

Air Conditioning Technical Data

2MXS-H



- > 2MXS40H3V1B2
- > 2MXS50H3V1B2

TABLE OF CONTENTS

2MXS-H

1	Features	2
2	Specifications	3
	Technical Specifications	3
	Electrical Specifications	4
3	Electrical data	5
4	Options	6
5	Combination table	7
6	Capacity tables	9
	Capacity Table Legend	9
7	Dimensional drawings	10
8	Centre of gravity	11
9	Piping diagrams	12
10	Wiring diagrams	13
	Wiring Diagrams - Single Phase	13
11	Sound data	14
	Sound Pressure Spectrum - Cooling	14
	Sound Pressure Spectrum - Heating	15
12	Operation range	16

1 Features

- Outdoor units for multi model application.
- Up to 2 indoor units can be connected to 1 Multi outdoor unit; all indoor units are individually controllable and do not need to be installed in the same room or at the same time; they operate simultaneously within the same cooling or heating mode
- Different types of indoor units can be connected: e.g. wall mounted, ceiling mounted cassette corner, concealed ceiling unit
- The use of inverter type outdoor units results in an air conditioning system with a high energy efficiency and very low sound level
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall



Inverter

2 Specifications

2-1 Technical Specifications					2MXS40H		2MXS50H	
Capacity control	Method				Inverter controlled			
Casing	Colour				Ivory white			
Dimensions	Unit	Height	mm		550			
		Width	mm		765			
		Depth	mm		285			
	Packed unit	Height	mm		612			
		Width	mm		906			
		Depth	mm		364			
Weight	Unit		kg	38		42		
	Packed unit		kg	43		47		
Packing	Weight		kg	5				
Heat exchanger	Length		mm	805		810		
	Rows	Quantity			2			
	Fin pitch		mm	1.5				
	Stages	Quantity			24			
	Tube type			ø7 Hi-XD		ø8 Hi-XA		
	Fin	Type			WF fin			
		Treatment			Anti-corrosion treatment			
Compressor	Model				1YC23AGXD		2YC36BXD#C	
	Type				Hermetically sealed swing compressor			
	Output		W	600		1,100		
Fan	Type				Propeller fan			
	Air flow rate	Cooling	High	m³/min	36		37	
				cfm	1,271		1,306	
			Nom.	m³/min	33		34	
				cfm	1,165		1,200	
			Low	m³/min	30		34	
				cfm	1,059		1,200	
			Super low	m³/min	-			
				cfm	-			
		Heating	High	m³/min	32		34	
				cfm	1,130		1,200	
			Nom.	m³/min	32		34	
				cfm	1,130		1,200	
			Low	m³/min	32		34	
				cfm	1,130		1,200	
			Super low	m³/min	-			
				cfm	-			
Fan motor	Model				D50M-28			
	Output			W	50			
	Speed	Cooling	High	rpm	900		950	
			Nom.	rpm	840		890	
			Low	rpm	760		890	
			Super low	rpm	-			
		Heating	High	rpm	820		890	
			Nom.	rpm	820		890	
			Low	rpm	820		890	
Super low			rpm	-				
Sound power level	Cooling			dBA	62		63	
	Heating			dBA	-			
Sound pressure level	Cooling	Nom.		dBA	47		48	
	Heating	Nom.		dBA	48		50	
Operation range	Cooling	Ambien t	Min.	°CDB	10			
			Max.	°CDB	46			
	Heating	Ambien t	Min.	°CWB	-15			
			Max.	°CWB	18			

2 Specifications

2-1 Technical Specifications					2MXS40H		2MXS50H	
Refrigerant	Type				R-410A			
	Charge			kg	1.20		1.60	
				TCO ₂ eq	2.5		3.3	
	GWP				2,087.5			
Piping connections	Liquid	Quantity			2			
		OD	mm		6.35			
	Gas	Quantity			2		1	
		OD	mm		9.5			
	Drain	Quantity			1			
		ID	mm		-			
		OD	mm		16 (inner diameter of connecting hose)			
	Gas 2	Quantity			-		1	
		OD	mm		-		12.7	
	Piping length	OU - IU	Min.	m	3			
			Max.	m	20			
	Additional refrigerant charge				kg/m	0.02 (for piping length exceeding 20m)		
	Level difference	IU - OU	Max.	m	15			
		IU - IU	Max.	m	7.5			
	Heat insulation				Both liquid and gas pipes			
Total piping length		System	Actual	m	30			
Refrigerant oil	Type				FVC50K			
	Charged volume			l	0.45		0.65	

Standard Accessories : Installation manual; Quantity : 1;

Standard Accessories : Screw bag; Quantity : 1;

Standard Accessories : Drain plug; Quantity : 1;

Standard Accessories : Reducer assembly; Quantity : 1;

2-2 Electrical Specifications					2MXS40H	2MXS50H
Power supply	Name				V1	
	Phase				1~	
	Frequency		Hz		50	
	Voltage		V		220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16	
Current	Starting current	Cooling	A		4.6	6.3
		Heating	A		4.6	6.3
Current - 60Hz	Maximum fuse amps (MFA)			A	-	
Wiring connections	For power supply	Remark			3 for power supply, 4 for interunit wiring (including earth wiring)	

Notes

Contains fluorinated greenhouse gases

3 Electrical data

3 - 1 Electrical Data

2MXS40H

Model		Units				Power supply		Comp.		OFM	
Outdoor	H/P C/O	Hz	Volts	Min.	Max.	MCA	MFA	MSC	RLA	W	FLA
2MXS40H	H/P	50	220	198	242	9.7	16	4.6	4.20	40	0.17
			230	207	253			4.6	4.20		
			240	216	264			4.6	4.22		

3D063342A

SYMBOLS

MCA : Min. Circuit Amps. (A)
 MFA : Max. Fuse Amps (see note 6). (A)
 MSC : Max. current during the starting compressor. (A)
 RLA : Rated Load Amps. (A)
 OFM : Outdoor Fan Motor. (A)
 FLA : Full Load Amps. (A)
 W : Fan Motor Rated Output (W)

NOTES

1. RLA is based on the following conditions:
Cooling
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 35°CDB
2. Voltage range.
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
3. Maximum allowable voltage variation between phases is 2%.
4. MCA represents maximum input current.
MFA represents capacity which may accept MCA.
5. Select wire size based on the value of MCA.
6. MFA is used to select the circuit breaker and the ground fault circuit interrupter. (Earth leakage circuit breaker).

2MXS50H

Model		Units				Power supply		Comp.		OFM	
Outdoor	H/P C/O	Hz	Volts	Min.	Max.	MCA	MFA	MSC	RLA	W	FLA
2MXS50H	H/P	50	220	198	242	10.9	16	6.3	5.84	42	0.18
			230	207	253			6.3	5.85		
			240	216	264			6.3	5.86		

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SYMBOLS

MCA : Min. Circuit Amps. (A)
 MFA : Max. Fuse Amps (see note 6). (A)
 MSC : Max. current during the starting compressor. (A)
 RLA : Rated Load Amps. (A)
 OFM : Outdoor Fan Motor. (A)
 FLA : Full Load Amps. (A)
 W : Fan Motor Rated Output (W)

NOTES

1. RLA is based on the following conditions:
Cooling
Indoor temp.: 27°CDB/19.0°CWB
Outdoor temp.: 35°CDB
2. Voltage range.
Units are suitable for use on electrical systems where voltage supplied to unit terminal is not below or above listed range limits.
3. Maximum allowable voltage variation between phases is 2%.
4. MCA represents maximum input current.
MFA represents capacity which may accept MCA.
5. Select wire size based on the value of MCA.
6. MFA is used to select the circuit breaker and the ground fault circuit interrupter. (Earth leakage circuit breaker).

