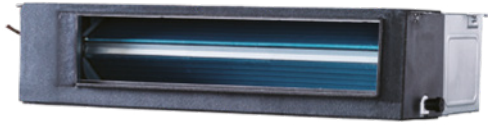


# INDOOR UNITS

# VRF SYSTEM

## SHORT CEILING CONCEALED DUCTED UNIT



## CONTROL

Wired	Wired	Wireless	Centralized
Standard	Optional	Optional	Optional

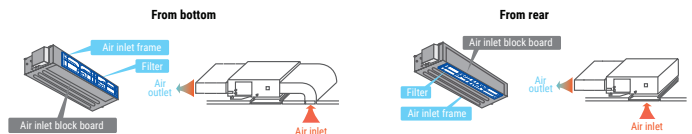
## FEATURES

### ACCESSORIES

Plenum box	Air filter	EXV	Drain pump	AC motor	DC motor
Standard	Optional	Standard(built-in)	Optional	Standard	Optional

### FLEXIBLE INSTALLATION

- o Air return method is optional by actual installation, from rear or from bottom.

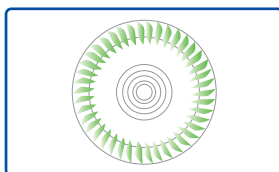


### BIG AIR FLOW LOW NOISE CENTRIFUGAL FAN WHEEL

- o Big air flow low noise centrifugal fan blade with special air tunnel system, and the unique shock absorption measures, making this series ducted units' running noise is as low as 24 dB(A), let users to enjoy the comfort, sleep without any disturbance.

High efficiency low noise motor, motor and support frame with rubber ring isolation, can absorb vibration and reduce noise.

Air inlet of fan wheel casing is arch curved design; it can reduce air flow's disturbance, make it flow smoother to reduce noise.



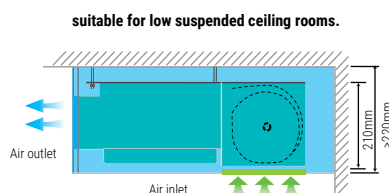
Special resin material fan wheel.



All vanes are dislocation distribution to offset sound wave, so that the noise can be reduced.

### SLIM BODY, EASY TO INSTALL

- o Has slim body with 210 mm height, it is specially suitable for low suspended ceiling rooms. suitable for low suspended ceiling rooms



### DRAIN PUMP IS OPTIONAL

- o Pumping head is 700 mm.

### DC FAN MOTOR IS OPTIONAL

### INTEGRATED DESIGN OF MOTOR AND MOTOR BRACKET, LOWER NOISE

# INDOOR UNITS

VRF SYSTEM

## SPECIFICATION

Short Ceiling Concealed Ducted Unit			BLHV-22-I-DL-AC/1R1A	BLHV-28-I-DL-AC/1R1A	BLHV-36-I-DL-AC/1R1A	BLHV-45-I-DL-AC/1R1A	BLHV-56-I-DL-AC/1R1A	BLHV-71-I-DL-AC/1R1A
Power type			50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
		kBtu/h	7.5	9.5	12.2	15.3	19.1	24.2
	Heating	kW	2.5	3.2	4	5	6.3	8
		kBtu/h	8.5	10.9	13.6	17	21.4	27.2
Motor input	Quantity	kW	0.05	0.05	0.07	0.08	0.09	0.11
Air flow		m <sup>3</sup> /h	450	450	550	620	800	1000
		CFM	260	260	324	360	520	640
Sound Level		DB(A)	24~29	24~29	25~32	32~37	28~38	30~39
ESP		Pa	30					
Dimension (WxHxD)	Packing	mm	910x240x510	910x240x510	910x240x510	910x240x510	1110x240x510	1310x240x510
	Body	mm	814x210x467	814x210x467	814x210x467	814x210x467	1010x210x467	1214x210x467
	Panel packing	mm	/					
	Panel	mm	/					
Body Weight	Net	kg	16	16	16.5	16.5	21	25.5
	Gross	kg	18.5	18.5	19	19	24	28.5
Connecting pipe	Gas	mm	Ø 9.53	Ø 9.53	Ø 12.7	Ø 12.7	Ø 12.7	Ø 15.9
	Liquid	mm	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 6.35	Ø 9.53
	Drain	mm	ODØ25					
Standard controller			Wired controller					

