3. Specifications

Buyer Model	Set (Indoor / Outdoor)		Unit	S18ET.SSK (S18ET.NSK / S18ET.UL2)			S24ET.SSK (S24ET.NSK / S24ET.U24A)		
Factory Model				S3-M18KL3FA (S3NM18KL3FA / S3UM18KL3FA)			S3-M24K23FA (S3NM24K23FA / S3UM24K23FA)		
Capacity	Cooling	Min ~ Rated ~ Max	kW	0.90	5.00	5.50	0.90	6.60	7.42
			Btu/h	3,073	17,072	18,779	3,071	22,520	25,318
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-	-	-	-
			Btu/h	-	-	-	-	-	-
	Heating	Min ~ Rated ~ Max	kW	0.90	5.80	6.40	0.90	7.50	8.64
			Btu/h	3,073	19,804	21,852	3,071	25,591	29,481
	Heating -7 °C	Rated	kW	4.20			6.00		
Power Input	Cooling	Min ~ Rated ~ Max	W	210	1,562	1,940	210	2,164	2,500
	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-	-	-	-
	Heating	Min ~ Rated ~ Max	W	210	1,611	2,000	210	2,238	2,750
Running Current	Cooling	Min ~ Rated ~ Max	A	1.20	6.90	9.00	1.20	9.80	14.00
	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-	-	-	-
	Heating	Min ~ Rated ~ Max	A	1.20	7.10	9.50	1.20	10.00	14.00
EER			W/W	3.20			3.05		
			(Btu/h)/W	10.93			10.41		
EER (T3)			W/W	-			-		
			(Btu/h)/W	-			-		
SEER			-	7.00			6.90		
COP			W/W	3.60			3.35		
			(Btu/h)/W	12.29			11.43		
SCOP			-	4.30			4.30		
P design C / P design H			-	5 / 3.9			6.6 / 5		
Energy Label Grade		Cooling / Heating	-	A++ / A+			A++ / A+		
Annual Energy Consumption		Cooling / Heating	kWh/year	250 / 1270			335 / 1628		
Power Supply			Ø, V, Hz	1, 220-240, 50			1, 220-240, 50		
Available Voltage Range			V	187 ~ 276			187 ~ 276		
Power Factor		Cooling / Heating	%	97 / 97			97 / 97		
Moisture Removal			l/h	1.80			2.50		
Indoor	Air Flow Rate	Cooling, Max / H / M / L	m³/min	15.5 / 14.5 / 13.0 / 10.5			18.3 / 16.1 / 13.1 / 10.5		
		Heating, Max / H / M / L	m³/min	18.5 / 16.0 / 13.5 / 11.0			19.8 / 17.6 / 14.3 / 11.0		
	Sound Pressure Level	Cooling, Max / H / M / L / SL	dB(A)	47 / 44 / 39 / 34 / 31			49 / 47 / 42 / 34 / 31		
		Heating, Max / H / M / L	dB(A)	48 / 44 / 39 / 34			50 / 47 / 42 / 34		
	Sound Power Level		dB(A)	60			65		
	Dimensions (W × H × D)	Net	mm	998 × 345 × 210			998 × 345 × 210		
		Shipping	mm	1053 × 424 × 278			1053 × 424 × 278		
	Weight	Net	kg	11.9			12.7		
		Shipping	kg	14.8			16.0		
	Exterior Color Code		-	Munsell 7.5BG 10/2 (RAL 9016)			Munsell 7.5BG 10/2 (RAL 9016)		
Outdoor	Air Flow Rate	Max	m³/min	35.0			49.0		
	Fan Motor Speed	Cooling, Min ~ Max	rpm	200 ~ 900			190 ~ 850		
		Heating, Min ~ Max	rpm	200 ~ 900			190 ~ 850		
	Sound Pressure Level	Cooling, Rated	dB(A)	53			54		
		Heating, Rated	dB(A)	55			57		
	Sound Power Level		dB(A)	65			70		
	Dimensions (W × H × D)	Net	mm	770 × 545 × 288			870 × 650 × 330		
		Shipping	mm	919 × 599 × 392			1026 × 683 × 446		
	Weight	Net	kg	34.4			46.0		
		Shipping	kg	37.0			50.0		
	Max. Fuse Size		A	15			20		
	Exterior Color Code		-	Munsell 9.54Y 8.34/1.31 (RAL 9001)			Munsell 9.54Y 8.34/1.31 (RAL 9001)		
	Operation Range	Cooling	°C DB	-15 ~ 48			-15 ~ 48		
		Heating	°C DB	-10 ~ 24			-10 ~ 24		
		Heating	°C WB	-10 ~ 18			-10 ~ 18		
Circuit Breaker			A	20			25		
Power Supply Cable			No. × mm²	3 × 1.5			3 × 2.5		
Power Supply to Unit			-	Outdoor			Outdoor		
Power and Communication Cable			No. × mm²	4 × 1			4 × 1		
Piping	Size	Liquid	mm	ø 6.35			ø 6.35		
		Gas	mm	ø 12.7			ø 15.88		
	Connections Method	Indoor / Outdoor	-	Flared / Flared			Flared / Flared		
Drain Hose Size		O.D, I.D	mm	21.5, 16.0			21.5, 16.0		
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 20			3 / 7.5 / 30		
		No Charge	m	7.5			7.5		
	Max. Elevation Difference		m	10			15		
	Piping Connection Heat Insulation		-	Both liquid and gas pipes			Both liquid and gas pipes		
Refrigerant		Type	-	R32			R32		
		Pre Charge	g	1000			1100		
		Additional Charge	g/m	20			20		
		Control	-	Electronic Expansion Valve			Electronic Expansion Valve		
		Global Warning Potential	-	675			675		
		t-CO_2 eq	-	0.675			0.743		
Defrost Method			-	Reverse Cycle			Reverse Cycle		
Tool Code (Chassis)		Indoor / Outdoor	-	SK / UL2			SK / U24A		