4 Options

4 - 1

Options

MXS-H

Outdoor Units

	2MXS40H	2MXS50H
Air direction adjustment grille	KPW945A4	

5

Combination table

5 - 1 Combination Table

2MXS40H

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			TOTAL CURRENT (A)			POWER FACTOR (%)	EER	ENERGY LABEL	AEC (kWh)	Seasonal data			
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					label	SEER	Pdesign	AEC
2MXS40H	1.5+1.5	1.5	1.5	1.75	3.0	3.57	0.35	0.66	0.83	1.60	3.1	3.80	94	4.55	A	330	A++	6.13	3.00	172
	1.5+2.0	1.5	2.0	1.75	3.5	3.96	0.35	0.81	0.99	1.60	3.7	4.60	94	4.32	A	405	A++	6.33	3.50	194
	1.5+2.5	1.5	2.5	1.75	4.0	4.22	0.35	1.02	1.12	1.60	4.7	5.20	94	3.92	A	510	A++	6.47	4.00	217
	1.5+3.5	1.2	2.8	1.75	4.0	4.34	0.35	0.99	1.14	1.60	4.6	5.30	94	4.04	A	495	A++	6.42	4.00	218
	2.0+2.0	2.0	2.0	1.75	4.0	4.20	0.31	1.04	1.12	1.40	4.8	5.20	94	3.85	A	520	A++	6.61	4.00	212
	2.0+2.5	1.9	2.2	1.75	4.0	4.30	0.31	1.03	1.17	1.40	4.8	5.40	94	3.88	A	515	A++	6.63	4.00	212
	2.0+3.5	1.8	2.3	1.75	4.0	4.50	0.31	1.00	1.23	1.40	4.6	5.70	94	4.00	A	500	A++	6.52	4.00	215
	2.5+2.5	2.0	2.0	1.75	4.0	4.40	0.31	1.02	1.23	1.40	4.7	5.70	94	3.92	A	510	A++	6.64	4.00	211
	2.5+3.5	1.8	2.2	1.75	4.0	4.60	0.31	0.99	1.31	1.40	4.6	6.10	94	4.04	A	495	A++	6.53	4.00	215

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			TOTAL CURRENT (A)			POWER FACTOR (%)	COP	ENERGY LABEL	Seasonal data				
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2MXS40H	1.5+1.5	1.9	1.9	1.30	3.8	4.26	0.30	0.90	1.11	1.40	4.1	5.10	95	4.22	A	A+	4.06	3.01	1038	0.57
	1.5+2.0	1.7	2.3	1.30	4.0	4.44	0.30	0.95	1.15	1.40	4.3	5.30	95	4.21	A	A+	4.10	3.03	1035	0.59
	1.5+2.5	1.6	2.6	1.30	4.2	4.58	0.30	1.02	1.22	1.40	4.7	5.60	95	4.12	A	A+	4.11	3.03	1032	0.58
	1.5+3.5	1.3	3.1	1.30	4.4	4.70	0.29	1.09	1.20	1.30	5.0	5.50	95	4.04	A	A+	4.16	3.00	1011	0.59
	2.0+2.0	2.1	2.1	1.40	4.2	4.60	0.27	1.01	1.17	1.20	4.6	5.40	95	4.16	A	A+	4.12	3.03	1029	0.58
	2.0+2.5	2.1	2.3	1.40	4.4	4.70	0.27	1.08	1.21	1.20	4.9	5.50	96	4.07	A	A+	4.13	3.03	1028	0.58
	2.0+3.5	2.0	2.4	1.40	4.4	4.70	0.26	1.06	1.19	1.20	4.8	5.40	96	4.15	A	A+	4.14	2.97	1004	0.56
	2.5+2.5	2.2	2.2	1.40	4.4	4.70	0.27	1.07	1.20	1.20	4.8	5.40	96	4.11	A	A+	4.18	3.03	1016	0.58
	2.5+3.5	2.1	2.4	1.40	4.4	4.70	0.26	1.05	1.18	1.20	4.8	5.30	96	4.19	A	A+	4.13	2.96	1003	0.56

