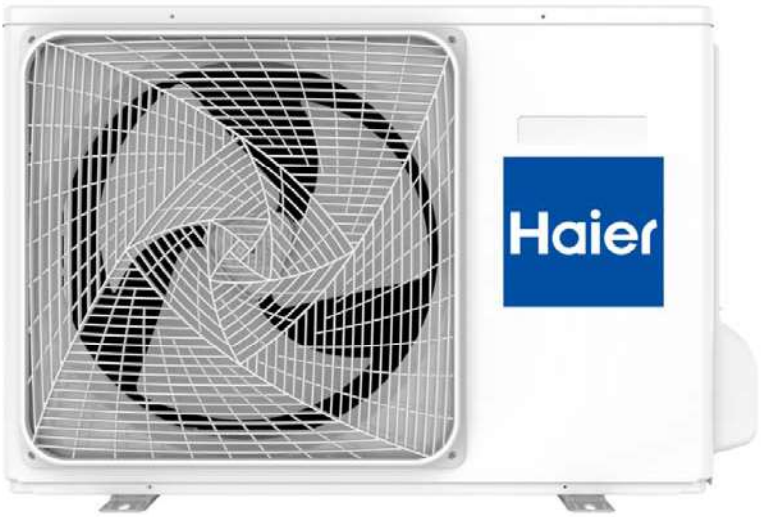
Haier SERVICE MANUAL

Wall Mounted Type

DC Inverter

Model No.1U35YEGFRA



⚠WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or Repair the product or products dealt with in this service information by anyone else could result in serious injury or death

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Haier Group **Version：V1** **Date：2020-12-07**

2 .Specifications

NOMINAL DISTRIBUTION SYSTEM VOLTAGE		
Phase	/	1
Frequency	Hz	50
Voltage	V	220 -240

NOMINAL CAPACITY and NOMINAL INPUT			
		cooling	heating
Capacity rated	KW	3.2（0.8-3.6）	3.4（0.8-4.2）
	Btu/h	10920(2730-12286）	11603(2730-14330）
Power Consumption(Rated)	KW	0.99	0.92
SEER/SCOP	W/W	6.1	4.0
Annual energy consumption	KWh	184	980
Moisture Removal	m^3/h	1.4*10 ^{3}	

TECHNICAL SPECIFICATIONS-UNIT				
Dimensions	H*W*D	mm	700×245×544	
Packaged Dimensions	H*W*D	mm	845×320×593	
Weight	/	KG	23.6	
Gross weight	/	KG	26.1	
Sound level	Sound pressure	dB(A)	50	51
	Sound power	dB(A)	63	64

ELECTRICAL SPECIFICATIONS			
		cooling	heating
Nominal running current	A	4.5	4.2
Maximum running current	A	7.1	7.1
Starting current	A	1.4	1.4

TECHNICAL SPECIFICATIONS-PARTS				
			cooling	heating
Compressor	Type		Rotary Compressor	
	Model		GSD102RKQA6JT6B	
	Motor output	W	990	
	Oil type		ACS-68Ror equivalent	
	Oil charge volume	L	0.32	
Fan	Type		Axial fan	
	Motor output	W	40	
	Air flow rate(high)	m^3/h	2100	
	Speed(high/low)	rpm	850/300	
Heat exchanger	Type		ML fin- Φ7HI-HX tube	
	Row*stage*fitch		1*14*1.4	

TECHNICAL SPECIFICATIONS-OTHERS				
Refrigerant circuit	Refrigerant type			R32
	Refrigerant charge		KG	0.53
	Maximum allowable distance between indoor an outdoor		m	20
	Maximum allowable level difference		m	10
	Refrigerant control		CAPILLARY	
Piping connections (external diameter)		liquid	mm	Φ6.35
		gas	mm	Φ9.52
		drain	mm	Φ16
Heat insulation type			Both liquid and Gas pipes	
Max. piping Length			m	20
Max. vertical Difference			m	10
Chargeless			m	5
Amount of Additional Charge of Refrigerant			g/m	20
Intemational Protection degree			IP X4	

Note: the data are based on the conditions shown in the table below

cooling	heating	Piping length
Indoor: 27℃DB/19℃WB Outdoor: 35℃DB/24℃WB	Indoor:20℃DB Outdoor: 7℃DB/6℃WB	5m

Conversation formulae
Kcal/h= KW×860
Btu/h= KW×3414
cfm=m³/min×35.3

3. Sensors list

type	Description	Qty
Ambient sensor	Its used for detecting temperature of outdoor side	1
Defrosting sensor	Its used for controlling outdoor defrosting at heating mode	
Discharging sensor	Its used for compressor in case of over-heat	