Note

- **–** : No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
- Exterior color code is approximate value.
- It is difficult to measure air flow rate of sleep because of small values.
- Maximum heating capacity is for heating operation without any frost.
- Fan motor speed could vary ±20 rpm according to the operating conditions.
- It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation.
- Test conditions are based on EN 14511 and EN 14825.

3. Specifications

Buyer Model / Factory Model	Set (Indoor / Outdoor)		Unit	A09FR.SSF (A09FR.NSF / A09FR.UL2) S3-W09FLR9A (S3NW09FLR9A / S3UW09FLR9A)	A12FR.SSF (A12FR.NSF / A12FR.UL2) S3-W12FLR9A (S3NW12FLR9A / S3UW12FLR9A)
Compressor	Type		-	Twin Rotary	Twin Rotary
	Model		-	DAT134MCA	DAT134MCA
	Motor Type		-	BLDC	BLDC
	Oil Type / Maker		-	POE (RN68GP) / Jx Nippon, PVE (FW68D) / IDEMITSU	POE (RN68GP) / Jx Nippon, PVE (FW68D) / IDEMITSU
	Oil Charge		cc	400	400
	O.L.P. Name		-	-	-
	Manufacturer / Country of Origin		-	LG Electronics / China	LG Electronics / China
Fan (Indoor)	Type		-	Turbo Fan	Turbo Fan
	Motor Output		W	16.7	16.7
Fan (Outdoor)	Type		-	Propeller Fan	Propeller Fan
	Motor Type		-	BLDC	BLDC
	Motor Output		W	43	43
	Motor Insulation		-	Class E	Class E
	Motor Enclosure / Ingress Protection		-	TEAO / IPX4	TEAO / IPX4
Heat Exchanger	Evaporator	Material, Tube / Fin	-	Cu / Al	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 20 x 21 x 425) x 1	(ø7 x 2 x 20 x 21 x 425) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-	-
		(ø x Row x Column x FPI x L) x Qty.	#3	-	-
		(ø x Row x Column x FPI x L) x Qty.	#4	-	-
		Corrosion Protection	-	PCM	PCM
		Fin Type	-	Slit	Slit
	Condenser	Material, Tube / Fin	-	Cu / Al	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 24 x 18 x 814) x 1	(ø7 x 2 x 24 x 18 x 814) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-	-
		Corrosion Protection	-	Gold	Gold
		Fin Type	-	Corrugate	Corrugate

Note

- – : No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
- Exterior color code is approximate value.
- It is difficult to measure air flow rate of sleep because of small values.
- Maximum heating capacity is for heating operation without any frost.
- Fan motor speed could vary ±20 rpm according to the operating conditions.
- It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation.
- Test conditions are based on EN 14511 and EN 14825.

