# 2 SELECTION DATA

# 2.1 Specifications

Model SRK52HE (Indoor unit) SRC52HE (Outdoor unit)

(220/230/240V)

	0110	<u> </u>	Juluooi uii	••,		(220/230/240V)	
Item				Model	SRK52HE	SRC52HE	
Cooli	ng capacity(1)			W	54	00	
Heatir	ng capacity(1)			W	56	00	
Power source					1 Phase, 220	)-240V, 50Hz	
	Cooling inp	ut		kW	1.7	73	
Operation data <sup>(1) (2)</sup>	Running cu	rrent (Cod	oling)	Α	8.6/8.	3/7.9	
	Heating inpu	ut		kW	1.4	19	
	Running cu	rrent (Hea	ting)	Α	7.4/7.	1/6.8	
	Inrush curre	ent		Α	4	2	
	COP				Cooling: 3.12	Heating: 3.76	
rat			Sound level		Hi 43, Me 39, Lo 36	49	
ed(		Cooling	Power level		59	65	
١	Noise level		Sound level	dB	Hi 41, Me 39, Lo 37	49	
		Heating	Power level		59	65	
	ior dimension ght × Width ×		1 0 11 0 1 1 0 1 0 1	mm	318 × 1098 × 248	640 × 850 × 290	
Color	•	Берин			Yellowish white	Stucco white	
Net w				kg	16	47	
Refrig	gerant equipm pressor type				-	RM5522GNE4 (Rotary type) × 1	
	Motor	,		kW	_	1.7	
	Starting me	thod			_	Line starting	
Hea	t exchanger				Slit fins & inner grooved tubing	Straight fin & inner grooved tubing	
	rigerant contr	ol			Capillary tubes + Electric expansion valve		
Refrigerant <sup>(3)</sup>				kg	R22 1.6 (Pre-Charged up to the piping length of 7m)		
Refrigerant oil				l	0.7 (B-32SAM)		
	ce control			-	Microcomputer control		
Air handling equipment					T (16)	D 11 C1	
Fan type & Q'ty					Tangential fan × 1	Propeller fan $\times$ 1	
Motor				W	46	43	
Air flow (et High) (Cooling)			(Cooling)	OMM	17	42	
Α"	Air flow (at High) (Heating)			СММ	18	42	
Air filter, Q'ty					Polypropylene net (washable) $\times$ 2	-	
Shock & vibration absorber					_	Cushion rubber (for compressor)	
Electr	ric heater				_	-	
-	Operation control Operation switch				Wireless-Remote controller	-	
Roc	om temperatu	re control			Microcomputer thermostat	_	
Pilo	t lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)		
Safety	y equipment				Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro	protection (High pressure control), Frost protection,	
	O.D			mm (in)		′) Gas line: \( \psi 15.88 \) (5/8″)	
erant	Connecting method				Flare connecting		
ger		Attached length of piping			Liquid line: 0.70m		
Refrige piping	3 - 5 - F F - 5				Gas line: 0.63m	_	
ᇓᅙ	Insulation	Insulation			Necessary (	Both sides)	
Drain	hose				Connectable		
Powe	r source supp	oly			Terminal block (S	crew fixing type)	
			Core number		1.5 mm <sup>2</sup> × 4 cores (In		
Conn	ection wiring	Conne	cting method		Terminal block (Screw fixing type)		
Acces	ssories (inclu				Mounting kit, Clean filter (Natural enzyme filter × 1, Photocatalytic washable deodorizing filter × 1)		
Optio	nal parts				-	-	
Optional parts							

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air temperature		Standards
Operation	DB	WB	DB	WB	Standards
Cooling	27℃	19°C	35°C	24°C	ISO-T1, JIS C9612
Heating	20°C	-	7°C	6°C	ISO-T1, JIS C9612

The piping length is 7.5m.

<sup>(2)</sup> The operation data are applied to the 220/230/240V districts respectively.

<sup>(3)</sup> The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping. (Purging is not required even in the short piping.)

If the piping length is longer, when it is 7 to 15m, add 25g refrigerant per meter.

