low air resistance
- Easy and improved defrosting
- The grooves on the heat exchanger coil provides high energy efficiency



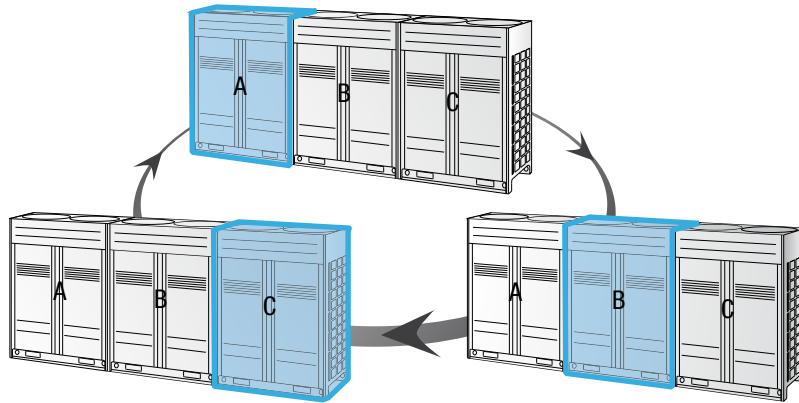
SMART DEFROSTING TECHNOLOGY



- Improved user comfort by less temperature fluctuations
- Smart defrosting program starts according to heat exchanging efficiency and capacity change
- Defrosting time is reduced to a minimum

ALL OUTDOOR UNITS CYCLE OPERATION

- In one combination system, any outdoor unit can run as master unit.
- Increased equipment life thanks to the smooth operation of all external units



3 - STAGE BACK UP FUNCTION

- Module back-up function
- Continuous operation of the whole system despite the failure of a single module



- Compressor back-up function
- Continuous operation of the whole system despite the failure of a single compressor



- Fan motor back-up function
- Continuous operation of the whole system despite the failure of a single fan



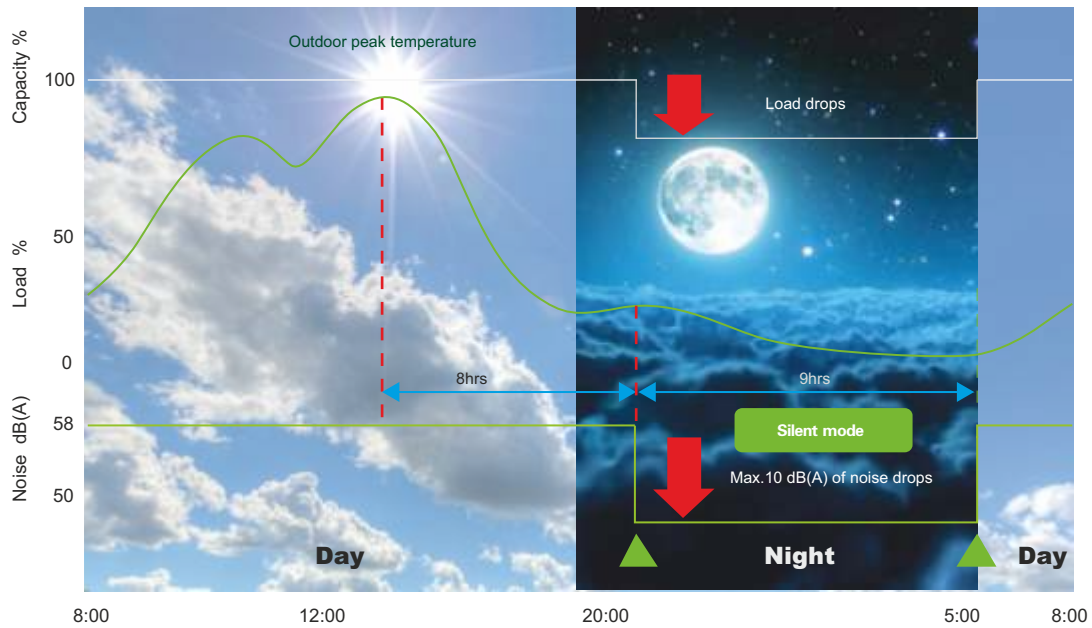
SNOW-PROOF FUNCTION

- Effective operation of the system even below zero temperatures
- The function starts the motor of the fan to protect the fan blades from freezing and helps blow away the snow loads on the chassis of the outdoor unit
- The function is activated when the temperature falls below zero
- Primer corrosion protection



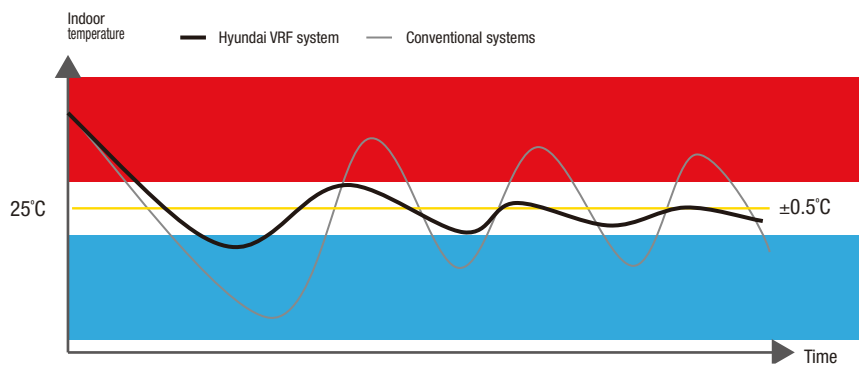
SILENT MODE, NIGHT TIME NOISE CONTROL

- The compressor and the fan can operate at the lowest speed noise reduction
- Reducing the volume up to 10 dB (A)



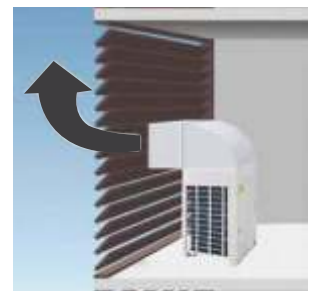
PERFECT COMFORT

- Precise performance cooling and heating due to the high efficiency compressor and fan DC Inverter
- Improved control of refrigerant flow
- Precise control of indoor temperatures - maximum temperature fluctuations in the range of 0.5 °C
- 2000 steps expansion valve



FAN BOOST PRESSURE

- Fan static pressure up to 85 Pa
- With the right air intake, the outdoor unit can be installed in technical rooms
- Bigger static pressure thanks to DC inverter fan



AUTOMATIC ADDRESSING

- Saves time during installation
 - Eliminates the majority of communication errors
 - Simple and easy to service equipment

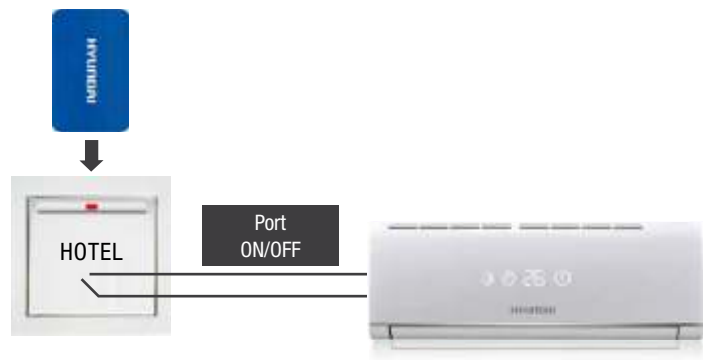
ADDRESSING METHODS

- The method of addressing can be set on the main board of the outdoor unit
 - Automatically addressing: system will distribute address to indoor unit automatically.
 - Manually setting by wireless remote controller.