4. Function List

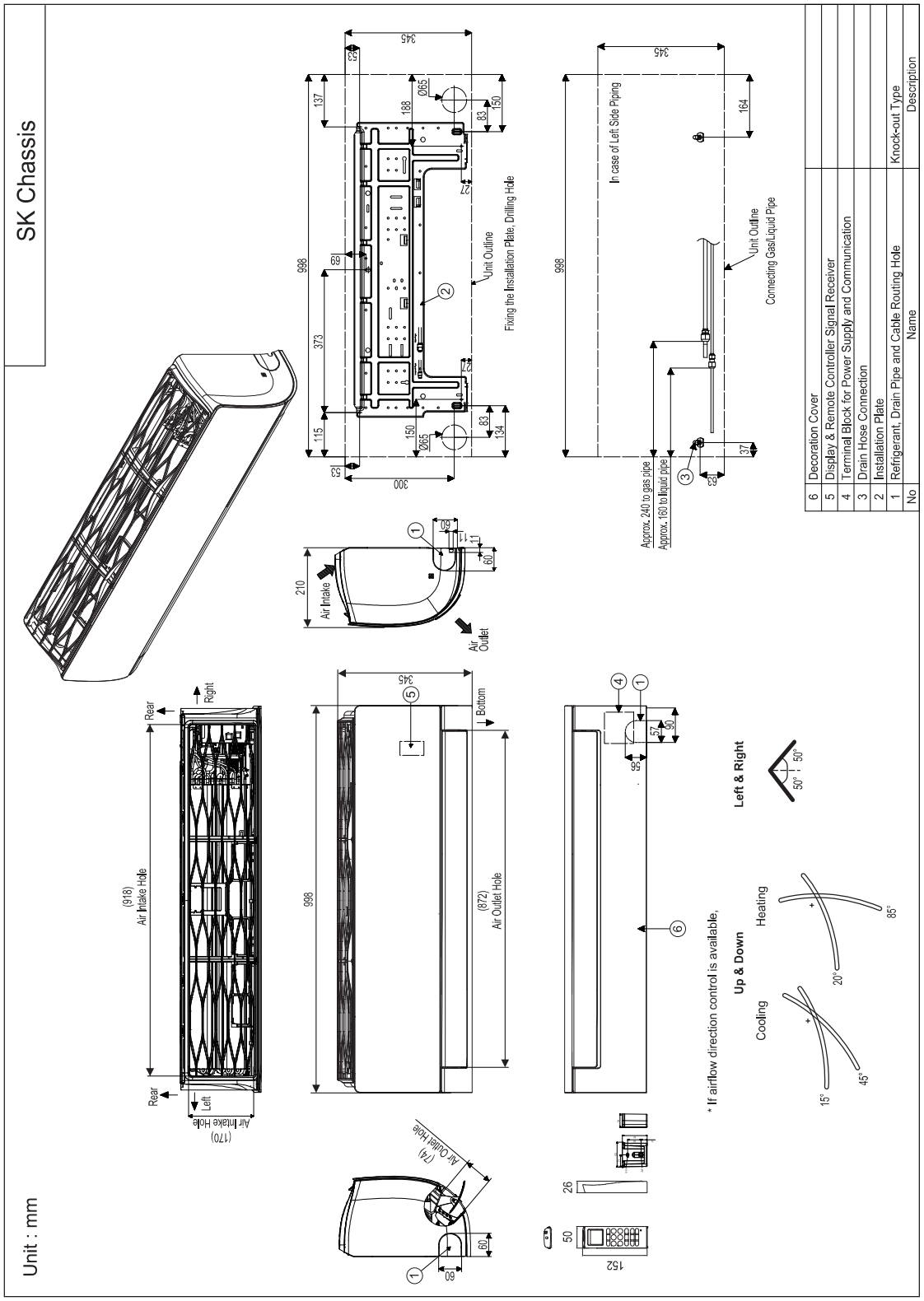
Category	Function	S09ET.SSJ S3-M09JA3FA	S12ET.SSJ S3-M12JA3FA	S18ET.SSK S3-M18KL3FA	S24ET.SSK S3-M24K23FA
Air Flow	Air Supply Outlet	1	1	1	1
	Airflow Direction Control (Left & Right)	5 Steps	5 Steps	5 Steps	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps	6 Steps	6 Steps	6 Steps
	Auto Swing (Left & Right)	○	○	○	○
	Auto Swing (Up & Down)	○	○	○	○
	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6	6 / 6 / 6	6 / 6 / 6	6 / 6 / 6
	Natural Wind (Auto Wind)	○	○	○	○
	Jet Cool / Jet Heat (Power Wind)	○ / ○	○ / ○	○ / ○	○ / ○
	Comfort Air	○	○	○	○
Air Purifying	Prefilter (Washable / Anti-Bacteria)	○	○	○	○
	Deodorizing Filter	X	X	X	X
	Micro Dust Filter	X	X	X	X
	Allergy Filter	X	X	X	X
	Plasma Air Purifier (Ionizer)	X	X	X	X
Installation	Drain Pump	X	X	X	X
Reliability	Hot Start	○	○	○	○
	Self Diagnosis	○	○	○	○
	De-ice Control (Defrost)	○	○	○	○
	Dry (Dehumidification) Operation	○	○	○	○
Convenience	Auto Changeover	○	○	○	○
	Auto Operation (Artificial Intelligence)	X	X	X	X
	Auto Cleaning (Coil Dry)	○	○	○	○
	Auto Restart Operation	○	○	○	○
	Child Lock [1]	○	○	○	○
	Forced Operation	○	○	○	○
	Group Control [1]	X	X	X	X
	Sleep Mode	7hr	7hr	7hr	7hr
	Timer 24hr (On/Off) / 7hr (Off)	○ / X	○ / X	○ / X	○ / X
	Timer (Weekly) [1]	○	○	○	○
	Two Thermistor Control [1]	○	○	○	○
	Low Ambient Operation	○	○	○	○
	Overheating Protection	○	○	○	○
	Low Heating	X	X	X	X
	Voice Control	X	X	X	X
	Smart Scan (PIR)	X	X	X	X
	LG AC Tag On (NFC)	X	X	X	X
	Outdoor Silent Mode	○	○	○	○
	Mosquito Away	X	X	X	X
	Smart Diagnosis	○	○	○	○
	Indoor Unit Display Type	Number Display	Number Display	Number Display	Number Display
	Indoor Unit Display Light	On/Off	On/Off	On/Off	On/Off
	Energy Display	○	○	○	○