(220/230/240V)

Item				Model	SRK63HE	SRC63HE	
Cooling cap	pacity <sup>(1)</sup>			W	61	00	
Heating cap	pacity <sup>(1)</sup>			W	63	00	
Power source					1 Phase, 220	0-240V, 50Hz	
Coo	Cooling input			kW	2.	17	
I	Running current (Cooling)			Α	10.8/10	0.4/9.9	
E Hea	ating inpu	ıt		kW	1.1	33	
<u>~</u>	nning cur		ting)	Α	9.1/8.	7/8.4	
ම් Inru	ısh curre	nt		Α	48	.2	
OF	COP			Cooling: 2.81	Heating: 3.44		
era		Cooling	Sound level	dB	Hi 44, Me 40, Lo 37	49	
Ö Nair	se level		Power level		59	65	
NOIS	se ievei		Sound level		Hi 42, Me 40, Lo 38	49	
		Heating	Power level		59	65	
Exterior dir Height ×				mm	318 × 1098 × 248	640 × 850 × 290	
Color		•			Yellowish white	Stucco white	
Net weight	:			kg	16	48	
Refrigerant Compres					-	RM5526GNE4 (Rotary type) × 1	
Mot		,		kW	_	1.9	
Star	rting met	hod			_	Line starting	
Heat excl	hanger				Slit fins & inner grooved tubing	Straight fin & inner grooved tubing	
Refrigerant control					Capillary tubes + Electric expansion valve		
Refrigerant <sup>(3)</sup>				kg	R22 1.6 (Pre-charged up t	o the piping length of 7m)	
Refrigerant oil				l	0.7 (B-32SAM)		
Deice control					Microcomp	uter control	
Air handling equipment Fan type & Q'ty					Tangential fan × 1	Propeller fan $\times$ 1	
Motor				W	46	43	
			(Cooling)		18	42	
Air flow (at High)			(Heating)	СММ	19	42	
Air filter,	Q'ty				Polypropylene net (washable) × 2	_	
Shock & vibration absorber							
Shock & vil	bration a	bsorber			_	Cushion rubber (for compressor)	
Shock & vil		bsorber			-	Cushion rubber (for compressor)	
Electric hea	ater control	bsorber			- - Wireless-Remote controller	Cushion rubber (for compressor)	
Electric hea Operation of Operation	ater control on switch					Cushion rubber (for compressor)	
Operation of Operation Room ter	ater control n switch mperatur				Microcomputer thermostat	- - -	
Operation Operation	ater control on switch mperatur				Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection	
Operation of Operation of Operation Room ter Pilot lam Safety equi	ater control on switch mperatur ip			mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection	
Operation of Operation of Operation Room ter Pilot lam Safety equi	ater control on switch mperatur ip ipment	e control		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: \( \phi \)6.35 (1/4'	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection ry Gas line: \$15.88 (5/8")	
Operation of Operation Room ter Pilot lam Safety equi	ater control on switch mperatur ip ipment	e control		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: \( \phi \)6.35 (1/4 Flare coi	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection ry Gas line: \$15.88 (5/8")	
Operation of Operation Room ter Pilot lam Safety equi	ater control on switch mperatur ip ipment	e control		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor err Liquid line: 66.35 (1/4 Flare col	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection ry Gas line: \$15.88 (5/8")	
Operation of Operation of Operation Room ter Pilot lam Safety equi	ater control on switch mperatur ip ipment	e control		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: 06.35 (1/4 Flare con Liquid line: 0.70m Gas line: 0.63m	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection  ") Gas line: \$\phi\$15.88 (5/8") nnecting	
Pilot lam Safety equi  ODD Con Atta	ater control on switch mperatur op ipment onecting ached len	e control		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor err Liquid line: 66.35 (1/4 Flare col	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection  ") Gas line: \$15.88 (5/8") nnecting  - Both sides)	
Operation of Operation Room ter Pilot lam Safety equi	ater control on switch mperatur p ipment onnecting ached len	e control		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: 66.35 (1/4/ Flare coll Liquid line: 0.70m Gas line: 0.63m  Necessary (	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection ry Gas line: \$15.88 (5/8") nnecting  Both sides) ctable	
Electric head Operation of Operation of Operation of Operation Room ter Pilot lamp Safety equi	ater control on switch mperatur p ipment onnecting g ached len ulation e rrce supp	e control method egth of pil		mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: \( \phi \)6.35 (1/4' Flare con Liquid line: 0.70m Gas line: 0.63m  Necessary ( Conne	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection ry Gas line: \$15.88 (5/8") nnecting  Both sides) ctable screw fixing type)	
Pilot lam Safety equi  To Do  Operation Room ter Pilot lam Safety equi  OD  Con Atta Drain hose	ater control on switch mperatur p ipment onnecting g ached len ulation e rrce supp	method gth of pip	ping	mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: 06.35 (1/4/ Flare coll Liquid line: 0.70m Gas line: 0.63m  Necessary ( Conne	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection or protection '') Gas line: \$\phi\$15.88 (5/8") nnecting  Both sides) ctable Grew fixing type) including earth cable)	
Electric head Operation of Operation of Operation of Operation Room ter Pilot lamp Safety equi	ater control on switch mperatur ip ipment onnecting ached len ulation orce suppi	method gth of pip	oing Core number	mm (in)	Microcomputer thermostat RUN (Green), TIMER (Yellow), HI Compressor: overheat protection, Heating overload Serial signal error protection, Indoor fan motor erro Liquid line: 06.35 (1/4/ Flare coll Liquid line: 0.70m Gas line: 0.63m  Necessary ( Conne Terminal block (S 1.5 mm² × 4 cores (In Terminal block (S	POWER (Green), ECONO (Orange) protection (High pressure control), Frost protection or protection '') Gas line: \$\phi\$15.88 (5/8") nnecting  Both sides) ctable crew fixing type) including earth cable)	

