

			Tplus 2024 A+++			
Model No.			SIEH0025SDE/SO1H0025SDE	SIEH0035SDE/SO1H0035SDE	SIEH0050SDE/SO1H0050SDE	SIEH0070SDE/SO1H0070SDE
Type			heating pump	heating pump	heating pump	heating pump
Control type			remote controller	remote controller	remote controller	remote controller
Power supply			220-240V~50Hz/1P	220-240V~50Hz/1P	220-240V~50Hz/1P	220-240V~50Hz/1P
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Voltage Range	V		165~265	165~265	165~265	165~265
Cooling	Cooling capacity	W	2680(940~3810)	3580(1000~4000)	5260(1250~6000)	7030(1830~7420)
	Power consumption	W	679(240~1360)	1063(290~1500)	1421(330~2360)	1900(410~2800)
	Operating current	A	3.1(1.2~7.5)	4.9(1.5~9.0)	6.5(1.7~12.0)	8.5(2.3~15.5)
	EER	W/W	3.94	3.36	3.70	3.70
Seasonal Cooling	Pdesignc	W	2600	3500	5200	7000
	SEER	W/W	8.5	8.5	8.5	8.5
	Energy Class		A+++	A+++	A+++	A+++
	Annual energy consumption	kwh/a	108	145	215	289
Heating	Heating capacity	W	3350(940~4230)	3900(1000~4500)	5600(1250~6800)	7120(1850~7960)
	Power consumption	W	857(240~1656)	974(290~1830)	1407(340~2750)	1795(420~3000)
	Operating current	A	3.8(1.2~8.0)	4.4(1.5~10.0)	6.4(1.7~13.2)	8.2(2.3~15.5)
	COP	W/W	3.9	4	3.98	3.96
Seasonal Heating (Average)	PdesignH	W	2400	2500	4200	5300
	SCOP	W/W	4.6	4.7	4.6	4.7
	Energy Class		A++	A++	A++	A++
	Annual energy consumption	kwh/a	731	745	1279	1579
Indoor unit	Declare capacity(-10℃)	W	2200	2300	3800	5100
	Back up heating capacity(-10℃)	W	200	200	400	200
	Moisture removal	Liters/h	1.2	1.5	1.8	2
	Sound power(S/H/M-M/M-M/L/Mute)	dB(A)	54/50/47/44/39/35/29	54/50/47/44/39/35/29	57/51/46/43/40/37/33	60/54/50/47/44/40/36
Indoor coil	Sound pressure(S/H/H-M/M-M-M/L/Mute)	dB(A)	44/41/37/34/29/25/19	44/41/37/34/29/25/19	47/42/38/33/30/27/23	50/44/40/37/34/30/26
	Air circulation (S/H/H-M/M-M-M/L/Mute)	m³/h	680/630/590/550/510/470/420	680/630/590/550/510/470/420	860/790/740/680/630/570/510	1100/1020/960/890/830/770/680
	Heating	m³/h	700/650/610/570/540/500/460	700/650/610/570/540/500/460	900/810/760/700/650/590/530	1150/1070/1010/940/890/830/750
	Fan speed (S/H/H-M/M-M-M/L/Mute)	rpm	1220/1130/1060/990/920/850/750	1160/1030/940/880/810/750/680	1160/1030/940/880/810/750/680	1220/1130/1060/990/920/850/750
	Heating	rpm	1220/1130/1070/1000/940/880/800	1030/940/880/810/750/680/630	1160/1030/940/880/810/750/680	1220/1130/1070/1000/940/880/800
	Indoor fan motor Type		DC	DC	DC	DC
	Net weight	kg	9.7	9.7	10	14.2
	Gross weight	kg	12.2	12.2	13	17.2
	Net dimensions (W x H x D)	mm	808×305×209	808×305×209	909×305×209	1096×333×222
	Packing dimensions(W x H x D)-1	mm	880×375×275	880×375×275	981×375×275	1165×405×295
	a.Number of rows		2	2	2	2