NOTES - ANMERKUNGEN - ΣΗΜΕΙΩΣΕΙΣ - NOTAS - REMARQUES - NOTE - OPMERKINGEN - ПРИМЕЧАНИЯ - NOTLAR

- Cooling capacity is based on 27°CDB/19°CWB (Indoor temperature), 35°CDB (Outdoor temperature).
Heating capacity is based on 20°CDB (Indoor temperature), 7°CDB/6°CWB (Outdoor temperature).
Kühlleistungen basieren auf 27 °C TK/19 °C FK (Innen Temperatur); 35 °C TK (Außen Temperatur)
Heizleistungen basieren auf 20 °C TK (Innen Temperatur); 7 °C TK/6 °C FK (Außen Temperatur)
Η ψυκτική απόδοση βασίζεται σε 27°CDB / 19°CWB (θερμοκρασία εσωτερικού χώρου), 35°CDB (εξωτερική θερμοκρασία).
Η απόδοση θέρμανσης βασίζεται σε 20°CDB (θερμοκρασία εσωτερικού χώρου), 7°CDB/6°CWB (εξωτερική θερμοκρασία).
Capacidad de refrigeración basada en 27 °CDB/19 °CWB (temperatura interior), 35 °CDB (temperatura exterior).
Capacidad de calefacción basada en 20 °CDB (temperatura interior), 7 °CDB/6 °CWB (temperatura exterior).
La puissance frigorifique est basée sur les conditions suivantes : 27 °CDB/19 °CWB (température intérieure), 35 °CDB (température extérieure).
La puissance calorifique est basée sur les conditions suivantes : 20 °CDB (température intérieure), 7 °CDB/6 °CWB (température extérieure).
La capacità di raffreddamento si basa su 27°CDB/19°CWB (temperatura interna), 35°CDB (temperatura esterna).
La capacità di riscaldamento si basa su 20°CDB (temperatura interna), 7°CDB/6°CWB (temperatura esterna).
Het koelvermogen is gebaseerd op 27°C DB/19°C NB (binnentemperatuur), 35°C DB (buitentemperatuur).
Het verwarmingsvermogen is gebaseerd op 20°C D (binnentemperatuur), 7°C DB/6°C NB (buitentemperatuur).
Холодопроизводительность при 27°C сух.т./19°C вл.т. (температура в помещении), 35°C сух.т. (температура наружного воздуха).
Теплопроизводительность при 20°C сух.т. (температура в помещении), 7°C сух.т./6°C вл.т. (температура наружного воздуха).
Soğutma kapasitesi şu koşullara dayalıdır: 27°C KT/19°C YT'ye (iç ortam sıcaklığı), 35°C KT (Dış ortam sıcaklığı).
Isıtma kapasitesi şu koşullara dayalıdır: 20°C KT (iç ortam sıcaklığı), 7°C KT/6°C YT (Dış ortam sıcaklığı).
- The total ability of connected a indoor unit is up to 6.0kW.
Die Gesamtleistungsfähigkeit der angeschlossenen Innengeräte beträgt bis zu 6 kW.
Η συνολική ικανότητα μίας συνδεδεμένης εσωτερικής μονάδας είναι μέχρι 6,0kW.
La capacidad total de una unidad interior conectada es de hasta 6,0 kW.
La capacité totale d'une unité intérieure connectée est de 6,0 kW maximum.
La capacità totale di un'unità interna collegata raggiunge i 6,0kW.
Het totaal vermogen van een aangesloten binnenunit is tot 6,0 kW.
Общая мощность подключенного внутреннего блока – до 6,0 кВт.
Bağlı iç ünitenin toplam kapasitesi maksimum 6,0kW'dır.
- It is impossible to connect the indoor unit for one room only.
Es ist nicht möglich, das Innengerät für nur einen Raum anzuschließen.
Είναι αδύνατη η σύνδεση της εσωτερικής μονάδας μόνο για ένα δωμάτιο.
Es imposible conectar la unidad interior para una sola habitación.
Il est impossible de connecter l'unité intérieure pour une seule pièce.
È impossibile collegare l'unità interna per un solo locale.
Het is niet mogelijk om alleen een binnenunit voor één vertrek aan te sluiten.
Невозможно подключить внутренний блок только для одной комнаты.
İç ünitenin yalnızca tek bir oda için bağlanmıstı mümkün değildir.
- The above is the value for connecting with the following indoor units.
1,5kW: wall mounted CTXS-K series; 2,0, 2,5, 3,5kW: wall mounted FTXS-K series
Der obige Wert gilt für den Anschluss folgender Innengeräte.
1,5 kW: Wandgerät Baureihe CTXS-K; 2,0, 2,5, 3,5 kW: Wandgerät Baureihe FTXS-K
Η παραπάνω είναι τιμή για σύνδεση με τις παρακάτω εσωτερικές μονάδες.
1,5kW: επίτοιχη σειρά CTXS-K 2,0, 2,5, 3,5kW: επίτοιχη σειρά FTXS-K
Arriba aparece el valor de conexión para las siguientes unidades interiores
1,5 kW: serie CTXS-K montada en pared; 2,0, 2,5, 3,5 kW: serie FTXS-K montada en pared
La valeur ci-avant est la valeur pour la connexion aux unités intérieures suivantes :
1,5 kW : unités murales série CTXS-K ; 2,0 / 2,5 / 3,5 kW : unités murales série FTXS-K
Sopra è mostrato il valore per il collegamento alle seguenti unità interne.
1,5kW: serie CTXS-K a parete; 2,0, 2,5, 3,5kW: serie FTXS-K a parete
De bovenstaande waarde is de waarde voor aansluiting met de volgende binnenunits.
1,5 kW: muurmodelen CTXS-K-serie, 2,0/ 2,5/ 3,5 kW: muurmodelen FTXS-K-serie
Выше приведено значение для соединения со следующими внутренними блоками.
1,5 кВт: настенный блок серии CTXS-K; 2,0, 2,5, 3,5 кВт: настенный блок серии FTXS-K
Aşağıdaki iç ünitelere bağlantı için geçerli veriler yukarıda verilmiştir.
1,5kW: duvar tipi CTXS-K serisi; 2,0, 2,5, 3,5kW: duvar tipi FTXS-K serisi

5 Combination table

5 - 1 Combination Table

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2MXS50H

COOLING

OUTDOOR UNIT	INDOOR UNIT	COOLING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			TOTAL CURRENT (A)			POWER FACTOR (%)	EER	ENERGY LABEL	AEC (kWh)	Seasonal data			
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.					label	SEER	Pdesign	AEC
2MXS50H	1.5+1.5	1.50	1.50	1.88	3.00	3.15	0.33	0.55	0.58	1.60	2.60	2.80	91	5.45	A	275	A++	6.42	3.00	164
	1.5+2.0	1.50	2.00	1.88	3.50	3.73	0.32	0.67	0.75	1.50	3.20	3.60	91	5.22	A	335	A++	6.74	3.50	182
	1.5+2.5	1.50	2.50	1.88	4.00	4.23	0.32	0.87	0.97	1.50	4.20	4.60	91	4.60	A	435	A++	6.68	4.00	210
	1.5+3.5	1.50	3.50	1.88	5.00	5.00	0.32	1.35	1.35	1.50	6.50	6.50	91	3.70	A	675	A++	6.43	5.00	273
	1.5+4.2	1.32	3.68	1.95	5.00	5.37	0.34	1.35	1.67	1.60	6.50	8.00	91	3.70	A	675	A++	6.46	5.00	271
	1.5+5.0	1.15	3.85	1.95	5.00	5.50	0.34	1.35	1.81	1.60	6.50	8.60	91	3.70	A	675	A++	6.45	5.00	272
	2.0+2.0	2.00	2.00	1.95	4.00	5.00	0.34	0.87	1.36	1.60	4.20	6.50	91	4.60	A	435	A++	6.73	4.00	208
	2.0+2.5	2.00	2.50	1.95	4.50	5.10	0.34	1.07	1.45	1.60	5.10	6.90	91	4.21	A	535	A++	6.70	4.50	235
	2.0+3.5	1.82	3.18	1.95	5.00	5.40	0.34	1.35	1.62	1.60	6.50	7.70	91	3.70	A	675	A++	6.50	5.00	270
	2.0+4.2	1.61	3.39	1.95	5.00	5.50	0.34	1.34	1.73	1.60	6.40	8.30	91	3.73	A	670	A++	6.53	5.00	269
	2.0+5.0	1.43	3.57	1.95	5.00	5.50	0.34	1.31	1.71	1.60	6.30	8.20	91	3.82	A	655	A++	6.51	5.00	269
	2.5+2.5	2.50	2.50	1.95	5.00	5.30	0.34	1.38	1.61	1.60	6.60	7.70	91	3.62	A	690	A++	6.61	5.00	265
	2.5+3.5	2.08	2.92	1.95	5.00	5.40	0.34	1.34	1.61	1.60	6.40	7.70	91	3.73	A	670	A++	6.52	5.00	269
	2.5+4.2	1.87	3.13	1.95	5.00	5.50	0.34	1.33	1.72	1.60	6.40	8.20	91	3.76	A	665	A++	6.53	5.00	268
	2.5+5.0	1.67	3.33	1.95	5.00	5.50	0.34	1.30	1.70	1.60	6.20	8.10	91	3.85	A	650	A++	6.53	5.00	269
	3.5+3.5	2.50	2.50	1.98	5.00	5.40	0.34	1.29	1.55	1.60	6.20	7.40	91	3.88	A	645	A++	6.44	5.00	272
	3.5+4.2	2.27	2.73	1.98	5.00	5.50	0.34	1.28	1.65	1.60	6.10	7.90	91	3.91	A	640	A++	6.45	5.00	272
	3.5+5.0	2.06	2.94	1.98	5.00	5.50	0.34	1.27	1.62	1.60	6.10	7.70	91	3.94	A	635	A++	6.44	5.00	272
	4.2+4.2	2.50	2.50	1.98	5.00	5.50	0.34	1.27	1.62	1.60	6.10	7.70	91	3.94	A	635	A++	6.47	5.00	271