Energy Saving	Energy Saving	X	X	X	X
	Energy Control	Active Energy Control	Active Energy Control	Active Energy Control	Active Energy Control
	Gen Mode	X	X	X	X
Individual Control	Wired Remote Controller (Premium) [2]	X	X	X	X
	Wired Remote Controller (Standard) [2]	PREMTB(0/B)01 / PREMTB(10/B1)0	PREMTB(0/B)01 / PREMTB(10/B1)0	PREMTB(0/B)01 / PREMTB(10/B1)0	PREMTB(0/B)01 / PREMTB(10/B1)0
	Wired Remote Controller (Simple with Mode Selection) [2]	PQRCVCL0Q(W)	PQRCVCL0Q(W)	PQRCVCL0Q(W)	PQRCVCL0Q(W)
	Wired Remote Controller (Simple without Mode Selection) [2]	PQRCHCA0Q(W)	PQRCHCA0Q(W)	PQRCHCA0Q(W)	PQRCHCA0Q(W)
	Handheld Wireless Controller (See Remote Controller Section)	AKB74955603	AKB74955603	AKB74955603	AKB74955603
	Handheld Wireless Controller Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)	18~30 °C (64~86 °F)
	Handheld Wireless Controller Setting Temperature Range (Heating)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)	16~30 °C (60~86 °F)
CAC Network Function	General Central Controller (Non LGAP)	X	X	X	X
	Network Solution (LGAP)	X	X	X	X
	Dry Contact [2]	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
	PDI (Power Distribution Indicator) [2]	X	X	X	X
	Outdoor Unit PI 485 [2]	X	X	X	X
Special Function Kit	Wi-Fi [2]	Embedded	Embedded	Embedded	Embedded
	Water Level Sensor Connection [2]	X	X	X	X
	Wind Baffle Kit [2]	X	X	X	X
	Sump Heater	X	X	X	X
	Sheath Heater [2]	X	X	X	X
	Crank Case Heater	X	X	X	X
	Smart Inverter Monitoring System (SIMs) [2]	PSWMOZ3	PSWMOZ3	PSWMOZ3	PSWMOZ3
Others	Mode Lock	Cooling Only or Heating Only	Cooling Only or Heating Only	Cooling Only or Heating Only	Cooling Only or Heating Only
	Temperature Control	Thermistor	Thermistor	Thermistor	Thermistor
	DRED (Demand Response Enabling Device)	X	X	X	X