REMOTE ON/OFF CONTROL FUNCTION - HOTEL SOLUTION

- Indoor units standard build in with ON/OFF
- Possibility of using the port ON / OFF for hotel solutions
- Units control with hotel card
- Removing the card sets the device off denying control options
- Inserting the card restores operation of the device to the last settings before removing the card



2-CORE SHIELDED SIGNAL WIRE

- Save installation costs
- Reduce installation time

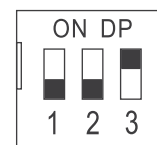


SET MODE

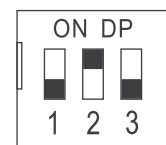
- Operation method can be set on the main board of the outdoor unit
 - First indoor unit priority start
 - Cooling or heating mode priority
 - Cooling/heating only priority



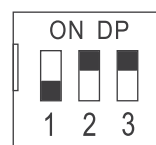
Heating only
(default setting)



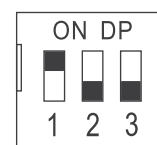
Cooling priority



First unit - start priority



Heating only



Cooling only



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Seria HECO C

SERIES

HYUNDAI HECO-C system is an upgraded product based on HECO-II, it has higher energy saving efficiency by adopting high efficiency big displacement compressors



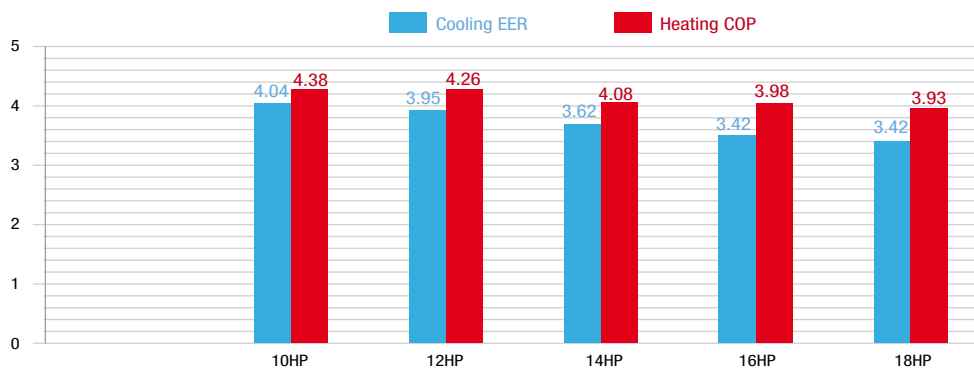
10HP



12/14/16HP

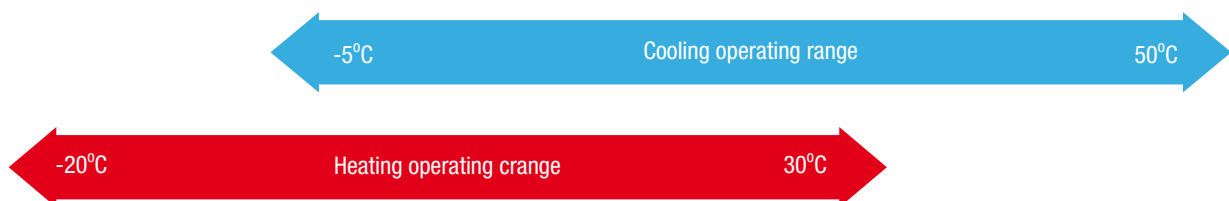
Capacity		28.0 kW	33.5 kW	40.0 kW	45.0 kW	50.0 kW
HP		10	12	14	16	18
Compressor		DC	DC	DC+FIX	DC+FIX	DC+FIX
Fan		DC	2xDC	2xDC	2xDC	2xDC
Voltage / number of phases / frequency	380V-415V/3/50Hz					

EER / COP







OPERATING RANGE

- HECO-C systems guarantees stable and efficient operation of the system, regardless of weather conditions
- Working in cooling mode from -5 ° C to 50 ° C
- Heating operating temperatures from -20 ° C to 30 ° C

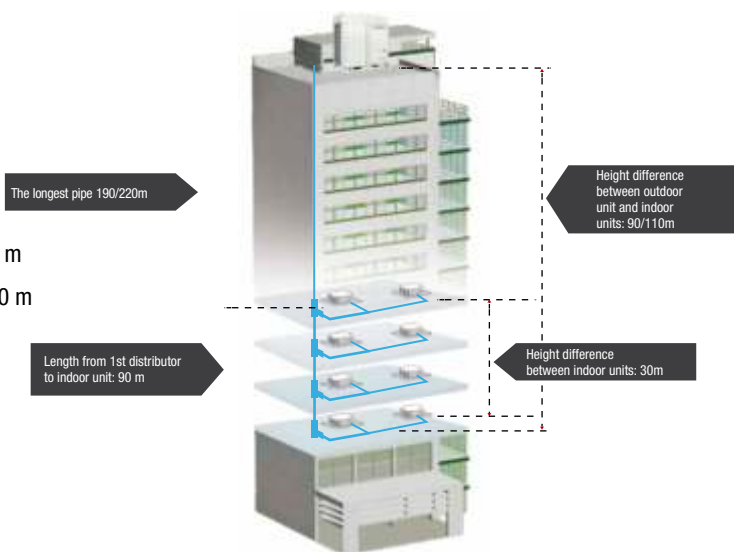


COMBINATION TABLE

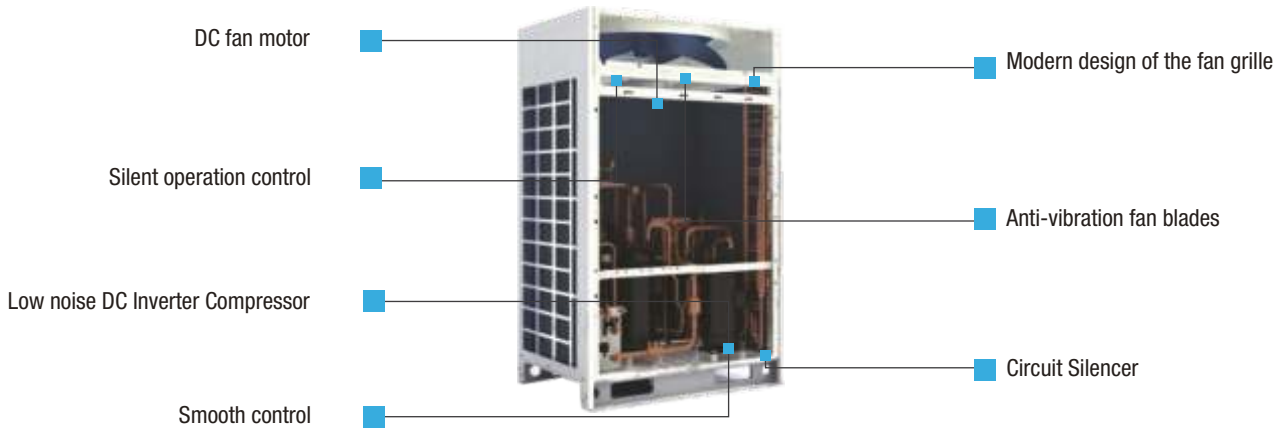
	HP	Model	Capacity (kW)		10HP	12HP	14HP	16HP	18HP
	10	HECO100P8VC	28.0		■				
	12	HECO120P8VC	33.5			■			
	14	HECO140P8VC	40.0				■		
	16	HECO160P8VC	45.0					■	
	18	HECO180P8VC	50.0						■
	20	HECO200P8VC	56.0		■ ■				
	22	HECO220P8VC	61.5		■	■			
	24	HECO240P8VC	68.0		■		■		
	26	HECO260P8VC	73.0		■			■	
	28	HECO280P8VC	78.5			■		■	
	30	HECO300P8VC	85.0				■	■	
	32	HECO320P8VC	90.0					■ ■	
	34	HECO340P8VC	95.0					■	■
	36	HECO360P8VC	100.0						■ ■
	38	HECO380P8VC	106.5		■	■		■	
	40	HECO400P8VC	113.0		■		■	■	
	42	HECO420P8VC	118.0		■			■ ■	
	44	HECO440P8VC	123.5			■		■ ■	
	46	HECO460P8VC	130.0				■	■ ■	
	48	HECO480P8VC	135.0					■ ■ ■	
	50	HECO500P8VC	140.0					■ ■	■
	52	HECO520P8VC	145.0					■	■ ■
54	HECO540P8VC	150.0						■ ■ ■	
	56	HECO560P8VC	156.0		■ ■				■ ■
	58	HECO580P8VC	163.0		■			■ ■ ■	
	60	HECO600P8VC	168.5			■		■ ■ ■	
	62	HECO620P8VC	175.0				■	■ ■ ■	
	64	HECO640P8VC	180.0					■ ■ ■ ■	
	66	HECO660P8VC	185.0					■ ■ ■	■
	68	HECO680P8VC	190.0					■ ■	■ ■
	70	HECO700P8VC	195.0					■	■ ■ ■
	72	HECO720P8VC	200.0						■ ■ ■ ■

LONG PIPING & HEIGHT DIFFERENCE

- The total pipe length: 1000m
- Maximum length
 - Actual length: 190 m
 - Equivalent length: 220 m
- Maximum length from the first tee to the last indoor unit 90 m
- Height difference between the outdoor unit and indoor unit
 - when outdoor unit is located higher than the indoor units 90 m
 - when outdoor unit is situated lower than the indoor units 110 m
- Level difference between indoor units 30 m