HEATING

OUTDOOR UNIT	INDOOR UNIT	HEATING CAPACITY (kW)		TOTAL CAPACITY (kW)			POWER INPUT COOLING (kW)			TOTAL CURRENT (A)			POWER FACTOR (%)	COP	ENERGY LABEL	Seasonal data				
		A ROOM	B ROOM	Min.	Nom.	Max.	Min.	Nom.	Max.	Min.	Nom.	Max.				label	SCOP	Pdesign	AEC	Back-up heater capacity at -10°C
2MXS50H	1.5+1.5	1.99	1.99	1.17	3.97	4.54	0.22	0.95	1.20	1.1	4.5	5.7	91	4.18	A	A	3.95	3.3	1169	0.64
	1.5+2.0	1.9	2.53	1.17	4.43	4.89	0.22	1.08	1.29	1.1	5.2	6.2	91	4.10	A	A	3.97	3.32	1172	0.64
	1.5+2.5	1.81	3.02	1.17	4.83	5.19	0.23	1.16	1.39	1.1	5.5	6.6	91	4.16	A	A	3.98	3.88	1364	0.75
	1.5+3.5	1.64	3.82	1.17	5.46	5.7	0.23	1.39	1.60	1.1	6.6	7.6	91	3.93	A	A+	4.09	4.25	1454	0.81
	1.5+4.2	1.5	4.2	1.17	5.7	5.96	0.24	1.41	1.53	1.1	6.7	7.3	91	4.04	A	A+	4.06	4.39	1515	0.84
	1.5+5.0	1.32	4.38	1.17	5.7	6.16	0.24	1.44	1.62	1.1	6.9	7.7	91	3.96	A	A+	4.04	4.37	1514	0.83
	2.0+2.0	2.65	2.65	1.18	5.3	5.7	0.23	1.34	1.51	1.1	6.4	7.2	91	3.96	A	A	3.99	3.89	1367	0.75
	2.0+2.5	2.44	3.06	1.18	5.5	5.8	0.23	1.37	1.52	1.1	6.5	7.3	91	4.01	A	A+	4	3.9	1365	0.75
	2.0+3.5	2.04	3.56	1.24	5.6	5.9	0.24	1.39	1.55	1.1	6.6	7.4	91	4.03	A	A+	4.12	4.27	1453	0.81
	2.0+4.2	1.84	3.86	1.25	5.7	6	0.25	1.35	1.50	1.2	6.5	7.2	91	4.22	A	A+	4.09	4.41	1509	0.86
	2.0+5.0	1.63	4.07	1.29	5.7	6.2	0.25	1.38	1.55	1.2	6.6	7.4	91	4.13	A	A+	4.07	4.39	1510	0.86
	2.5+2.5	2.8	2.8	1.18	5.6	5.8	0.23	1.42	1.52	1.1	6.8	7.3	91	3.94	A	A+	4	4.19	1466	0.8
	2.5+3.5	2.38	3.32	1.24	5.7	6	0.25	1.41	1.58	1.2	6.7	7.5	91	4.04	A	A+	4.1	4.41	1507	0.86
	2.5+4.2	2.13	3.57	1.25	5.7	6.1	0.25	1.36	1.51	1.2	6.5	7.2	91	4.19	A	A+	4.11	4.42	1506	0.86
	2.5+5.0	1.9	3.8	1.35	5.7	6.3	0.26	1.35	1.56	1.2	6.5	7.5	91	4.22	A	A+	4.09	4.4	1508	0.86
	3.5+3.5	2.85	2.85	1.3	5.7	6.1	0.25	1.46	1.63	1.2	7	7.8	91	3.90	A	A+	4.3	4.5	1467	0.87
	3.5+4.2	2.59	3.11	1.31	5.7	6.2	0.26	1.38	1.51	1.2	6.6	7.2	91	4.13	A	A+	4.28	4.51	1476	0.87
	3.5+5.0	2.35	3.35	1.35	5.7	6.4	0.27	1.38	1.56	1.3	6.6	7.5	91	4.13	A	A+	4.21	4.49	1493	0.87
	4.2+4.2	2.85	2.85	1.32	5.7	6.3	0.23	1.31	1.50	1.1	6.3	7.2	91	4.35	A	A+	4.29	4.52	1475	0.88

NOTES - ANMERKUNGEN - ΣΗΜΕΙΩΣΕΙΣ - NOTAS - REMARQUES - NOTE - OPMERKINGEN - ПРИМЕЧАНИЯ - NOTLAR

- Cooling capacity is based on 27°C DB/19°C WB (Indoor temperature), 35°C DB (Outdoor temperature).
 Heating capacity is based on 20°C DB (Indoor temperature), 7°C DB/6°C WB (Outdoor temperature).
 Kühlleistungen basieren auf 27 °C TK/19 °C FK (Innen temperatur); 35 °C TK (Außen temperatur).
 Heizleistungen basieren auf 20 °C TK (Innen temperatur); 7 °C TK/6 °C FK (Außen temperatur).
 Η ψυκτική απόδοση βασίζεται σε 27°C DB / 19°C WB (θερμοκρασία εσωτερικού χώρου), 35°C DB (εξωτερική θερμοκρασία).
 Η απόδοση θέρμανσης βασίζεται σε 20°C DB (θερμοκρασία εσωτερικού χώρου), 7°C DB/6°C WB (εξωτερική θερμοκρασία).
 Capacidad de refrigeración basada en 27 °C BS/19 °C BH (temperatura interior), 35 °C BS (temperatura exterior).
 Capacidad de calefacción basada en 20 °C BS (temperatura interior), 7 °C BS/6 °C BH (temperatura exterior).
 La puissance frigorifique est basée sur les conditions suivantes : 27 °C BS/19 °C BH (température intérieure), 35 °C BS (température extérieure).
 La puissance calorifique est basée sur les conditions suivantes : 20 °C BS (température intérieure), 7 °C BS/6 °C BH (température extérieure).
 La capacità di raffreddamento si basa su 27°C BS/19°C BU (temperatura interna), 35°C BS (temperatura esterna).
 La capacità di riscaldamento si basa su 20°C BS (temperatura interna), 7°C BS/6°C BU (temperatura esterna).
 Het koelvermogen is gebaseerd op 27°C DB/19°C NB (binnentemperatuur), 35°C DB (buitentemperatuur).
 Het verwarmingsvermogen is gebaseerd op 20°C D (binnentemperatuur), 7°C DB/6°C NB (buitentemperatuur).
 Холодопроизводительность при 27°C сух.т./19°C вл.т. (температура в помещении), 35°C сух.т. (температура наружного воздуха).
 Теплопроизводительность при 20°C сух.т. (температура в помещении), 7°C сух.т./6°C вл.т. (температура наружного воздуха).
 Soğutma kapasitesi şu koşullara dayalıdır: 27°C KT/19°C YT'ye (İç ortam sıcaklığı), 35°C KT (Dış ortam sıcaklığı).
 Isıtma kapasitesi şu koşullara dayalıdır: 20°C KT (İç ortam sıcaklığı), 7°C KT/6°C YT (Dış ortam sıcaklığı).
- The total ability of connected a indoor unit is up to 8.5 kW.
 Die Gesamtleistungsfähigkeit der angeschlossenen Innengeräte beträgt bis zu 8,5 kW.
 Η συνολική ικανότητα μιας συνδεδεμένης εσωτερικής μονάδας είναι μέχρι 8,5 kW.
 La capacidad total de una unidad interior conectada es de hasta 8,5 kW.
 La capacité totale d'une unité intérieure connectée est de 8,5 kW maximum.
 La capacità totale di un'unità interna collegata raggiunge i 8,5 kW.
 Het totaal vermogen van een aangesloten binnenunit is tot 8,5 kW.
 Общая мощность подключенного внутреннего блока – до 8,5 кВт.
 Bağlı iç ünitenin toplam kapasitesi maksimum 8,5 kW'dır.
- It is impossible to connect the indoor unit for one room only.
 Es ist nicht möglich, das Innengerät für nur einen Raum anzuschließen.
 Είναι αδύνατο η σύνδεση της εσωτερικής μονάδας μόνο για ένα δωμάτιο.
 Es imposible conectar la unidad interior para una sala habitación.
 Il est impossible de connecter l'unité intérieure pour une seule pièce.
 È impossibile collegare l'unità interna per un solo locale.
 Het is niet mogelijk om alleen een binnenunit voor één vertrek aan te sluiten.
 Невозможно подключить внутренний блок только для одной комнаты.
 İç ünitenin yalnızca tek bir oda için bağlanması mümkün değildir.
- The above is the value for connecting with the following indoor units.
 1.5kW: wall mounted CTXS-K series; 2.0, 2.5, 3.5, 4.2, 5.0kW: wall mounted FTXS-K series
 Der obige Wert gilt für den Anschluss folgender Innengeräte.
 1.5kW: Wandgerät Baureihe CTXS-K; 2.0, 2.5, 3.5, 4.2, 5.0 kW: Wandgerät Baureihe FTXS-K
 Η παραπάνω είναι τιμή για σύνδεση με τις παρακάτω εσωτερικές μονάδες.
 1.5kW: επιτοίχιη σειρά CTXS-K 2.0, 2.5, 3.5, 4.2, 5.0kW: επιτοίχιη σειρά FTXS-K
 Ariba aparece el valor de conexión para las siguientes unidades interiores
 1.5 kW: serie CTXS-K montada en pared; 2.0, 2.5, 3.5, 4.2, 5.0 kW: serie FTXS-K montada en pared
 La valeur ci-avant est la valeur pour la connexion aux unités intérieures suivantes :
 1.5 kW : unités murales série CTXS-K ; 2.0 / 2.5 / 3.5 / 4.2 / 5.0 kW : unités murales série FTXS-K
 Sopra è mostrato il valore per il collegamento alle seguenti unità interne.
 1.5kW: serie CTXS-K a parete; 2.0, 2.5, 3.5, 4.2, 5.0kW: serie FTXS-K a parete
 De bovenstaande waarde is de waarde voor aansluiting met de volgende binnenunits.
 1.5 kW: muurmodelen CTXS-K-serie; 2.0 / 2.5 / 3.5 / 4.2 / 5.0 kW: muurmodelen FTXS-K-serie
 Выше приведено значение для соединения со следующими внутренними блоками.
 1.5 кВт: настенный блок серии CTXS-K; 2.0, 2.5, 3.5, 4.2, 5.0 кВт: настенный блок серии FTXS-K
 Aşağıdaki iç ünitelere bağlantı için geçerli veriler yukarıda verilmiştir.
 1.5kW: duvar tipi CTXS-K serisi; 2.0, 2.5, 3.5, 4.2, 5.0 kW: duvar tipi FTXS-K serisi