Notes (1) The data are measured at the following conditions.

Item	Indoor air	temperature	Outdoor air	Standards	
Operation	DB	WB	DB	WB	Standards
Cooling	27℃	19°C	35°C	24°C	ISO-T1, JIS C9612
Heating	20°C	-	7°C	6°C	ISO-T1, JIS C9612

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping. (Purging is not required even in the short piping.)

If the piping length is longer, when it is 7 to 15m, add 25g refrigerant per meter.

	0.10	7	Jataoor arr	••,		(220/230/240 V	
Item				Model	SRK71HE	SRC71HE	
Cooli	ng capacity(1)			W	68	00	
Heati	ng capacity <sup>(1)</sup>			W	72	00	
Power source					1 Phase, 220-240V, 50Hz		
	Cooling input			kW	2.	05	
	Running current (Cooling)			Α	10.2/9	.8/9.4	
(2)	Heating inp	ut		kW	1.8	38	
ta <sup>(1</sup>	Running cu	rrent (Hea	iting)	Α	9.4/9.	0/8.6	
Operation data <sup>(1) (2)</sup>	Inrush curre	ent		Α	4	8	
	COP				Cooling: 3.32	Heating: 3.83	
rat			Sound level		Hi 45, Me 41, Lo 38	54	
ed (		Cooling	Power level		59	69	
0	Noise level		Sound level	dB	Hi 44, Me 42, Lo 39	55	
		Heating	Power level		59	70	
Fyter	ior dimension	<u> </u>				-	
	$ght \times Width \times$			mm	318 × 1098 × 248	$750\times880\times340$	
Color	•				Yellowish white	Stucco white	
Net w				kg	16	63	
Refrig	gerant equipm			9	-	2JS386D5AB02 (Rotary type) × 1	
	Motor	a G ty		kW	_	1.8	
	Starting me	thod		KW	_	Line starting	
Ноз		iiiou			Slit fins & inner grooved tubing	Straight fin & inner grooved tubing	
	Heat exchanger				Capillary tubes + Ele		
Refrigerant control				ka	R22 1.85 (Pre-charged up t	-	
Refrigerant <sup>(3)</sup> Refrigerant oil				kg l	0.7 (ATMOS M60 o	,	
Deice control				L L	,	•	
Air handling equipment					Microcomp	uter control	
Fan type & Q'ty					Tangential fan × 1	Propeller fan $\times$ 1	
Motor				w	46	85	
			(Cooling)		20.5	60	
Air	Air flow (at High) (Heating)			CMM	20.5	60	
Δir	filter, Q'ty		()		Polypropylene net (washable) × 2		
	Shock & vibration absorber				- (washable) × 2	Cushion rubber (for compressor)	
	Electric heater				_	=	
	ation control						
Оре	eration switch				Wireless-Remote controller	-	
	om temperatu	re control			Microcomputer thermostat	_	
Pilo	ot lamp				RUN (Green), TIMER (Yellow), HI POWER (Green), ECONO (Orange)		
Safety	y equipment				Compressor: overheat protection, Heating overload protection (High pressure control), Frost protection Serial signal error protection, Indoor fan motor error protection		
	O.D			mm (in)	Liquid line: 66.35 (1/4	") Gas line: φ15.88 (5/8")	
erant	Connecting	method			Flare connecting		
g	Attached le		ping		Liquid line: 0.70m		
Refrige					Gas line : 0.63m	-	
Pig Pig	Insulation				Necessary (	Both sides)	
Drain	Drain hose				Connectable		
	r source supp	lv			Terminal block (S		
			Core number		1.5 mm² × 4 cores (In	=	
Conn	Connection wiring Connecting method				Terminal block (Screw fixing type)		
Acces	Accessories (included)				Mounting kit, Clean filter (Natural enzyme filter × 1, Photocatalytic washable deodorizing filter × 1)		
					wounting kit, Clean litter (Ivatural enzyme litter X I, Photocatalytic washable deodorizing filter X I)		
Optio	Optional parts					-	

