

2-WAY Mini-FSV LE2 Series

kW			12.1		12.1		14.0		14.0		15.5		15.5	
Model name			U-4LE2R5		U-4LE2R8		U-5LE2R5		U-5LE2R8		U-6LE2R5		U-6LE2R8	
Power supply			230/240V/1-phase/50Hz		400/415V/3-phase/50Hz		230/240V/1-phase/50Hz		400/415V/3-phase/50Hz		230/240V/1-phase/50Hz		400/415V/3-phase/50Hz	
Voltage			230V	240V	400V	415V	230V	240V	400V	415V	230V	240V	400V	415V
Capacity	Cooling	kW	12.1		12.1		14.0		14.0		15.5		15.5	
		BTU/h	41,300		41,300		47,800		47,800		52,900		52,900	
	Heating	kW	12.5		12.5		16.0		16.0		16.5		16.5	
		BTU/h	42,700		42,700		54,600		54,600		56,300		56,300	
EER/COP	Cooling	W/W	4.50		4.50		4.06		4.06		3.73		3.73	
	Heating	W/W	5.19		5.19		4.60		4.60		4.27		4.27	
Dimensions (H/W/D)		mm	996 x 980 x 370		996 x 980 x 370		996 x 980 x 370		996 x 980 x 370		996 x 980 x 370		996 x 980 x 370	
Net weight		kg	106		106		106		106		106		106	
Electrical ratings	Cooling	Running current A	12.70	12.20	4.17	4.02	16.30	15.60	5.30	5.11	19.40	18.60	6.37	6.14
		Power input kW	2.69	2.69	2.69	2.69	3.45	3.45	3.45	3.45	4.15	4.15	4.15	4.15
	Heating	Running current A	11.60	11.20	3.78	3.64	16.60	15.90	5.34	5.15	18.20	17.50	5.93	5.71
		Power input kW	2.41	2.41	2.41	2.41	3.48	3.48	3.48	3.48	3.86	3.86	3.86	3.86
Starting current		A	1		1		1		1		1		1	
Air flow rate	m³ / h		4,140		4,140		4,320		4,320		4,440		4,440	
	L/s		1,150		1,150		1,200		1,200		1,233		1,233	
Refrigerant amount at shipment		kg	R410A 6.70		R410A 6.70		R410A 6.70		R410A 6.70		R410A 6.70		R410A 6.70	
Piping connection	Gas pipe	mm (inches)	Ø15.88 (Ø5/8)		Ø15.88 (Ø5/8)		Ø15.88 (Ø5/8)		Ø15.88 (Ø5/8)		Ø15.88 (Ø5/8)		Ø15.88 (Ø5/8)	
	Liquid pipe	mm (inches)	Ø9.52 (Ø3/8)		Ø9.52 (Ø3/8)		Ø9.52 (Ø3/8)		Ø9.52 (Ø3/8)		Ø9.52 (Ø3/8)		Ø9.52 (Ø3/8)	
Ambient temperature operating range			Cooling:-10°CDB--+46°CDB, Heating:-20°CWB--+18°CWB		Cooling:-10°CDB--+46°CDB, Heating:-20°CWB--+18°CWB		Cooling:-10°CDB--+46°CDB, Heating:-20°CWB--+18°CWB		Cooling:-10°CDB--+46°CDB, Heating:-20°CWB--+18°CWB		Cooling:-10°CDB--+46°CDB, Heating:-20°CWB--+18°CWB		Cooling:-10°CDB--+46°CDB, Heating:-20°CWB--+18°CWB	
Sound pressure level (Cooling)	Normal mode	dB(A)	52.0		52.0		53.0		53.0		54.0		54.0	
	Silent mode	dB(A)	45.0		45.0		46.0		46.0		47.0		47.0	
Sound power level (Cooling)	Normal mode	dB	69.0		69.0		71.0		71.0		73.0		73.0	

Global remarks	Rated conditions:	Cooling	Heating
	Indoor air temperature	27°C DB / 19°C WB	20°C DB
	Outdoor air temperature	35°C DB	7°C DB / 6°C WB

* As a foot print.