7 IMPROVEMENTS TO REDUCE NOISE



6 STAGE OIL CONTROL

- 1st stage: Compressor internal oil separation

Oil separator



Separation efficiency 92%

- 2nd stage: Oil return from the oil even pipe

Oil level control



Oil even pipe

- 3rd stage: Oil return from the system oil separator

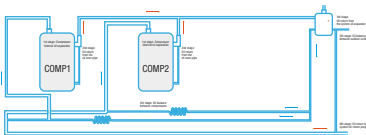
Oil separator



Separation efficiency 92%

- 4th stage: Oil balance between compressors

Oil balance pipe



- 5th stage: Oil balance between outdoor units

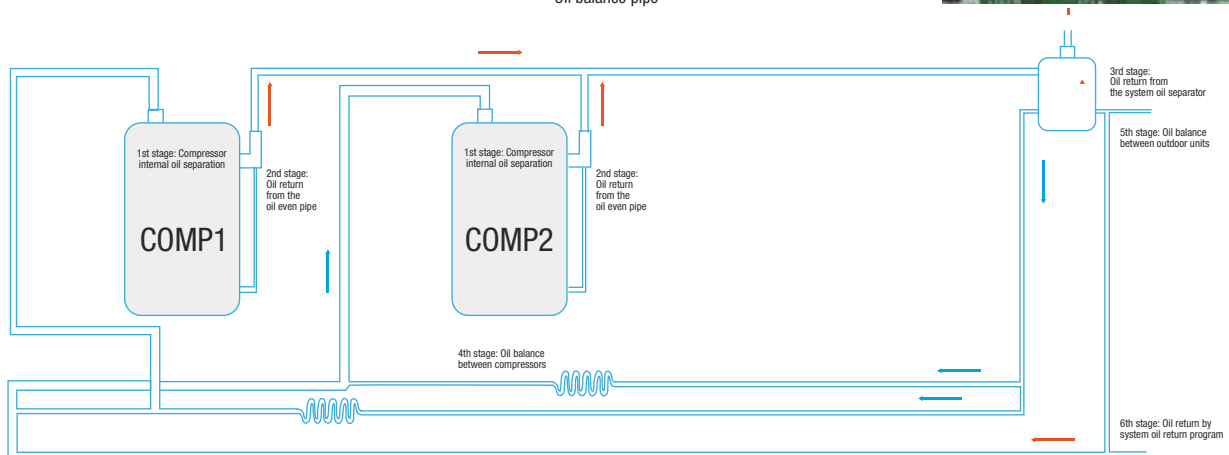
Oil balance pipe



Oil balance pipe

- 6th stage: Oil return by system oil return program

Intelligent oil return program



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HP			10	12	14	16	18	20
Model			HECO100P8VC	HECO120P8VC	HECO140P8VC	HECO160P8VC	HECO180P8VC	HECO200P8VC
The maximum number of indoor units			16	16	20	20	20	24
Cooling	Capacity	kW	28,0	33,5	40,0	45,0	50,0	56,0
		Btu/h	95000	114000	136000	153000	170500	191000
	Power input	kW	6,95	8,48	11,05	13,16	14,62	13,90
	EER	W/W	4,03	3,95	3,62	3,42	3,42	4,03
Heating	Capacity	kW	31,5	37,5	45,0	50,0	56,0	63,0
		Btu/h	107000	127000	153000	170000	190960	214000
	Power input	kW	7,21	8,80	11,03	12,56	14,25	14,42
	COP	W/W	4,37	4,26	4,08	3,98	3,93	4,37
Compressor	Quantity		1		1+1			1+1
	Type		SCROLL					
Refrigerant	Type		R410A					
	Expansion valve		EXV					
	Weight	kg	10	12	14	16	16	10+10
	Type		DC motor					
Fan	Quantity		1		2			1+1
	Static pressure	Pa	85					
	Dimensions (D×G×W)	Net mm	970×765×1620	1260×765×1620				
	Shipping dim. mm	1030×825×1750	1315×825×1750					
Net weight	kg	206	242	298	314	314	61	
Sound pressure level	dB(A)	58			60			61
Pipe diameters (equivalent length of the refrigerant pipes <90 m)	Liquid	mm	Ø12.7			Ø15.9		
	Gas	mm	Ø25.4	Ø28.6			Ø31.8	
Pipe diameters (equivalent length of the refrigerant pipes ≥ 90 m)	Liquid	mm	Ø12.7	Ø15.9			Ø19.1	
	Gas	mm	Ø25.4	Ø28.6	Ø31.8			
Pipe balancing	mm	/						Ø6.35

NOTES

Working range: Cooling from -5 °C to +50 °C. Heating from -20 °C to 30 °C

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB/24°C CWB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.3m.

Product Specifications in the Publication can be changed without a prior notice because there is always an ongoing improvement on our product.

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HP			40	42	44	46	48	50	52
Model			HECO400P8VC	HECO420P8VC	HECO440P8VC	HECO460P8VC	HECO480P8VC	HECO500P8VC	HECO520P8VC
The maximum number of indoor units			42	42	42	48	48	54	54
Cooling	Capacity	kW	111,5	118,0	123,5	128,5	135,0	140,0	145,0
		Btu/h	380000	402000	421000	438000	460000	477000	494000
	Power input	kW	30,05	32,26	34,80	36,26	39,47	39,8	42,40
	EER	W/W	3,71	3,55	3,55	3,54	3,42	3,42	3,42
Heating	Capacity	kW	125	131,5	137,5	145,5	150,0	156	162,0
		Btu/h	426000	448000	469000	489000	511000	532000	552000
	Power input	kW	30,26	32,33	33,93	35,61	37,69	39,37	41,06
	COP	W/W	4,13	4,07	4,05	4,03	3,98	3,96	3,95
Compressor	Quantity		1+1+2	1+2+2		2+2+2			
	Type		SCROLL						
Refrigerant	Type		R410A						
	Expansion valve		EXV						
	Weight	kg	10+14+14	12+14+14	14+14+14		14+14+16		
	Type		DC motor						
Fan	Quantity		1+2+2	2+2+2					
	Static pressure	Pa	85						
	Dimensions (D×G×W)	Net mm							
	Shipping dim. mm								
Net weight	kg								
Sound pressure level	dB(A)	64							
Pipe diameters (equivalent length of the refrigerant pipes <90 m)	Liquid	mm	Ø19.1			Ø22.2			
	Gas	mm	Ø41.3			Ø44.5			
Pipe diameters (equivalent length of the refrigerant pipes <90 m)	Liquid	mm	Ø22.2			Ø25.4			
	Gas	mm	Ø41.3			Ø44.5			
Pipe balancing	mm	Ø6.35							

NOTES

Working range: Cooling from -5 °C to +50 °C. Heating from -20 °C to 30 °C

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Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.3m.

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22	24	26	28	30	32	34	36	38
HECO220P8VC	HECO240P8VC	HECO260P8VC	HECO280P8VC	HECO300P8VC	HECO320P8VC	HECO340P8VC	HECO360P8VC	HECO380P8VC
24	28	28	28	32	32	36	36	36
61,5	68,0	73,0	78,5	83,5	90,0	95,0	100,0	106,5
209000	232000	249000	267000	284000	307000	324000	341000	363000
15,43	18	20,7	21,64	23,10	26,32	27,78	29,24	28,59
3,99	3,99	3,63	3,63	3,61	3,42	3,42	3,42	3,73
69,0	76,5	81,5	87,5	93,5	100,0	106,0	112,0	119,0
235000	261000	278000	298000	319000	341000	361000	382000	406000
16,01	18,24	19,77	21,37	23,05	25,13	26,81	28,50	28,57
4,31	4,19	4,12	4,10	4,06	3,98	3,95	3,93	4,16
1+1		1+2			2+2			1+1+2
SCROLL								
R410A								
EXV								
10+12	10+14	12+14	14+14	16+16	10+12+14			
DC motor								
1+2		2+2		1+2+2				
85								
62								
63								
64								
Ø15.9			Ø19.1					
Ø31.8			Ø41.3					
Ø19.1			Ø22.2					
Ø31.8			Ø38.1			Ø41.3		
Ø6.35								

54	56	58	60	62	64	66	68	70	72
HECO540P8VC	HECO560P8VC	HECO580P8VC	HECO600P8VC	HECO620P8VC	HECO640P8VC	HECO660P8VC	HECO680P8VC	HECO700P8VC	HECO720P8VC
54	58	58	58	64	64	64	64	64	64
150,0	158,0	163,0	168,5	173,5	180,0	185,0	190,0	195,0	200,0
511000	539000	556000	574000	591000	614000	631000	648000	665000	682000
43,86	44,31	46,42	47,95	49,42	52,63	54,09	55,56	57,02	58,48
3,42	3,57	3,51	3,51	3,51	3,42	3,42	3,42	3,42	3,42
168,0	176,5	181,5	187,5	193,5	200,0	206,0	212,0	218,0	224,0
573000	602000	619000	639000	660000	682000	702000	723000	743000	764000
42,75	43,46	44,90	46,49	48,18	50,25	51,94	53,62	55,31	57,00
3,93	4,07	4,04	4,03	4,02	3,98	3,97	3,95	3,94	3,93
2+2+2	1+2+2+2	2+2+2+2							
SCROLL									
R410A									
EXV									
16+16+16	10+14+14+14	12+14+14+14	14+14+14+14	14+14+14+16	14+14+16+16	14+16+16+16	16+16+16+16		
DC motor									
2+2+2	1+2+2+2	2+2+2+2							
85									
64									
65									
Ø22.2					Ø25.4				
Ø44.5					Ø25.4				
Ø44.5					Ø54.0				
Ø6.35									