Notes (1) The data are measured at the following conditions.

Item	Indoor air t	emperature	Outdoor air	Standards		
Operation	DB	WB	DB	WB	Standards	
Cooling	27°C	19°C	35°C	24°C	ISO-T1, JIS C9612	
Heating	20°C	_	7°C	6°C	ISO-T1, JIS C9612	

The piping length is 7.5m.

- (2) The operation data are applied to the 220/230/240V districts respectively.
- (3) The refrigerant quantity to be charged includes the refrigerant in 7 m connecting piping. (Purging is not required even in the short piping.)

If the piping length is longer, when it is 7 to 15m, add 25g refrigerant per meter.

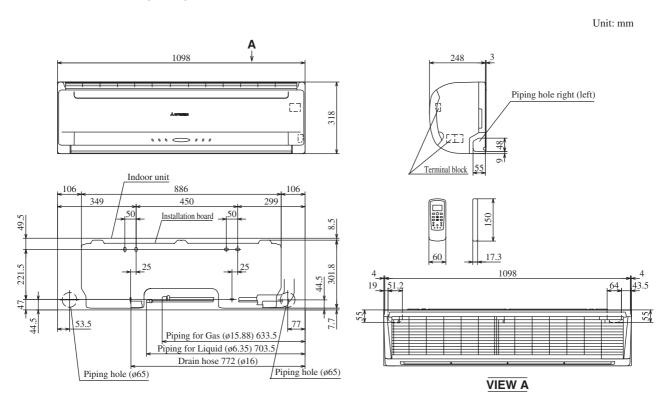
# 2.2 Range of usage & limitations

Models	All models	
Indoor return air temperature (Upper, lower limits)	Refer to the selection short	
Outdoor air temperature (Upper, lower limits)	Refer to the selection chart	
Refrigerant line (one way) length	Max. 15m	
Vertical height difference between outdoor unit and indoor unit	Max. 10m	
Power source voltage	Rating ± 10%	
Voltage at starting	Min. 85% of rating	
Frequency of ON-OFF cycle	Max. 10 times/h	
ON and OFF interval	Max. 3 minutes	

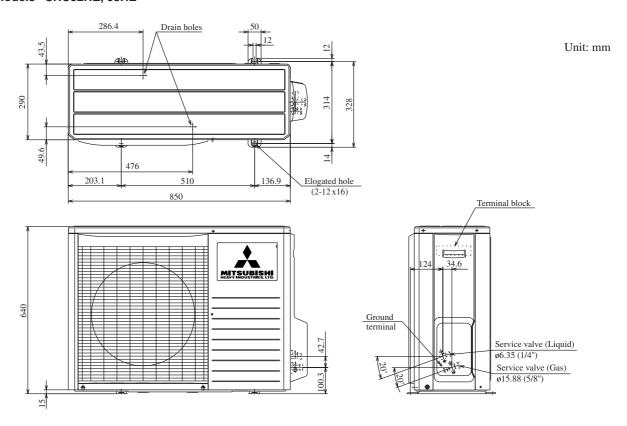
## 2.3 Exterior dimensions

### (1) Indoor unit

Models SRK52HE, 63HE, 71HE



#### (2) Outdoor unit Models SRC52HE, 63HE



### Models SRC71HE

Unit: mm 532 Drain holes 47.5 380 340 25.8 <u>9</u> 61 580 Terminal block MITSUBISHI MEAVY INDUSTRIES, LTD. Service valve (Liquid)
Flare fitting ø6.35 (1/4") 165.5 742.2 48.5 Service valve (Gas)
Flare fitting ø15.88 (5/8")