8

6 Capacity tables

6 - 1 Capacity Table Legend

In order to fulfill more your requirements on quick access of data in the format you require, we have developed a tool to consult capacity tables.

Below you can find the link to the capacity table database and an overview of all the tools we have, to help you select the correct product:

- Capacity table database: makes you find back and export quickly the capacity information you are looking for based upon unit model, refrigerant temperature and connection ratio.

→ webtool.daikin.eu

- Selection software: allows you to make equipment selections for Split.

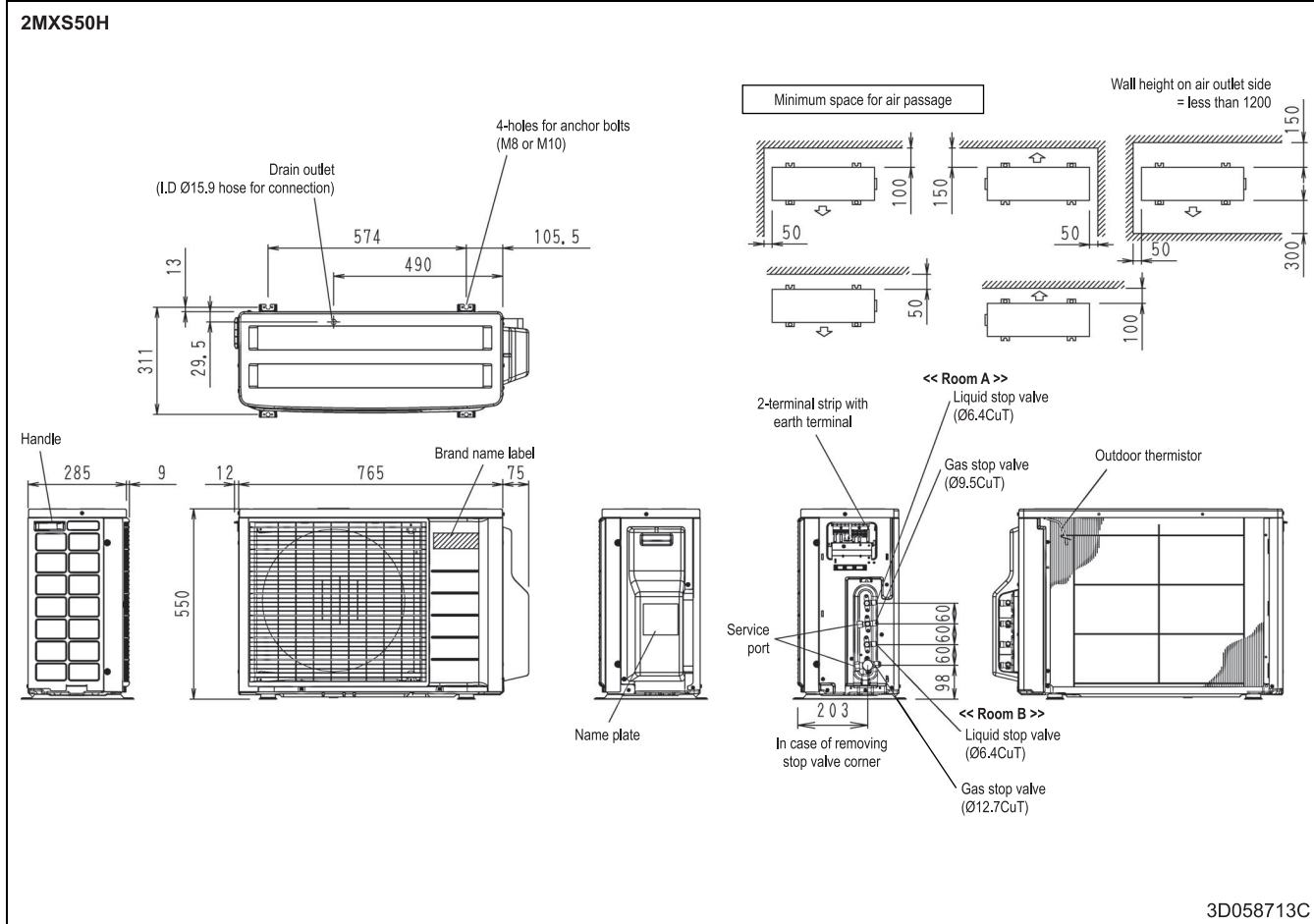
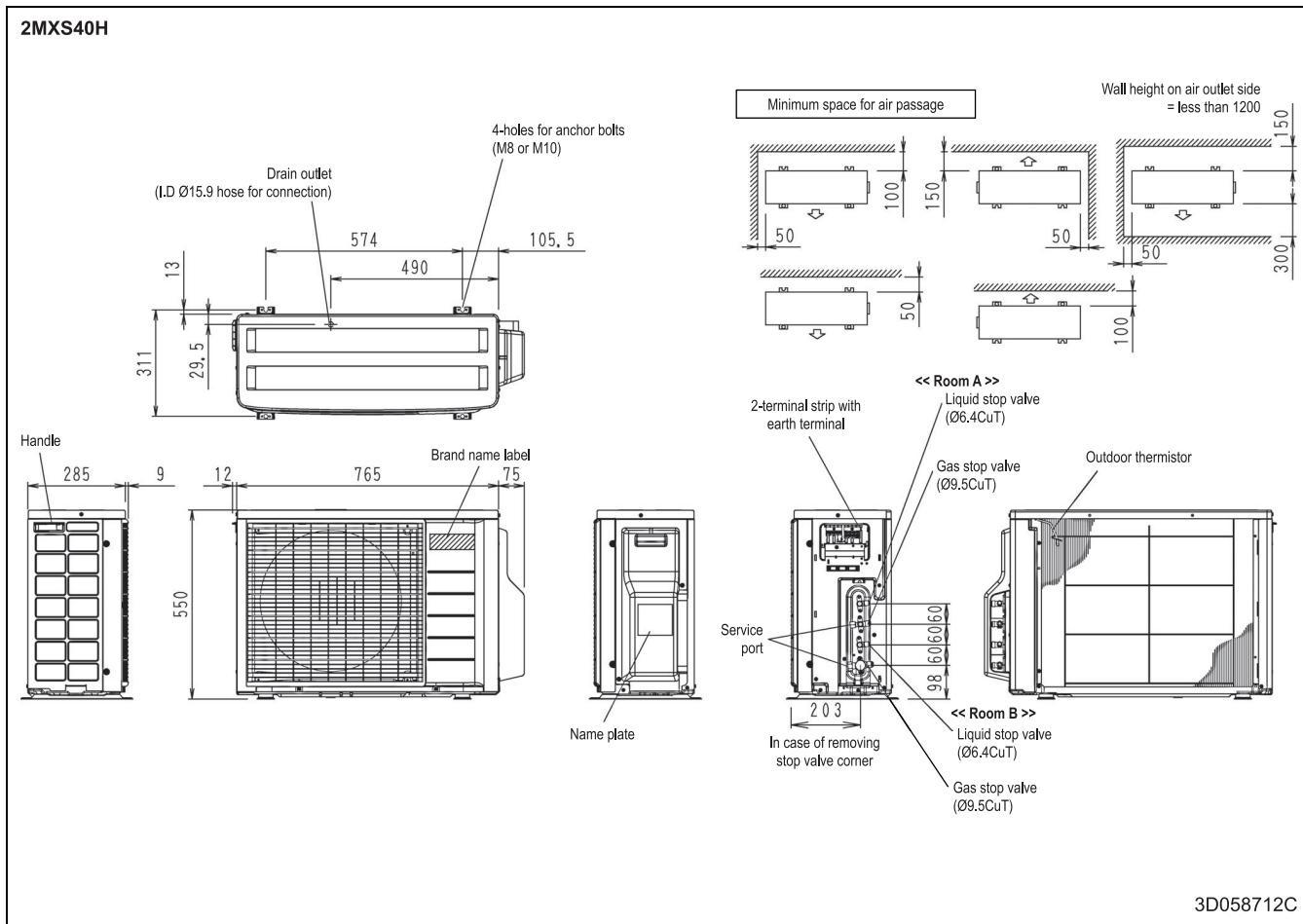
→ my.daikin.eu