HYUNDAI

Seria HECO R

SERIES

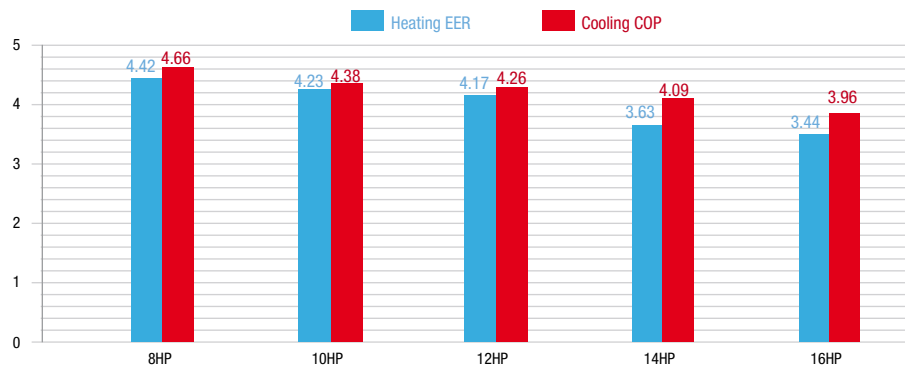
HYUNDAI HECO-R 3-pipe heat recovery systems allows simultaneous heating and cooling in one system. Units comes in individual modules from 25.2 kW to 45 kW. The combination of connecting external units allows you to build one system up to 180 kW.



8/10/12/14/16HP

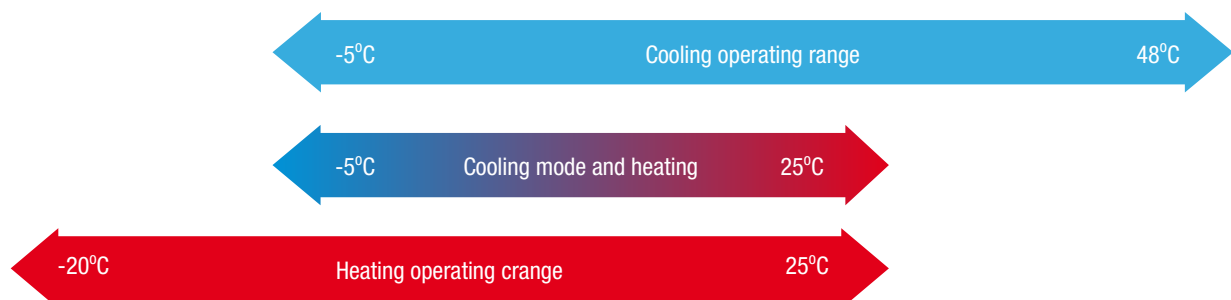
Capacity	25.2 kW	28.0 kW	33.5 kW	40.0 kW	45.0 kW
HP	8	10	12	14	16
Compressor	DC	DC	DC	2xDC	2xDC
Fan	2xDC	2xDC	2xDC	2xDC	2xDC
Voltage / number of phases / frequency	380V-415V/3f/50HZ				

EER / COP







OPERATING RANGE

- HECO-R systems guarantees stable and efficient operation of the system, regardless of weather conditions
- Working in mixed mode from -5 ° C to 25 ° C
- Working in cooling mode from -5 ° C to 48C
- Heating operating temperatures from -20 ° C to 25 ° C

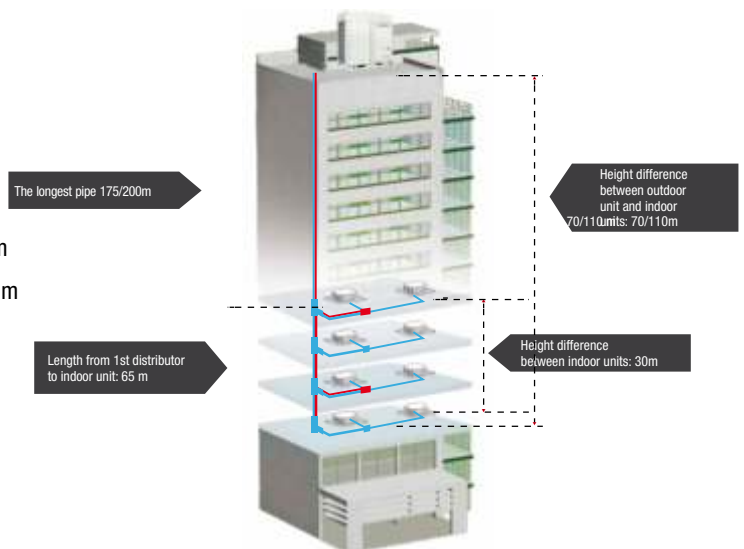


COMBINATION TABLE

	HP	Model	Capacity (kW)	8HP	10HP	12HP	14HP	16HP
	8	HECO080P8VR	25.2	■				
	10	HECO100P8VR	28.0		■			
	12	HECO120P8VR	33.5			■		
	14	HECO140P8VR	40.0				■	
	16	HECO160P8VR	45.0					■
	18	HECO180P8VR	53.2	■	■			
	20	HECO200P8VR	56.0		■	■		
	22	HECO220P8VR	61.5		■		■	
	24	HECO240P8VR	68.0		■			
	26	HECO260P8VR	73.0		■	■		■
	28	HECO280P8VR	78.5				■	■
	30	HECO300P8VR	85.0					■
32	HECO320P8VR	90.0					■	
	34	HECO340P8VR	96.0		■		■	
	36	HECO360P8VR	101.0		■			■
	38	HECO380P8VR	106.5		■	■		■
	40	HECO400P8VR	113.0		■		■	■
	42	HECO420P8VR	118.0		■			■
	44	HECO440P8VR	123.5			■		■
	46	HECO460P8VR	130.0				■	■
	48	HECO480P8VR	135.0					■
	50	HECO500P8VR	143.2	■	■			■
	52	HECO520P8VR	146.0		■			■
	54	HECO540P8VR	151.5		■	■		■
	56	HECO560P8VR	158.0		■		■	■
	58	HECO580P8VR	163.0		■			■
	60	HECO600P8VR	170.0			■		■
	64	HECO640P8VR	180.0				■	■

LONG PIPING & HEIGHT DIFFERENCE

- The total pipe length: 1000m
- Maximum length
 - Actual length: 175 m
 - Equivalent length: 200 m
- Maximum length from the first tee to the last indoor unit 65 m
- Height difference between the outdoor unit and indoor unit
 - when outdoor unit is located higher than the indoor units 70 m
 - when outdoor unit is situated lower than the indoor units 110 m
- Level difference between indoor units 30 m



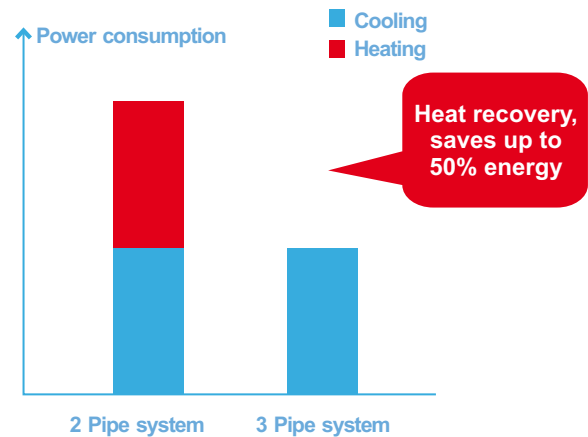
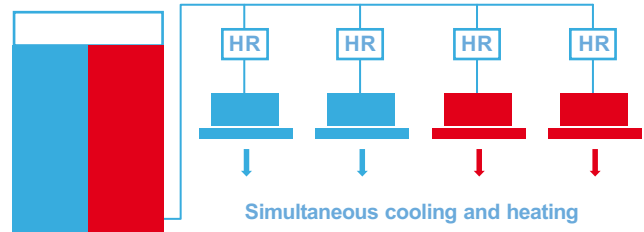
SIMULTANEOUS COOLING AND HEATING

- HYUNDAI HECO-R is a 3-pipe heat recovery VRF equipment with all DC inverter compressors and DC brushless fan motors. It features the possibility of simultaneous cooling and heating in one system. Specifically designed distributors HR BOX are used for heat exchange.
- HECO-R achieves high operating energy efficiency by drawing heat from the room to be cooled and transferring it as energy for rooms that are to be heated.



MORE EFFICIENT HEAT RECOVERY

- Simultaneous heating and cooling in different zones, more energy saving by heat recovery from one space to another which saves up to 50% in costs compared with a conventional heat pump system.