1 Power supply: 220-240V/1N for 50Hz;208-230V/1N for 60Hz.

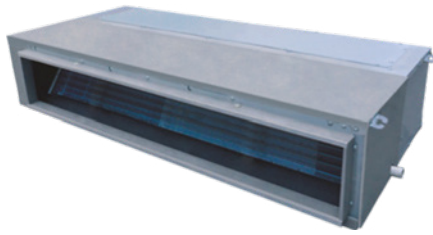
2 Cooling test condition: indoor side 27°C DB,19°C WB outdoor side 35°C DB.Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.

3 Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.





4 The above data may be changed without notice for future improvement on quality and performance.

# INDOOR UNITS VRF SYSTEM

## MEDIUM ESP DUCTED UNIT



## CONTROL

Wired	Wired	Wireless	Centralized
			
Standard	Optional	Optional	Optional

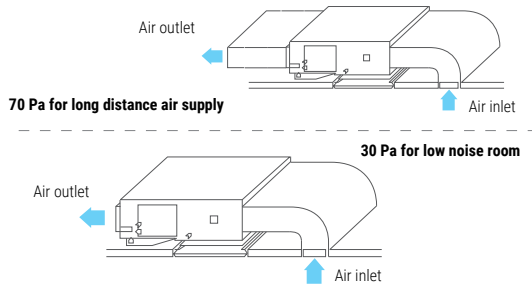
## FEATURES

### ACCESSORIES

Plenum box	Air filter	EXV	Drain pump	AC motor	DC motor
Standard	Standard	Standard	Optional	Standard	Optional

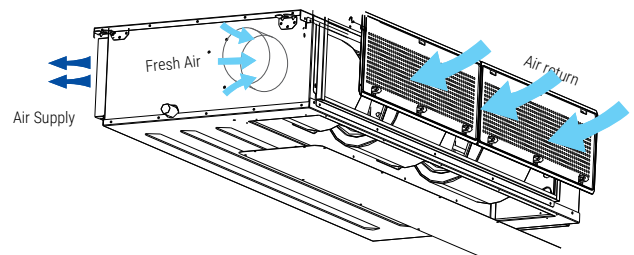
### STATIC PRESSURE

- 70Pa ESP is standard, suitable for long distance air supply, 30Pa is optional (can be set on site), suitable for low noise requirement rooms



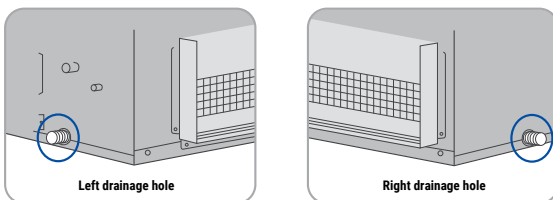
### FRESH AIR INTAKE

- A reserved outside air intake port allows outdoor air to be introduced directly into the unit, no need for a separate ventilation system.



### CONVENIENT IN DRAINAGE PIPE INSTALLATION

- Reserved drainage pipe outlet holes on left side and right side, installer can choose the outlet holes on site as per actual conditions, flexible for drainage pipe installation.



### WHOLE UNIT LOW NOISE DESIGN, SILENT OPERATION

- Using multiple noise reduction technology, including the design of high efficiency low noise motor, aviation fan wheel, low vibration wheel casing, unique design, the inner wall configuration with high quality insulation materials, and so on, to make the units running in a low noise condition.
  - Aviation fan wheel, designed by the industry's top design software.
  - High quality insulation materials, effectively reducing noise diffusion
  - High efficiency low noise motor, motor and support frame with rubber ring isolation, can absorb vibration and reduce noise.
  - Wheel casing streamline design, reduce the airflow disturbance to lower the noise.