7 Dimensional drawings

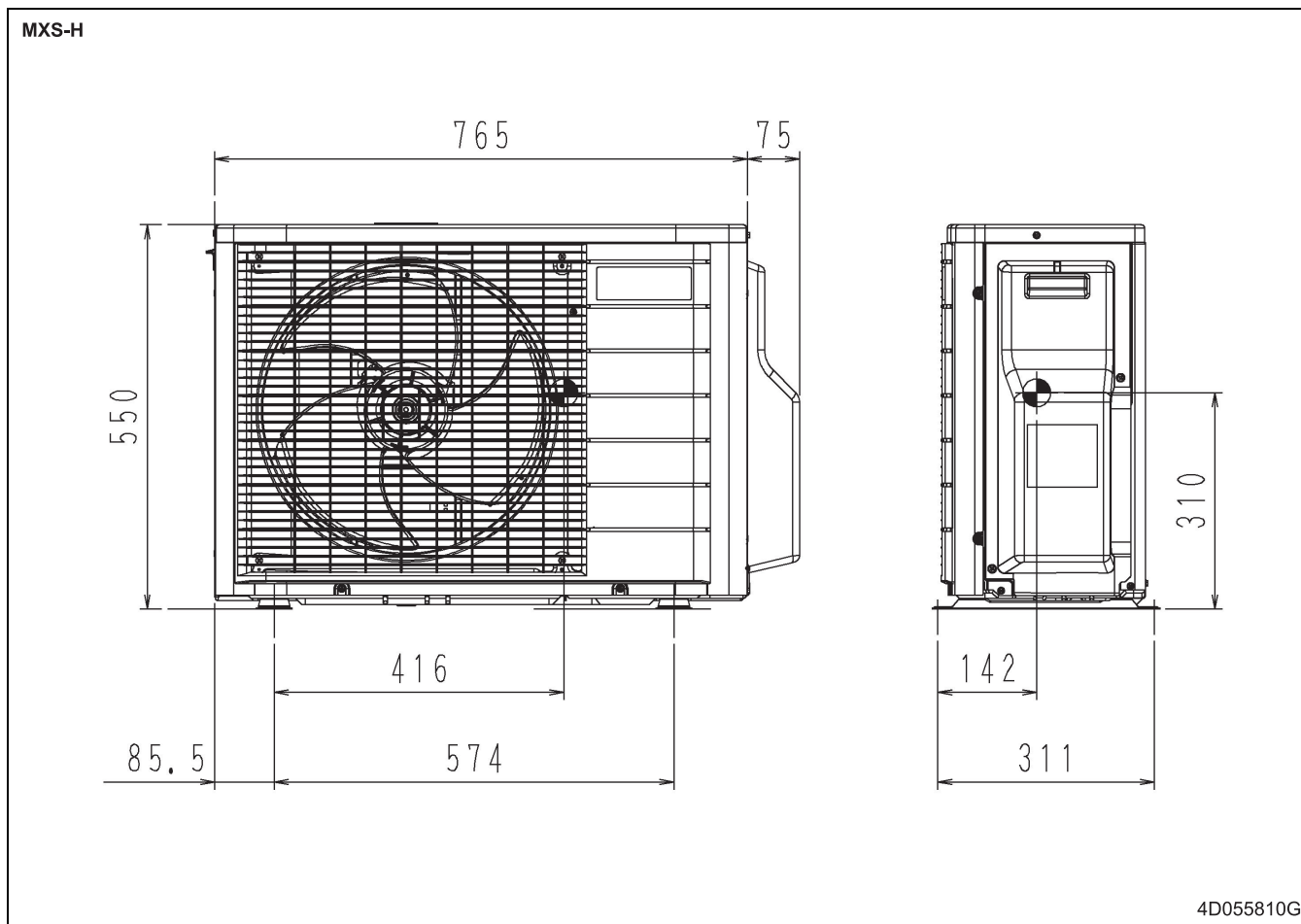
7 - 1 Dimensional Drawings

7



8 Centre of gravity

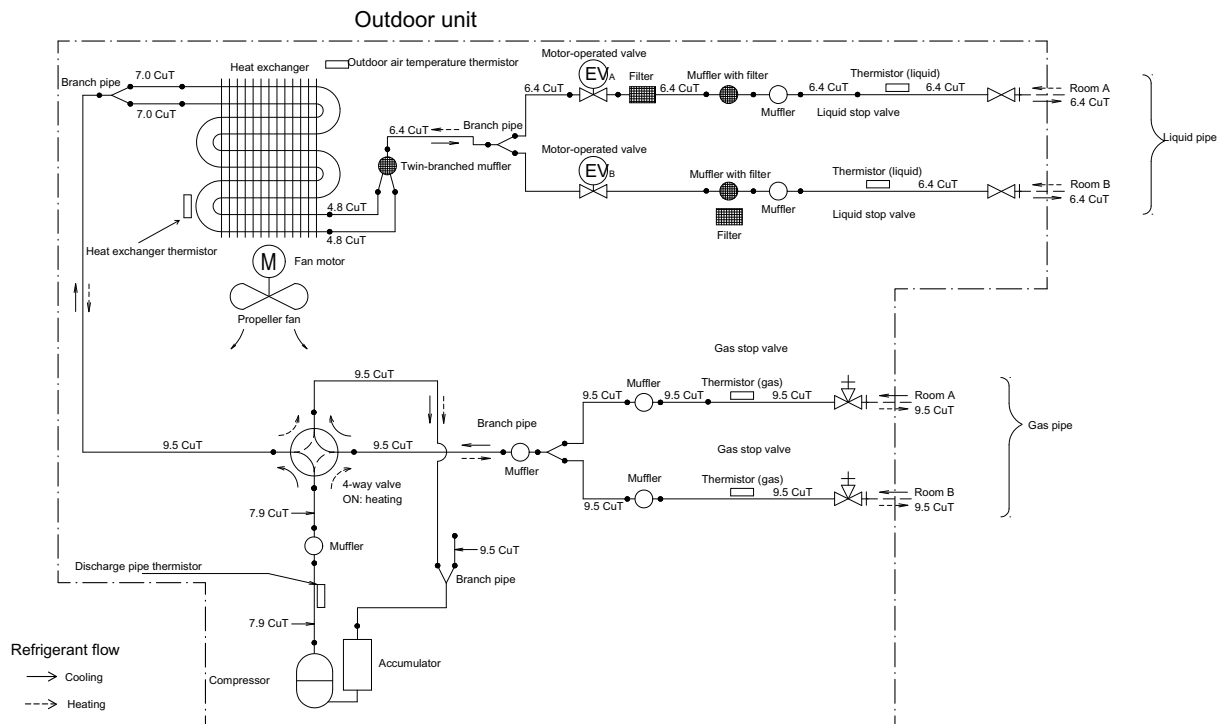
8 - 1 Centre of Gravity



9 Piping diagrams

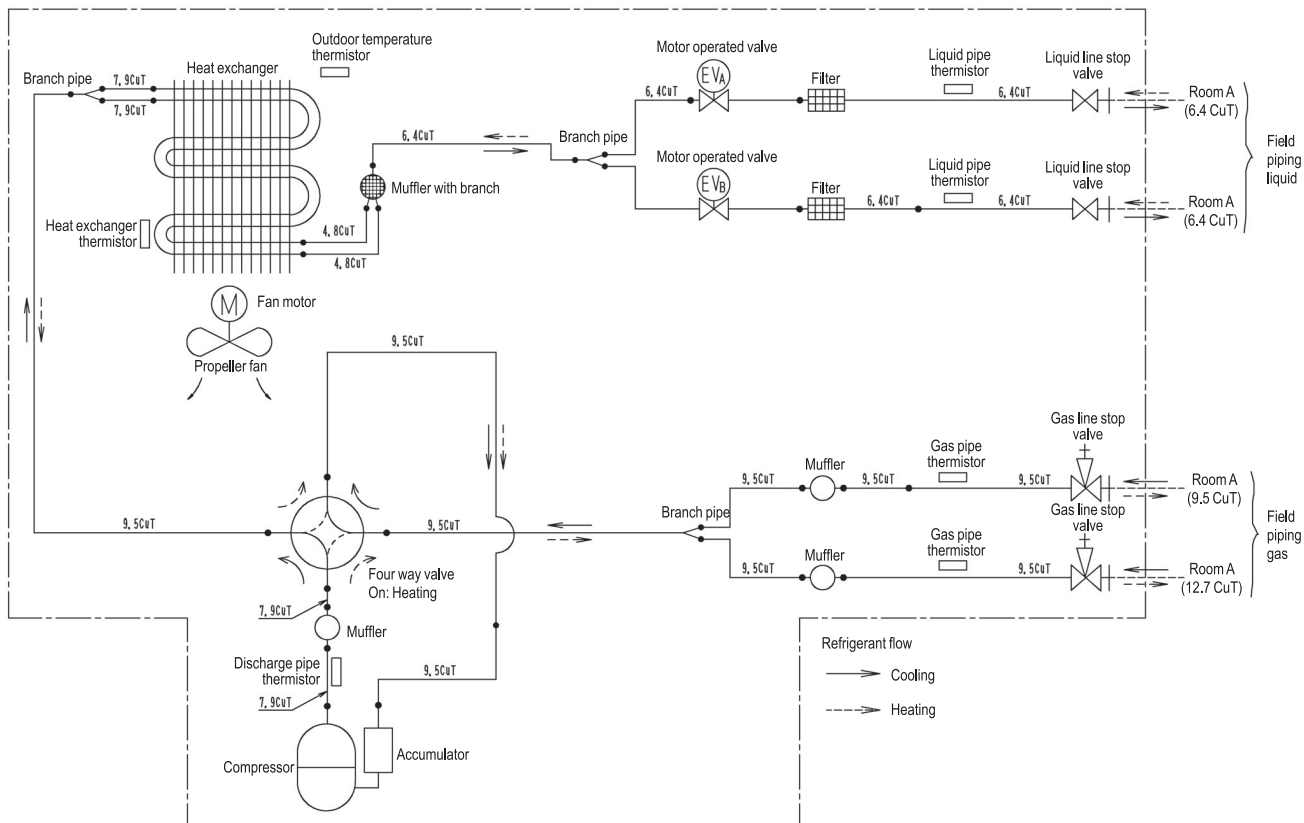
9 - 1 Piping Diagrams

2MXS40H



3D095477A

2MXS50H



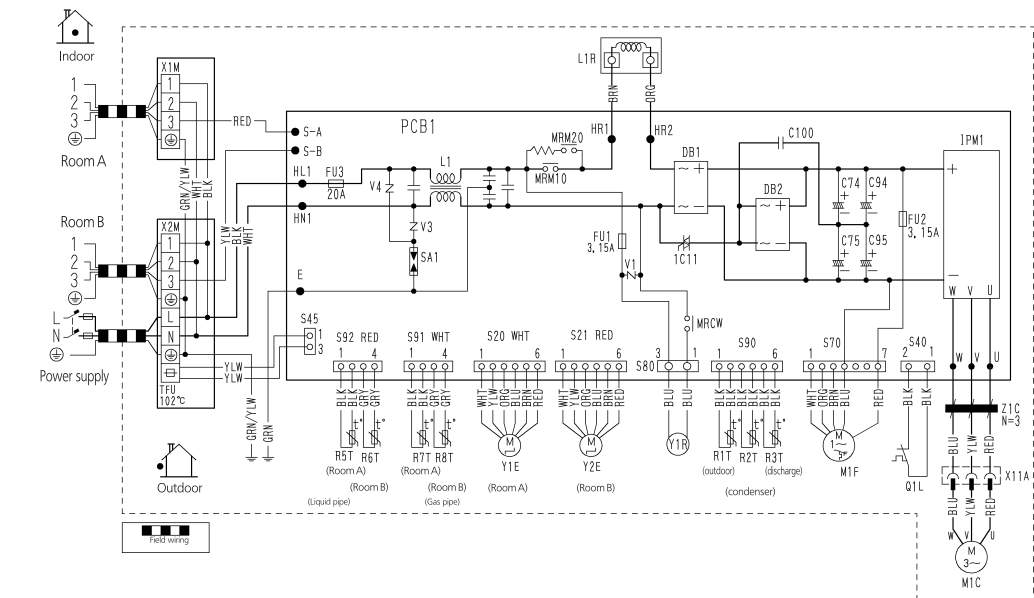
3D057467F

10 Wiring diagrams

10 - 1 Wiring Diagrams - Single Phase

10

2MXS40H



C74, C75, C94
C95, C100
DB1, DB2
FU1, FU2, FU3
IC11
IPM1
L
L1
L1R
M1C

M1F : Fan motor
MRCW, MRM10, MRM20 : Magnetic relay
N : Neutral
PCB1 : Printed circuit board
Q1L : Overload protector