HR MODE SWITCH BOX

HR BOX distributors Hyundai are responsible for the heat exchange between the indoor units. HR BOX come in three Types. You can connect up to 24 indoor units to one distributor. Compact dimensions allow you to freely design the system HECO-R with distributors.



HECB02RA



HECB04RA



HECB06RA

HYUNDAI				HECB02RA	HECB04RA	HECB06RA			
Model									
The maximum number of indoor units groups				2	4	6			
The maximum number of indoor units in a group				4	4	4			
The maximum number of indoor units				8	16	24			
Maximum capacity for each group				kW	14	11			
				kBtu/h	48	38			
Maximum capacity				kW	28	45			
				kBtu/h	96	150			
Pipes diametres				Outdoor unit	Liquid	mm	Ø12.7	Ø15.88	Ø15.88
					High pressure	mm	Ø19.05	Ø22	Ø22
					Low pressure	mm	Ø25.4	Ø31.8	Ø31.8
				Indoor unit	Liquid	mm	Ø9.52	Ø9.52	Ø9.52
					Gas	mm	Ø12.7	Ø15.88	Ø15.88
Dimensions (DxWxG)				Net	mm	600x225x630	940x225x630	940x225x630	
				Shipping dimensions of the package	mm	725x300x715	1055x300x715	1055x300x715	
Weight				Net	kg	20.5	34	35	
				Shipping weight	kg	27	43.5	44.5	
Field wiring				Power source wire	mm ²	3x2.5	3x2.5	3x2.5	
				Transmission cable	mm ²		2x0.75 screened		

HYUNDAI

HP		8	10	12	14	16	18	
Model		HECO080P8VR	HECO100P8VR	HECO120P8VR	HECO140P8VR	HECO160P8VR	HECO180P8VR	
The maximum number of indoor units		13	16	20	23	26	29	
Cooling	Capacity	kW	25,2	28,0	33,5	40,0	45,0	53,2
		Btu/h	85000	95000	114000	136000	153000	181600
	Power input	kW	5,70	6,62	8,03	11,02	13,08	12,32
	EER	W/W	4,42	4,23	4,17	3,63	3,44	4,32
Heating	Capacity	kW	27,4	31,5	37,5	45,0	50,0	58,9
		Btu/h	93000	107000	127000	153000	170000	190960
	Power input	kW	5,88	7,19	8,80	11,00	12,63	13,07
	COP	W/W	4,66	4,38	4,26	4,09	3,96	4,51
Compressor	Qty.	1			2		1+1	
	Type	SCROLL						
Refrigerant	Type	R410A						
	Expansion valve	EXV						
	Weight	12		16		12+12		
Fan	Type	DC motor						
	Qty.	2					2+2	
	Static pressure	85						
Dimensions (D×G×W)	Net	1260×765×1620					2x(1260×765×1620)	
	Shipping dimensions	1315×825×1750					2x(1315×825×1750)	
Net weight	kg	270			310		2x270	
Sound pressure level	dB(A)	57	58		60		61	
Pipe diameters	Liquid	Ø12.7			Ø15.9			
	Gas - low pressure	Ø22.2		Ø25.4		Ø28.6		Ø31.8
	Gas - high pressure	Ø19.1			Ø22.2		Ø28.6	
	Pipe balancing - high pressure	Ø19.1			Ø19.1			
	Pipe balancing	Ø6.35			Ø6.35			

NOTES

Working range: Cooling from -5 °C to + 50 °C. Heating from -20 °C to 30 °C

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB/24°C CWB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.3m.

Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

HYUNDAI

HP		36	38	40	42	44	46	48	
Model		HECO360P8VR	HECO380P8VR	HECO400P8VR	HECO420P8VR	HECO440P8VR	HECO460P8VR	HECO480P8VR	
The maximum number of indoor units		59	63	64	64	64	64	64	
Cooling	Capacity	kW	101,0	106,5	113,0	120,0	123,5	130,0	135,0
		Btu/h	344000	363000	385000	410000	421000	443000	460000
	Power input	kW	26,32	27,73	30,72	33,06	34,19	37,18	39,24
	EER	W/W	3,84	3,84	3,68	3,63	3,61	3,50	3,44
Heating	Capacity	kW	113,0	119,0	126,5	135,0	137,5	145,0	150,0
		Btu/h	385000	406000	431000	461000	469000	494000	511000
	Power input	kW	27,01	28,62	30,82	38,57	34,06	36,26	37,89
	COP	W/W	4,18	4,16	4,10	3,50	4,04	4,00	3,96
Compressor	Qty.	1+1+2			1+2+2		2+2+2		
	Type	SCROLL							
Refrigerant	Type	R410A							
	Expansion valve	EXV							
	Weight	12+12+16		12+16+16		16+16+16			
Fan	Type	DC motor							
	Qty.	2+2+2							
	Static pressure	85							
Dimensions (D×G×W)	Net	3x(1260×765×1620)							
	Shipping dimensions	3x(1315×825×1750)							
Net weight	kg	2x270+310		270 + 2x310		3x310			
Sound pressure level	dB(A)	65		66	67				
Pipe diameters	Liquid	Ø19.1							
	Gas - low pressure	Ø41.3							
	Gas - high pressure	Ø34.9							
	Pipe balancing - high pressure	Ø19.1							
	Pipe balancing	Ø6.35							

NOTES

Working range: Cooling from -5 °C to + 50 °C. Heating from -20 °C to 30 °C

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB/24°C CWB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.3m.

Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

	20	22	24	26	28	30	32	34
	HECO200P8VR	HECO220P8VR	HECO240P8VR	HECO260P8VR	HECO280P8VR	HECO300P8VR	HECO320P8VR	HECO340P8VR
	33	36	39	43	46	50	53	56
	56,0	61,5	68,0	73,0	80,0	85,0	90,0	96,0
	191000	209000	232000	249000	273000	290000	307000	327000
	13,24	14,65	17,64	19,70	22,0	24,10	26,16	24,26
	4,23	4,20	3,85	3,71	3,54	3,53	3,44	3,96
	63,0	69,0	76,5	81,5	90,0	95,0	100,0	108,0
	214000	235000	261000	278000	307000	324000	341000	368000
	14,38	15,99	18,19	19,82	22,0	23,63	25,26	25,38
	4,38	4,32	4,21	4,11	4,09	4,02	3,96	4,26
	1+1		1+2			2+2		1+1+2
	SCROLL							
	R410A							
	EXV							
	12+12		12+16			16+16		12+12+16
	DC motor							
	2+2							
	85							
	2x(1260×765×1620)							3x(1260×765×1620)
	2x(1315×825×1750)							3x(1315×825×1750)
	2x270		270+310			2x310		2x270+310
	61	62	63		64		65	
	Ø15.9			Ø19.1				
	Ø31.8		Ø34.9				Ø41.3	
	Ø28.6			Ø34.9				
	Ø19.1							
	Ø6.35							

	50	52	54	56	58	60	62	64
	HECO500P8VR	HECO520P8VR	HECO540P8VR	HECO560P8VR	HECO580P8VR	HECO600P8VR	HECO620P8VR	HECO640P8VR
	64	64	64	64	64	64	64	64
	143,2	146,0	151,5	158,0	165,0	170,0	175,0	180,0
	488000	498000	516000	539000	562000	580000	597000	614000
	38,48	39,40	40,81	43,80	46,14	48,20	50,26	52,32
	3,72	3,71	3,71	3,61	3,58	3,53	3,48	3,44
	158,9	163,0	169,0	176,5	185,00	190,00	195,0	200,0
	542000	556000	576000	602000	631000	648000	665000	682000
	38,33	39,64	41,25	43,45	45,63	47,26	48,89	50,52
	4,15	4,11	4,10	4,06	4,05	4,02	3,99	3,96
	1+1+2+2			1+2+2+2			2+2+2+2	
	SCROLL							
	R410A							
	EXV							
	12+12+16+16			12+16+16+16			16+16+16+16	
	DC motor							
	2+2+2+2							
	85							
	4x(1260×765×1620)							4x(1315×825×1750)
	2x270+2x310			270+3x310			4x310	
	68				69			
	Ø22.2							
	Ø44.5							
	Ø38.1							
	Ø19.1							
	Ø6.35							



HYUNDAI

Seria HECO MINI

SERIES

- HECM MINI Hyundai capacity range - 8 kW to 33.5 kW.
- Space saving installation and easy maintenance due to compact dimensions of all outdoor units (with horizontal air outlet).