** Anti-corrosion model (with suffix "E") has the same specifications.
Applies to single phase models only.

ENERGY EFFICIENCY RATING

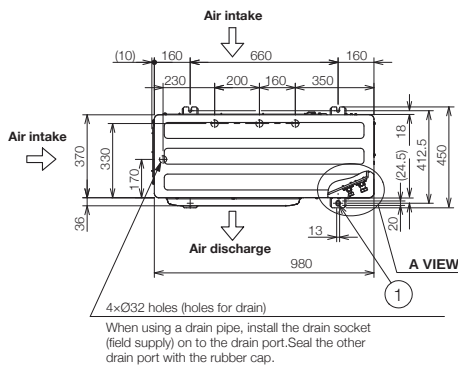


Dimensions

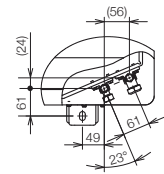
U-4LE2R5 / U-4LE2R8

U-5LE2R5 / U-5LE2R8

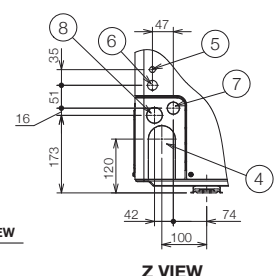
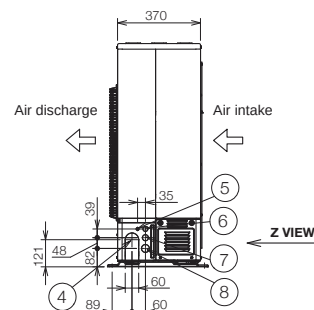
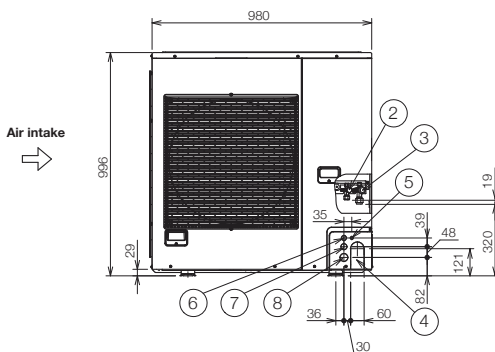
U-6LE2R5 / U-6LE2R8



①	Mounting hole (4-R6.5), anchor bolt : M10
②	Refrigerant tubing (liquid tube), flared connection (Ø9.52)
③	Refrigerant tubing (gas tube), flared connection (Ø15.88)
④	Refrigerant tubing port
⑤	Electrical wiring port (Ø13)
⑥	Electrical wiring port (Ø22)
⑦	Electrical wiring port (Ø27)
⑧	Electrical wiring port (Ø35)



A VIEW



Z VIEW

Unit: mm

2-WAY Mini-FSV LE1 Series

kW			22.4		25.0	
Model name			U-8LE1R8		U-10LE1R8	
Power supply			400/415V/3-phase/50Hz 380/400V/3-phase/60Hz		400/415V/3-phase/50Hz 380/400V/3-phase/60Hz	
Voltage			400V	415V	400V	415V
Capacity	Cooling	kW	22.4		25.0	
		BTU/h	76,500		85,300	
	Heating	kW	25.0		28.0	
		BTU/h	85,300		95,600	
EER/COP	Cooling	W/W	3.80		3.31	
	Heating	W/W	4.02		3.93	
Dimensions (H/W/D)		mm	1,500 x 980 x 370		1,500 x 980 x 370	
Net weight		kg	132		133	
Electrical ratings	Cooling	Running current A	9.15	8.80	11.70	11.30
		Power input kW	5.89	5.89	7.55	7.55
	Heating	Running current A	9.65	9.30	11.10	10.70
		Power input kW	6.22	6.22	7.13	7.13
Starting current		A	1		1	
Air flow rate	m³ / h		9,000		9,600	
	L/s		2,500		2,666	
Refrigerant amount at shipment		kg	R410A 6.30		R410A 6.60	
Piping connection	Gas pipe	mm (inches)	Ø19.05 (Ø3/4)		Ø22.22 (Ø7/8)	
	Liquid pipe	mm (inches)	Ø9.52 (Ø3/8)		Ø9.52 (Ø3/8)	
Ambient temperature operating range			Cooling:-10°CDB~+46°CDB, Heating:-20°CWB~+18°CWB		Cooling:-10°CDB~+46°CDB, Heating:-20°CWB~+18°CWB	
Sound pressure level (Cooling)	Normal mode	dB(A)	60.0		62.0	
	Silent mode	dB(A)	53.0		55.0	
Sound power level (Cooling)	Normal mode	dB	81.0		83.0	