R1T-R8T : Thermistor
SA1 : Surge arrester
TFU : Thermal fuse

V1, V3, V4 : Varistor
X1M, X2M : Terminal strip
Y1E, Y2E : Electronic expansion valve coil
Y1R : Reversing solenoid valve coil
Z1C : Ferrite core
⊕ : Protective earth
S20, S21, S40, S70, S80, S45, S90, S91, S92, X11A : Connector

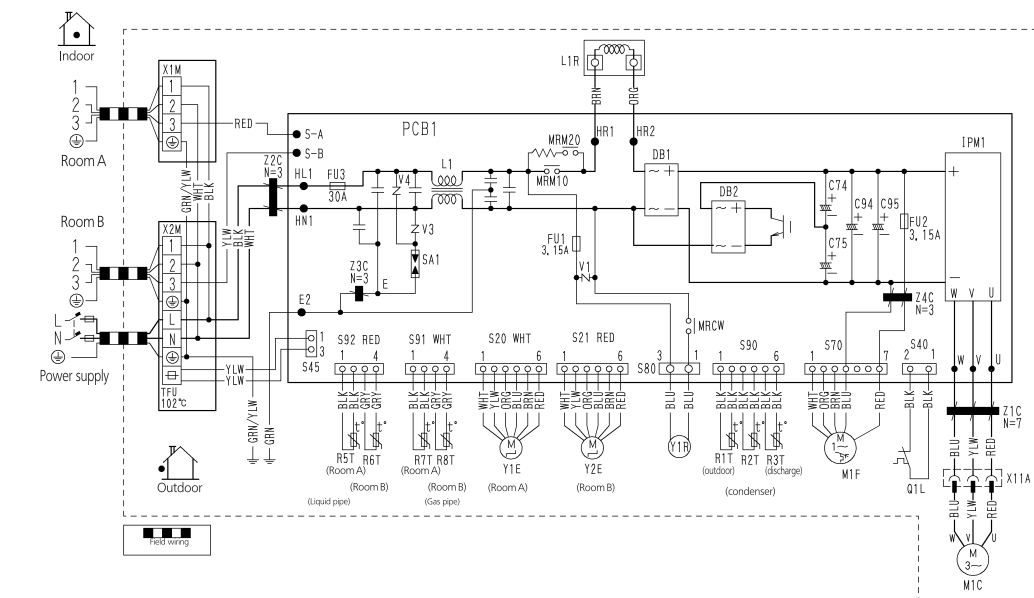
BLK : Black
BLU : Blue
BRN : Brown
GRY : Grey
ORG : Orange
RED : Red
WHT : White
YLW : Yellow
GRN : Green

Notes:

1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. The electric wiring diagram label is 3P189996-1.

3D055486E

2MXS50H



C74, C75, C94
C95
DB1, DB2