### TWO AIR RETURN INSTALLATION METHODS

- Air return from rear or bottom is easy to change on site, convenient for installation.

### DC FAN MOTOR IS OPTIONAL

- The power consumption of DC fan motor can be reduced greatly in comparison to corresponding AC type.

# INDOOR UNITS

VRF SYSTEM

## SPECIFICATION

Medium ESP Ducted Unit			BLHV-71-I-DM-AC/1R1A	BLHV-80-I-DM-AC/1R1A	BLHV-90-I-DM-AC/1R1A	BLHV-100-I-DM-AC/1R1A	BLHV-120-I-DM-AC/1R1A	BLHV-150-I-DM-AC/1R1A
Power type			50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	12.0	15.0
		kBtu/h	24.2	27.2	30.7	34.1	40.9	51.1
	Heating	kW	8.0	9.0	10.0	11.0	13.0	17.0
		kBtu/h	27.2	30.7	34.1	37.5	44.3	58
Motor input		Quantity	kW		0.30	0.30	0.34	0.34
Air flow			m <sup>3</sup> /h	1220	1220	1850	2000	2000
			CFM	710	710	1080	1170	1170
Sound Level			DB(A)	36~41	36~41	38~43	40~44	40~44
ESP			Pa	70				
Dimension (WxHxD)	Packing	mm	1255x325x720	1255x325x720	1490x325x720	1490x325x720	1490x325x720	1490x325x720
	Body	mm	1209x260x680	1209x260x680	1445x260x680	1445x260x680	1445x260x680	1445x260x680
	Panel packing	mm	/					
	Panel	mm	/					
Body Weight		Net	kg	33	33	46	46	46
		Gross	kg	37	37	50	50	50
Connecting pipe		Gas	mm	Ø15.9				
		Liquid	mm	Ø9.53				
		Drain	mm	ODØ25				
Standard controller			Wired controller					

1 Power supply: 220-240V/1N for 50Hz;208-230V/1N for 60Hz.

2 Cooling test condition: indoor side 27°C DB,19°C WB outdoor side 35°C DB.Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.

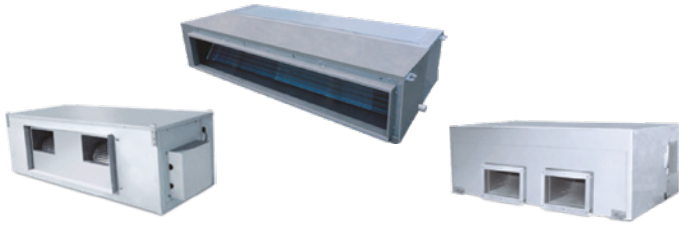
3 Sound level: measured at a point 1 m in front of the unit at a height of 1.5m. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

4 The above data may be changed without notice for future improvement on quality and performance.

# INDOOR UNITS

VRF SYSTEM

## HIGH ESP DUCTED UNIT



## CONTROL

Wired	Wired	Wireless	Centralized
Standard	Optional	Optional	Optional

## FEATURES

### ACCESSORIES

Plenum box	Air filter	EXV	Drain pump	AC motor	DC motor
Standard	Standard	Standard	Optional	Standard	/

### OPTIONAL WATER PUMP

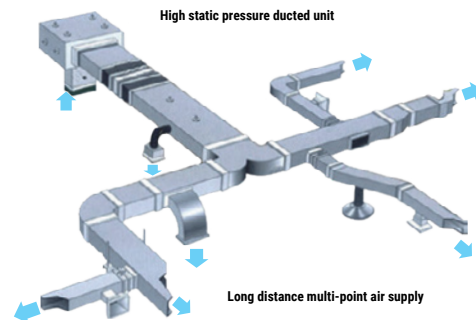
- o Slim body, saving suspended ceiling spaces. And water pump is optional, pump head up to 700 mm.

### HIGH STATIC PRESSURE

- o Big air flow with high static pressure, easy for large rooms duct design. Suitable for different shape of rooms.