Global remarks	Rated conditions:	Cooling	Heating
	Indoor air temperature	27°C DB / 19°C WB	20°C DB
	Outdoor air temperature	35°C DB	7°C DB / 6°C WB

* As a foot print.

** Anti-corrosion model (with suffix "E") has the same specifications.

ENERGY EFFICIENCY RATING

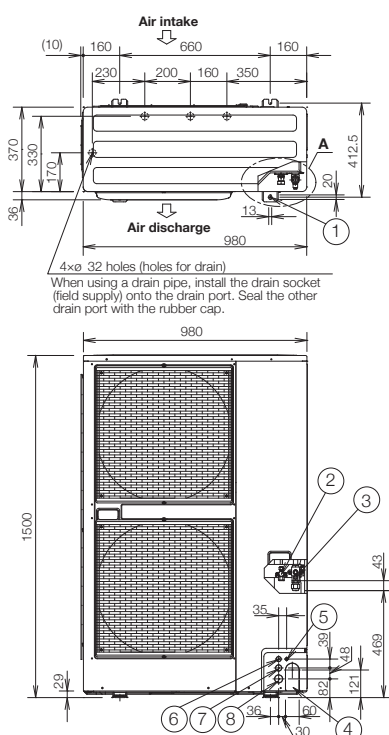


U-8LE1R8

U-10LE1R8

Dimensions

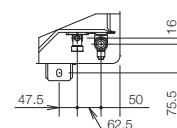
U-8LE1R8 / U-10LE1R8



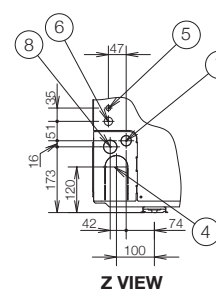
- ① Mounting hole (4-R6.5), anchor bolt : M10
- ② Refrigerant tubing (liquid tube), flared connection (ø9.52) for 8-10 HP finally.
- ③ Refrigerant tubing (gas tube), flared connection (ø19.05)
- ④ Refrigerant tubing port
- ⑤ Electrical wiring port (ø13)
- ⑥ Electrical wiring port (ø22)
- ⑦ Electrical wiring port (ø27)
- ⑧ Electrical wiring port (ø35)

For U-10LE1H7

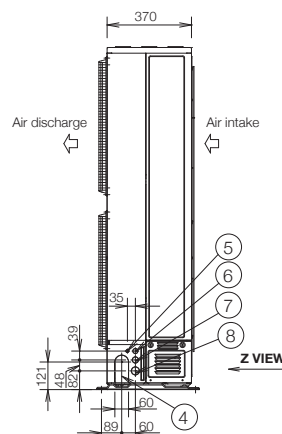
The tubing of the gas main has a diameter of ø22.22, but the connection to the service valve of the outdoor unit has a diameter of ø19.05, so a flare has to be used. Consequently, be sure to use the enclosed joint tube B and joint tube A in making connections (brazing).



A VIEW



Z VIEW



Unit: mm