Note

- O : Applied, X : Not applied
- Filters are optional in some specific areas.
- [1] : This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.
- [2] : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
- The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
- Some specifications may be changed without notifications due to our policy of innovation.

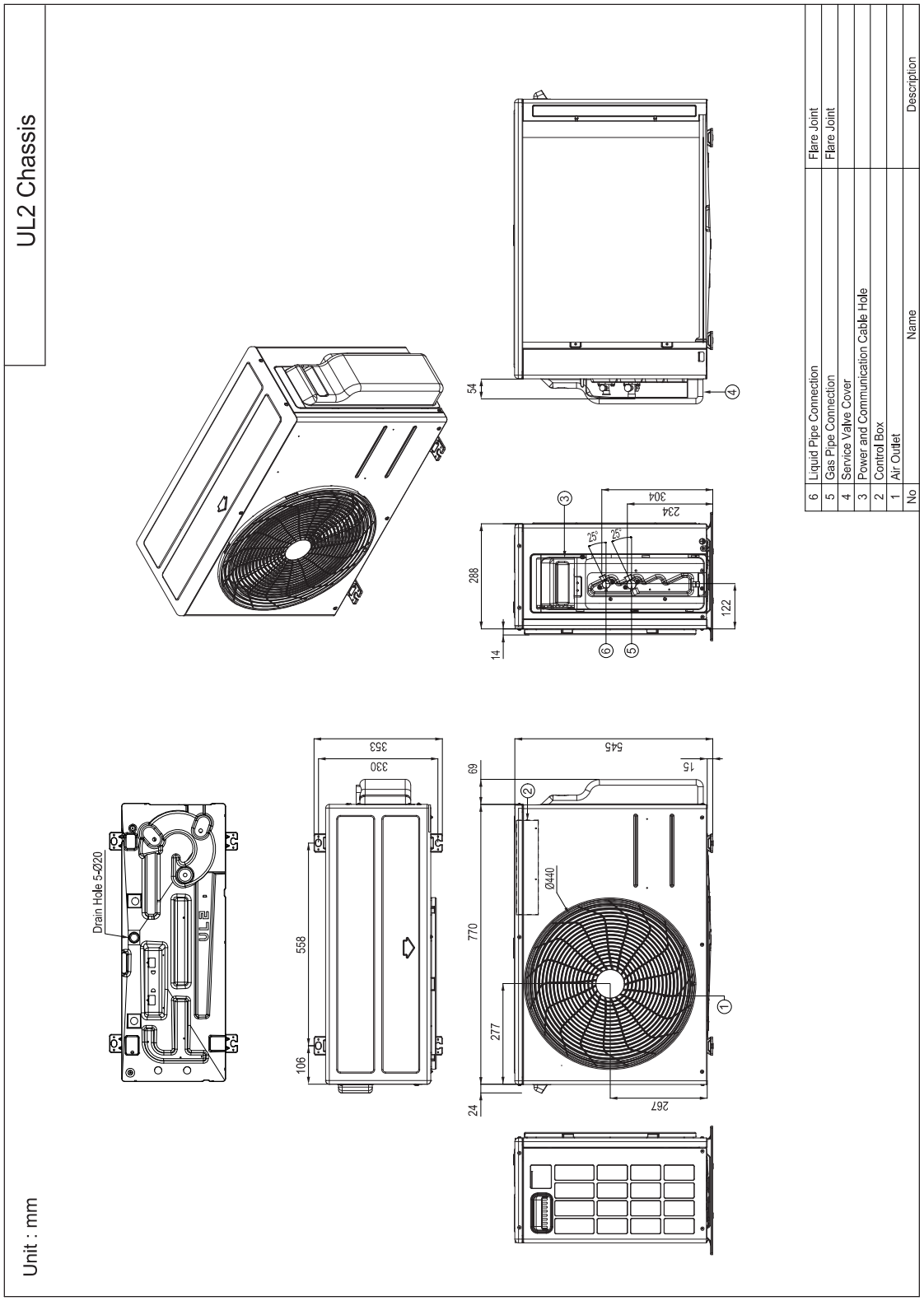
5. Dimensional Drawings

PC18SQ (S3NM18KL2FA), S18EQ (S3NW18KL3BA), SC18EQ (S3NM18KL3BA), PC24SQ (S3NM24K22FA), S24EQ (S3NW24K23BA), S18ET (S3NM18KL3FA), S24ET (S3NM24K23FA)



5. Dimensional Drawings

DC09RQ (S3UM09JL1ZA), DC12RQ (S3UM12JL1ZA), DC18RQ (S3UM18KL1ZA), PC18SQ (S3UM18KL2FA), S18EQ (S3UW18KL3BA), SC18EQ (S3UM18KL3BA), AC18BQ (S3UM18KLRZA), S18ET (S3UM18KL3FA)



No	Name	Description
6	Liquid Pipe Connection	Flare Joint
5	Gas Pipe Connection	Flare Joint
4	Service Valve Cover	
3	Power and Communication Cable Hole	
2	Control Box	
1	Air Outlet	