### CAN BE USED WITH VARIOUS DIFFUSERS

- o Used with various diffusers, meet for different kinds of decoration.



## SPECIFICATION

High ESP Ducted Unit			BLHV-71-I-DH-AC/1R1A	BLHV-80-I-DH-AC/1R1A	BLHV-90-I-DH-AC/1R1A	BLHV-100-I-DH-AC/1R1A	BLHV-120-I-DH-AC/1R1A
Power type			50Hz	50Hz	50Hz	50Hz	50Hz
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	12.0
		kBtu/h	24.2	27.2	30.7	34.1	40.9
	Heating	kW	7.8	8.8	10.0	11.0	13.0
		kBtu/h	26.6	30	34.1	37.5	44.3
Motor input	Quantity	kW	0.34	0.34	0.34	0.45	0.45
Air flow		m <sup>3</sup> /h	1500	1500	1500	2300	2300
		CFM	880	880	880	1350	1350
Sound Level		DB(A)	40~42	40~42	40~42	44~52	44~52
ESP		Pa	150	150	150	150	150
Dimension (WxHxD)	Packing	mm	1490x325x720	1490x325x720	1490x325x720	1245x445x655	1245x445x655
	Body	mm	1445x260x680	1445x260x680	1445x260x680	1190x370x620	1190x370x620
Body Weight	Net	kg	46	46	46	47	47
	Gross	kg	50	50	50	51	51
Connecting pipe	Gas	mm	Ø15.9	Ø15.9	Ø15.9	Ø15.9	Ø15.9
	Liquid	mm	Ø9.53	Ø9.53	Ø9.53	Ø9.53	Ø9.53
	Drain	mm			ØØ25		
Standard controller					Wired controller		

# INDOOR UNITS

## VRF SYSTEM

High ESP Ducted Unit			BLHV-150-I-DH-AC/1R1A	BLHV-200-I-DH-AC/1R1A	BLHV-250-I-DH-AC/1R1A	BLHV-280-I-DH-AC/1R1A	BLHV-450-I-DH-AC/1R1A	BLHV-560-I-DH-AC/1R1A	
Power type			50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	
Capacity	Cooling	kW	15.0	20.0	25.0	28.0	45.0	56.0	
		kBtu/h	51.1	68.2	85.3	95.5	153.5	191.0	
	Heating	kW	17.0	22.0	27.5	30.8	50.0	63.0	
		kBtu/h	58.0	75.0	93.8	105.0	170.6	214.9	
Motor input	Quantity	kW	0.45	1.2	1.2	1.2	1.6	2.5	
Air flow	m <sup>3</sup> /h		2300	4000	4200	4400	6000	8000	
	CFM		1350	2350	2470	2580	3520	4700	
Sound Level	DB(A)		44~52	45~53	45~54	45~55	60	64	
ESP	Pa		150	150	150	150	200	200	
Dimension (WxHxD)	Packing	mm	1245x445x655	1245x445x655	1510x580x870	1510x580x870	2267x840x1050	2267x840x1050	
	Body	mm	1190x370x620	1465x448x811	1465x448x811	1465x448x811	2165x676x916	2165x676x916	
Body Weight	Net	kg	47	102	102	102	222	222	
	Gross	kg	51	113	113	113	260	260	
Connecting pipe	Gas	mm	Ø15.9	Ø22.2	Ø22.2	Ø22.2	Ø28.6	Ø28.6	
	Liquid	mm	Ø9.53	Ø12.7	Ø12.7	Ø12.7	Ø15.9	Ø15.9	
	Drain	mm	ODØ25	ODØ30	ODØ30	ODØ30	ODØ32	ODØ32	
Standard controller			Wired controller						

1 Power supply: 220-240V/1N for 50Hz;208-230V/1N for 60Hz.

2 Cooling test condition: indoor side 27°C DB,19°C WB outdoor side 35°C DB.Heating test condition: indoor side 20°C DB, 15°C WB outdoor side 7°C DB.

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