8/10kW



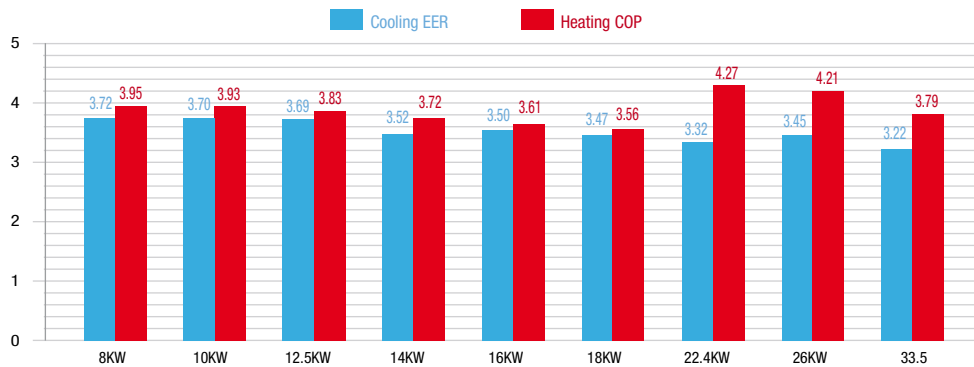
12.5/14/16/18kW



22.4/26/33.5kW

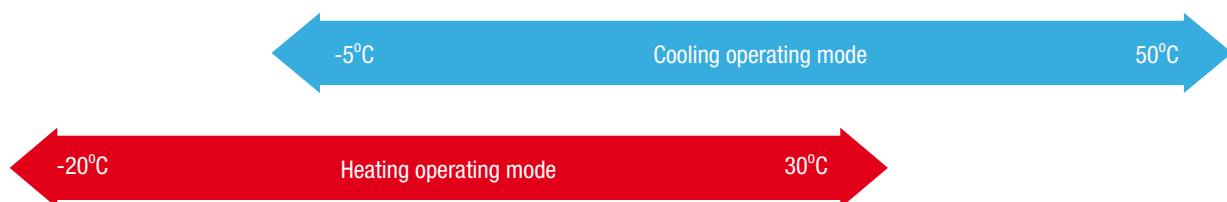
Capacity	8.0 kW	10.0 kW	12.5 kW	14.0 kW	16.0 kW	18.0 kW	22.4 kW	26.0 kW	33.5kW
HP	3	3.5	4.5	5	5.5	6.5	8	9	10
Compressor	DC	DC	DC	DC	DC	DC	DC	DC	DC
Fan	DC	DC	2xDC	2xDC	2xDC	2xDC	2xDC	2xDC	2xDC
Power supply	220V-240V/11/50HZ			220V-240V/11/50HZ 380V-415V/3/50HZ			380V-415V/3/50HZ		

EER / COP



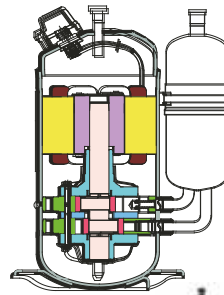
OPERATING RANGE

- The HECM system guarantees stable and efficient operation of the system, regardless of weather conditions
- Operates in cooling mode from -5 ° C to 50 ° C
- Operates in heating mode from -20°C do 30°C



HIGH EFFICIENCY DC INVERTER COMPRESSOR

- Twin rotary DC Inverter compressor
 - Reliable and efficient compressor
 - Rotating speed can be down to 20 RPS
 - High energy efficiency in part load conditions
- Low noise operation due to latest technology
- Specially designed shape of the compressor for ecological R410A use
- Low vibration during compressor start



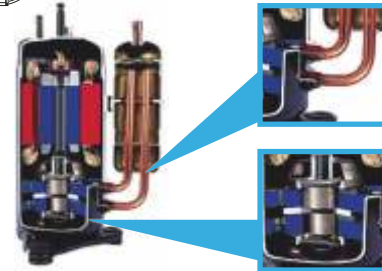
High efficiency

High reliability

Low vibration

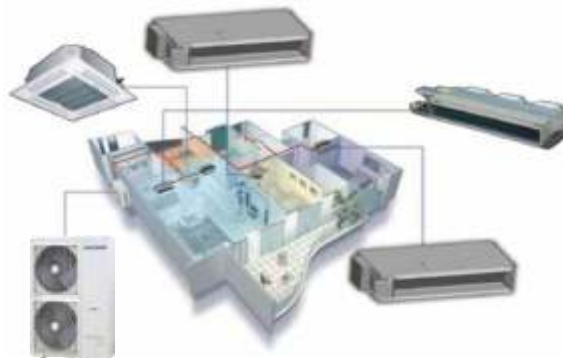
Low noise

Long life



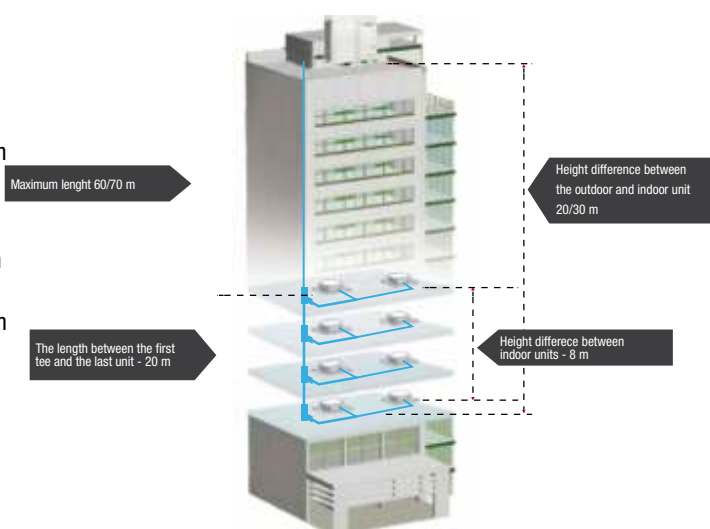
FLEXIBLE, EASY AND SPACE SAVING INSTALLATION

- Ability to connect to several indoor units to one outdoor unit. Long piping connections available.
- The same indoor units can be used for HECO VRF systems.



LONG PIPING AND HEIGHT DIFFERENCES

- Total piping length 100 m
- Maximum length
 - Actual length 60 m
 - Equivalent length 70 m
- The maximum length from the first tee to the last indoor unit 20 m
- Height difference between the outdoor and indoor unit
 - If the outdoor unit is located higher than the indoor units - 30m
 - If the outdoor unit is situated lower than the indoor units - 20 m
- Height difference between indoor units 8 m



HYUNDAI			HECM030P5VA	HECM035P5VA	HECM045P8VA	HECM045P5VA	HECM050P8VA	HECM050P5VA
Model								
Voltage / number of phases / frequency			220V-240V/11/50HZ	220V-240V/11/50HZ	380V-415V/3/50HZ	220V-240V/11/50HZ	380V-415V/3/50HZ	220V-240V/11/50HZ
The maximum number of connected indoor units			4	5	6	6	7	7
Cooling	Capacity	kW	8,0	10,0	12,5	12,5	14,0	14,0
		Btu/h	27300	34000	42000	42000	47000	47000
	Power input	kW	2,15	2,68	3,38	3,38	3,98	3,96
	EER	W/W	3,72	3,70	3,69	3,69	3,52	3,52
Heating	Capacity	kW	9,0	11,0	14,0	14,0	16,0	16,0
		Btu/h	30700	38000	47000	47000	54000	54000
	Power input	kW	2,28	2,8	3,66	3,65	4,3	4,3
	COP	W/W	3,95	3,93	3,83	3,83	3,72	3,72
Maximum power consumption			KW	4,00	4,00	6,30	6,30	6,30
Current input			A	18,00	18,0	10,00	28,0	10,00
Compressor	Qty		1	1	1	1	1	1
	Type		DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Expansion valve		EXV	EXV	EXV	EXV	EXV	EXV
	Weight	g	3000	3000	3100	3100	3450	3450
	Fan	Type		Axial	Axial	Axial	Axial	Axial
Dimensions (D×W×G)	Body	mm	1054×994×399	1054×994×399	900×1328×345	900×1328×345	900×1328×345	900×1328×345
	Shipping dim.	mm	1145×1120×475	1145×1120×475	964×1445×402	964×1445×402	964×1445×402	964×1445×402
Weight	Netto	kg	80	80	93	89	93	89
	Gross	kg	92	92	104	100	104	100
Sound pressure level			dB(A)	≤56	≤56	≤56	≤56	≤56
Piping connections	Liquid	mm	Ø9.53	Ø9.53	Ø9.53	Ø9.53	Ø9.53	Ø9.53
	Gas	mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9
Field wiring	Power source wire	mm ²	3x4	3x4	5x2.5	3x6	5x2.5	3x6
	Transmission cable	mm ²	2x1 screened	2x1 screened	2x1 screened	2x1 screened	2x1 screened	2x1 screened

NOTES

Working range: Cooling from -5 °C to + 50 °C. Heating from -20 °C to 30 °C

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB/24°C CWB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.3m.

Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

HYUNDAI			HECM055P8VA	HECM055P5VA	HECM065P8VA	HECM080P8VA	HECM090P8VA	HECM100P8VA
Model								
Voltage / number of phases / frequency			380V-415V/3/50HZ	220V-240V/11/50HZ	380V-415V/3/50HZ	380V-415V/3/50HZ	380V-415V/3/50HZ	380V-415V/3/50HZ
The maximum number of connected indoor units			8	8	9	10	12	14
Cooling	Capacity	kW	16,0	16,0	18,0	22,4	26,0	33,5
		Btu/h	54000	54000	61000	76500	88700	114300
	Power consumption	kW	4,58	4,57	5,19	6,74	7,54	10,4
	EER	W/W	3,50	3,50	3,47	3,32	3,45	3,22
Heating	Capacity	kW	18,0	18,0	20,0	25,0	28,5	37,5
		Btu/h	61000	61000	68000	85300	97300	127900
	Power consumption	kW	5,13	5,13	5,62	5,85	6,77	9,9
	COP	W/W	3,61	3,61	3,56	4,27	4,21	3,79
Maximum power consumption			KW	6,30	6,30	7	10,2	10,5
Current input			A	10,00	28,0	12,5	16,5	18,5
Compressor	Qty		1	1	1	1	1	1
	Type		DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary	DC/Twin Rotary	SCROLL
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A	R410A
	Expansion valve		EXV	EXV	EXV	EXV	EXV	EXV
	Weight	g	4200	4200	4550	6100	6100	8000
	Fan	Type		Axial	Axial	Axial	Axial	Axial
Dimensions (D×W×G)	Netto	mm	900×1328×345	900×1328×345	900×1328×345	1120x1549x528	1120x1549x528	1120x1549x528
	Packing	mm	964x1445x402	964x1445x402	964x1445x402	1278x1696x560	1278x1696x560	1278x1696x560
Weight	Netto	kg	100	96	102	145	145	176
	Packing	kg	111	107	112	165	165	196
Sound pressure level			dB(A)	≤58	≤58	≤58	≤60	≤60
Piping connections	Liquid	mm	Ø9.53	Ø9.53	Ø9.53	Ø9.52	Ø9.52	Ø12.7
	Gas	mm	Ø15.9	Ø15.9	Ø15.9	Ø22.2	Ø22.2	Ø28.6
Field wiring	Power source wire	mm ²	5x2.5	3x6	5x2.5	5x6	5x6	5x6
	Transmission cable	mm ²	2x1 screened	2x1 screened	2x1 screened	2x1 screened	2x1 screened	2x1 screened

NOTES

Working range: Cooling from -5 °C to + 50 °C. Heating from -20 °C to 30 °C

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB/24°C CWB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB, 6°C WB, Equivalent refrigerant piping : 7.5m , Level differences : 0m.

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.3m.

Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.



HYUNDAI INDOOR UNITS

SERIES

		Capacity (kW)														
		2,2	2,8	3,2	3,6	4,5	5,6	7,1	8,0	9,0	10,0	11,2	12,0	12,5	14,0	15,0
4 way cassette - compact type					■	■										
4 way cassette							■	■								
Wall mounted			■		■	■										
Short ceiling concealed ducted unit					■		■									
Medium static pressure ducted unit								■			■					■



4 WAY CASSETTE - COMPACT TYPE



- Compact dimensions
- Integrated dust filter
- Built-in drainage pump
700 mm pumping head

HYUNDAI			HEC112CC4P5VB	HEC115CC4P5VB
Model			HEC112CC4P5VB	HEC115CC4P5VB
Voltage / number of phases / frequency			220~240V/1PH, 50Hz	220~240V/1PH, 50Hz
Capacity	Cooling	kW	3,6	4,5
		kBtu/h	12,2	15,3
	Heating	kW	4,0	5,0
		kBtu/h	13,6	17
Power input		kW	0,070	0,075
Current input		A	0,19	0,21
Airflow		m ³ /h	600	750
Sound level		dB(A)	35~38	35~39
Dim. (W×H×D)	Packing	mm	745×375×675	745×375×675
	Body	mm	633×275×580	633×275×580
	Packing	mm	750×95×750	750×95×750
	Panel	mm	650×30×650	650×30×650
Weight	Net	kg	26	26
	Gross	kg	28	28
Pipe diameters	Gas	mm	Ø12,7	Ø12,7
	Liquid	mm	Ø6,35	Ø6,35
	Drain	mm	Ø25	Ø25

NOTES

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB

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4 WAY CASSETTE



- Integrated dust filter
- Built-in drainage pump
1200 mm pumping head
- 230 mm height

HYUNDAI			HEC118C4P5VC	HEC124C4P5VC
Model			HEC118C4P5VC	HEC124C4P5VC
Voltage / number of phases / frequency			220~240V/1f, 50Hz	220~240V/1f, 50Hz
Capacity	Cooling	kW	5,6	7,1
		kBtu/h	19,1	24,2
	Heating	kW	6,3	8,0
		kBtu/h	21,4	27,2
Power input		kW	0,054	0,093
Current input		A	0,15	0,26
Airflow		m ³ /h	810	1200
Sound level		dB(A)	35~39	35~39
Dim. (W×H×D)	Packing	mm	920×265×960	920×265×960
	Body	mm	833×232×900	833×232×900
	Packing	mm	1030×105 ×1030	1030×105 ×1030
	Panel	mm	950×50×950	950×50×950
Weight	Net	kg	24	24
	Gross	kg	30	30
Pipe diameters	Gas	mm	Ø12,7	Ø15,9
	Liquid	mm	Ø6,35	Ø9,53
	Drain	mm	Ø25	Ø25

NOTES

Nominal cooling capacities are based on: Indoor temperature : 27°C DB, 19°C WB / Outdoor temperature : 35°C DB

Nominal heating capacities are based on: Indoor temperature : 20°C DB, 15°C WB / Outdoor temperature : 7°C DB

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WALL MOUNTED



- Smooth air supply
- Flexible in installation
- Wide adjustable angle of air supply

HYUNDAI					
Model		HECI09WMP5VB2	HECI12WMP5VB2	HECI15WMP5VB2	
Voltage / number of phases / frequency		220~240V/1f, 50Hz	220~240V/1f, 50Hz	220~240V/1f, 50Hz	
Capacity	Cooling	kW	2,8	3,6	4,5
		kBtu/h	9,5	12,2	15,3
	Heating	kW	3,2	4,0	5,0
		kBtu/h	10,9	13,6	17
Power input		kW	0,06	0,06	0,06
Current input		A	0,15	0,16	0,17
Airflow		m ³ /h	540	600	600
Sound level		dB(A)	24~33	24~33	33~40
Dim. (WxHxD)	Packing	mm	973x367x290	973x367x290	973x367x290
	Body	mm	900x282x205	900x282x205	900x282x205
Weight	Net	kg	12	12	12
	Gross	kg	14	14	14
Pipe diameters	Gas	mm	Ø9,53	Ø12,7	Ø12,7
	Liquid	mm	Ø6,35	Ø6,35	Ø6,35
	Drain	mm	Ø20	Ø20	Ø20

NOTES

Nominal cooling capacities are based on:
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB

Nominal heating capacities are based on:
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB

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SHORT CEILING CONCEALED DUCTED UNIT



- External static pressure of 30 Pa
- Slim body - 210 mm height

HYUNDAI				
Model		HECI12DLP5VC	HECI18DLP5VC	
Voltage / number of phases / frequency		220~240V/1f, 50Hz	220~240V/1f, 50Hz	
Capacity	Cooling	kW	3,6	5,6
		kBtu/h	12,2	19,1
	Heating	kW	4	6,3
		kBtu/h	13,6	21,4
Power input		kW	0,07	0,09
Current input		A	0,19	0,25
Airflow		m ³ /h	550	900
Sound level		dB(A)	25~32	27~38
Static pressure		Pa	30	30
Dim. (WxHxD)	Packing	mm	910x240x530	1110x240x530
	Body	mm	700x210x467	900x210x467
Weight	Net	kg	16	19
	Gross	kg	19	22,5
Pipe diameters	Gas	mm	Ø12,7	Ø12,7
	Liquid	mm	Ø6,35	Ø6,35
	Drain	mm	Ø25	Ø25

NOTES

Nominal cooling capacities are based on:
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB

Nominal heating capacities are based on:
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB

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MEDIUM STATIC PRESSURE DUCTED UNIT - INVERTER Type

ErP₂₀₁₆ Ready



- Inverter type - ERP 2016 Ready
- Silent operation
- External static pressure of 70 Pa
- 260 mm height

HYUNDAI					
Model		HECI24DMP5VB	HECI36DMP5VB	HECI60DMP5VB	
Voltage / number of phases / frequency		220~240V/1f, 50Hz	220~240V/1f, 50Hz	220~240V/1f, 50Hz	
Capacity	Cooling	kW	7,1	10,0	15,0
		kBtu/h	24,2	34,1	51,1
	Heating	kW	8,0	11,0	17,0
		kBtu/h	27,2	37,5	58
Power input		kW	0,30	0,34	0,34
Current input		A	0,83	0,94	0,94
Airflow		m ³ /h	1220	2000	2000
Sound level		dB(A)	36~41	40~44	40~44
Static pressure		Pa	70	70	70
Dim. (WxHxD)	Packing	mm	1245x320x720	1480x320x720	1480x320x720
	Body	mm	1209x260x680	1445x260x680	1445x260x680
Weight	Net	kg	33	46	46
	Gross	kg	37	50	50
Pipe diameters	Gas	mm	Ø15,9	Ø15,9	Ø15,9
	Liquid	mm	Ø9,53	Ø9,53	Ø9,53
	Drain	mm	Ø25	Ø25	Ø25

NOTES

Nominal cooling capacities are based on:
 - Indoor temperature : 27°C DB, 19°C WB
 - Outdoor temperature : 35°C DB

Nominal heating capacities are based on:
 - Indoor temperature : 20°C DB, 15°C WB
 - Outdoor temperature : 7°C DB

Sound level was acquired in an anechoic room, measured at a point 1 m in front of the unit at a height of 1.5m.