	b.Tube pitchx row pitch	mm	19.5×23.2	19.5×23.2	19.5×23.2	21×25.4
	c.Fin spacing	mm	1.2	1.2	1.3	1.3
	d.Fin type (code)		Louver Fin	Louver Fin	Louver Fin	Louver Fin
	e.Tube outside dia.and type	mm	Φ5	Φ5	Φ5	Φ7
	f.Coil length x height x width	mm	606x312x23.2	606x312x23.2	705x312x23.2	843x230x25.4
	g.Number of circuits		1in3out	1in3out	4in4out	4in4out
Outdoor	Compressor	Type	Rotary	Rotary	Rotary	Rotary
	MFG		GMCC	GMCC	SANYO	SANYO
	Oil type		ESTER OIL VG74	ESTER OIL VG74	ALF68S2 or Equivalent	RM-V68GL or Equivalent
	Oil charge	ml	280	280	400	450
	Refrigerant	Type	R32	R32	R32	R32
	Charge	kg	0.57	0.6	0.87	1.27
	GWP		675	675	675	675
	CO2 equivalent		0.385	0.405	0.588	0.858
	Outdoor air circulation	m³/h	2000	2300	3000	4000
	Outdoor fan speed(S/H/M/L/Mute)	Cooling rpm	920/920/810/730/610	900/870/830/670/650	850/830/710/610/530	930/930/850/750/590
	Heating	rpm	890/890/810/750/650	910/850/850/770/670	850/850/730/610/510	890/890/830/690/590
	Outdoor fan motor Type		DC	DC	DC	DC
	Outdoor sound power	dB(A)	62	63	65	68
	Outdoor sound pressure	dB(A)	52	53	55	58
	Expansion device		Electronic expansion valve	Electronic expansion valve	Electronic expansion valve	Electronic expansion valve
	Net weight	kg	22	24	38	45
Outdoor coil	Gross weight(Without pipe)	kg	24	26	41	48
	Gross weight(With pipe)	kg	25	27	42	49
	Net dimensions (W x H x D)	mm	787×498×290	810×549×305	927×699×380	978×803×421
	Packing dimensions(W x H x D)-no pipe	mm	818×520×325	835×575×328	949×732×392	1022×835×480
	a.Number of rows		1	1	2	2
	b.Tube pitchx row pitch	mm	21x18.2	21x18.2	21x36.4	21x36.4
	c.Fin spacing	mm	1.1	1.1	1.4	1.4
	d.Fin type (code)		Corrugated	Corrugated	Corrugated	Corrugated
	e.Tube outside dia.and type	mm	Φ7	Φ7	Φ7	Φ7
	f.Coil length x height x width	mm	742x462x18.2	778x504x18.2	839x630x36.4	964x756x36.4
	g.Number of circuits		2in1out	2in1out	4in4out	4in4out
Connections	Connecting Wiring (Core x Size)	mm²	4×0.75mm²	4×0.75mm²	4×0.75mm²	4×0.75mm²
	Power supply cable(Core x Size)	mm²	3×1.5	3×1.5	3×1.5	3×2.5
	Drainage pipe diameter	mm	16	16	16	16
	Connecting Pipe	Gas	Inches 3/8"	3/8"	1/2"	1/2"
Others		Liquid	Inches 1/4"	1/4"	1/4"	1/4"
	Application area	m²	9~16	14~22	20~35	27~45
	Max. refrigerant pipe length	m	25	25	25	25
	Max. difference in level	m	10	10	10	10
	Standard precharge total pipe length	m	5	5	5	5
	Additional refrigerant charge	g/m	15	15	25	25
	Operation temperature range	m	16-31	16-31	16-31	16-31
	Ambient temperature range	Outdoor ℃	Cooling:-15-53/Heating:-25-30	Cooling:-15-53/Heating:-25-30	Cooling:-15-53/Heating:-25-30	Cooling:-15-53/Heating:-25-30
		Indoor ℃	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30