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A hand in a dark suit jacket points towards the center of the frame. The background is a blue gradient with a pattern of glowing white hexagons and circular target symbols. A semi-transparent white horizontal band is positioned across the middle of the image, containing the text.

HYUNDAI

CONTROLLERS

WIRELESS REMOTE CONTROLLERS



- Indoor unit address inquiry
- Indoor unit address setting
- Temperature setting
- Operation mode setting
- Fan speed setting
- Turbo function
- Sleep function
- Clean function
- Timer function

WIRED CONTROLLERS



- Bidirectional communication
- Compact design
- Operating mode selection
- Fan speed selection
- Timer function
- Operating parameters (errors, address, temperature) are displayed on the controller



SIMPLE CENTRALIZED CONTROLLER



- Easy to install. Controller connects to outdoor units only
- 1 controller can operate max. 64 indoor units
- Mode lock function, user can lock the running mode of indoor unit

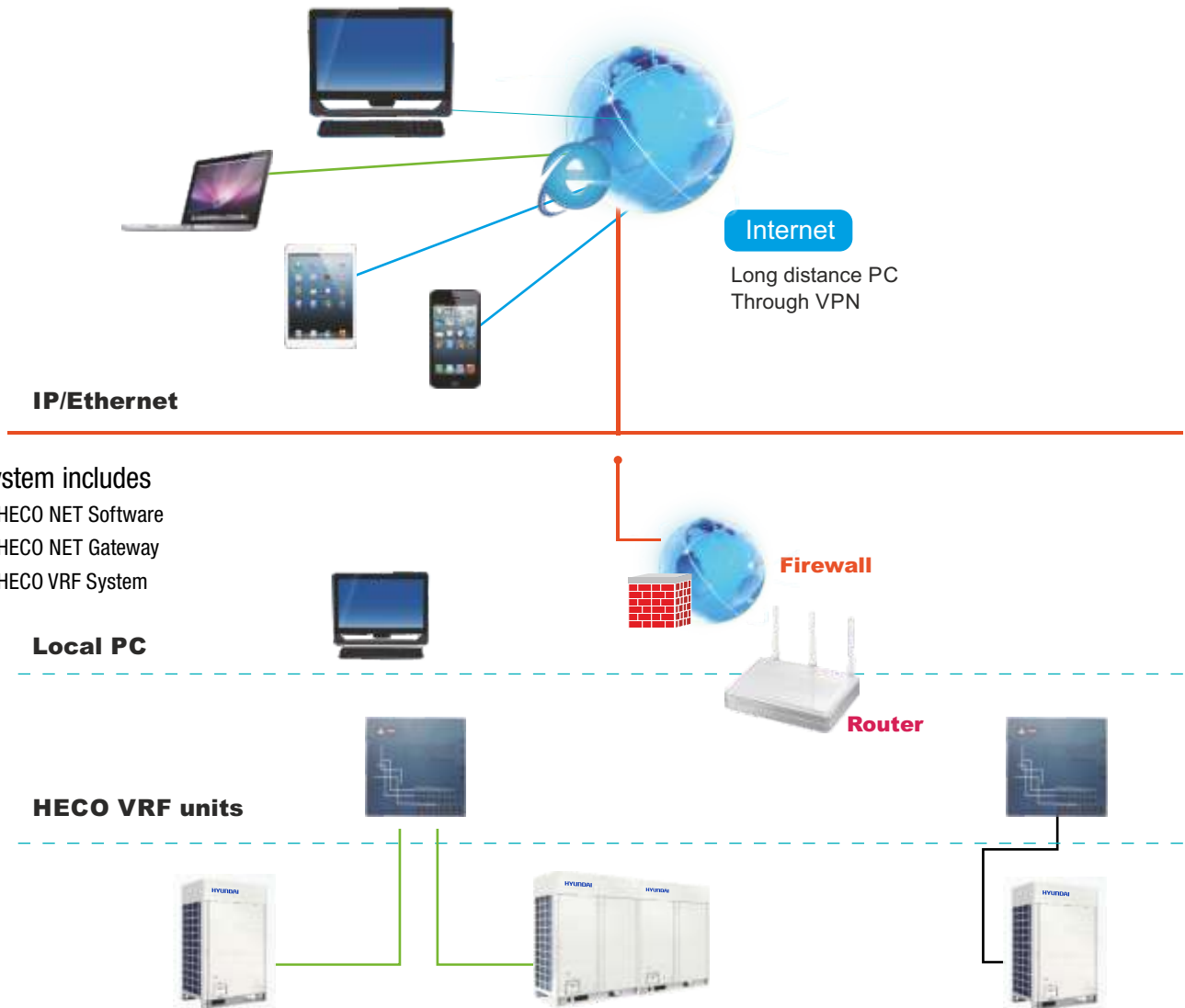
HECO SMART

- Available on IOS and Android
- Single unit controller or group control
- Weekly schedule management
- 64 indoor units control capacity
- Operation parameters enquiry
- Remote control via cloud server



HECO NET CONTROL SOFTWARE

- Billing function
- Operating report output
- Schedule management
- 1024 indoor units connection capacity



- System includes**
- HECO NET Software
 - HECO NET Gateway
 - HECO VRF System

Local PC

HECO VRF units

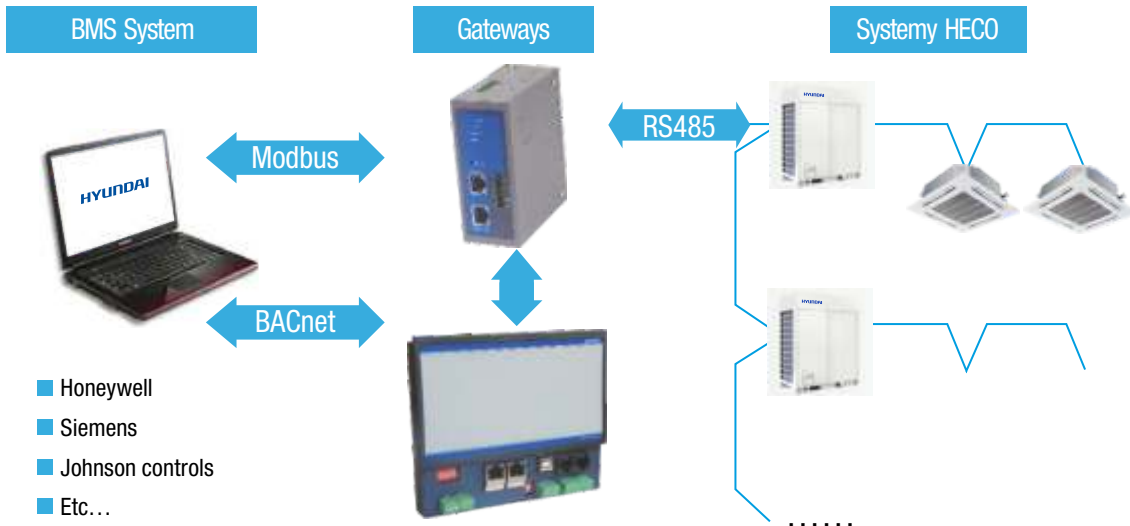
BMS GATEWAY

BACnet Gateway

BMS gateway for BACnet communication protocol

ModBus Gateway

BMS gateway for communication protocol Modbus RTU / Modbus TCP gateway



AHU CONNECTION KIT

Model	AP-AK2	AP-AK3	AP-AK4	AP-AK5
HP	5	10	20	30
Capacity	≤16kW	22-33,5kW	33.5-56kW	56-85kW
Piping	Ø7.94	Ø12.7	Ø15.88	Ø19.05
Communication cable	2x0.75 screened			

HECO AHU connection kit is an interface to allow 3rd party AHU to connect with Hyundai VRF outdoor units. It can be combined for bigger capacities.



HYUNDAI

Beyond Boundaries