FU1, FU2, FU3
IPM1
L
L1
L1R
M1C

M1F : Fan motor
MRCW, MRM10, MRM20 : Magnetic relay
N : Neutral
PCB1 : Printed circuit board
Q1L : Overload protector
R1T-R8T : Thermistor
SA1 : Surge arrester
TFU : Thermal fuse

V1, V3, V4 : Varistor
X1M, X2M : Terminal strip
Y1E, Y2E : Electronic expansion valve coil
Y1R : Reversing solenoid valve coil
Z1C, Z2C, Z3C, Z4C : Ferrite core
⊕ : Protective earth
S20, S21, S40, S70, S80, S45, S90, S91, S92, X11A : Connector

BLK : Black
BLU : Blue
BRN : Brown
GRY : Grey
ORG : Orange
RED : Red
WHT : White
YLW : Yellow
GRN : Green

Notes:

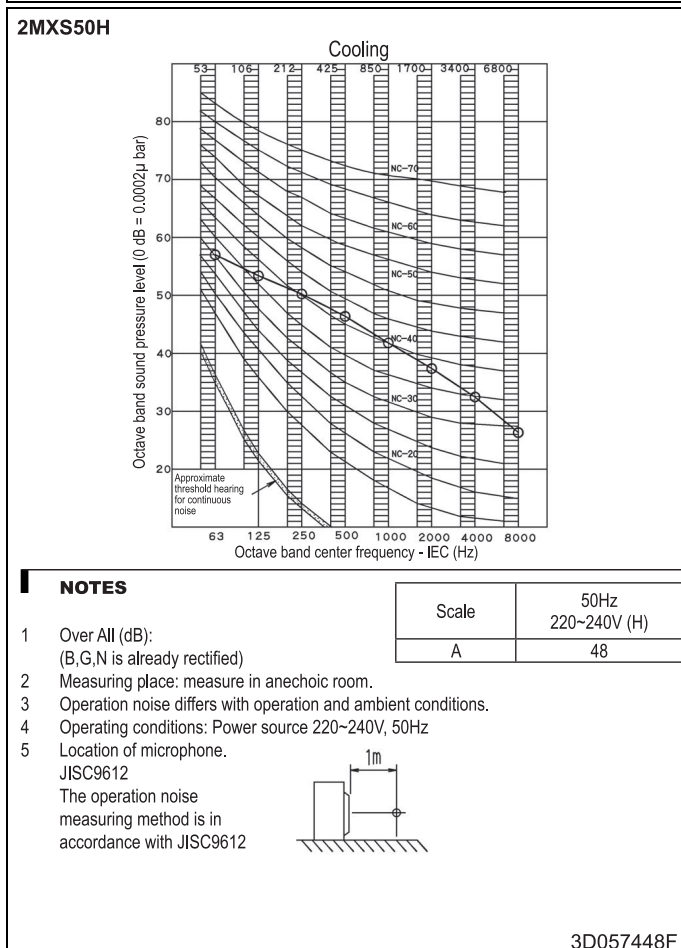
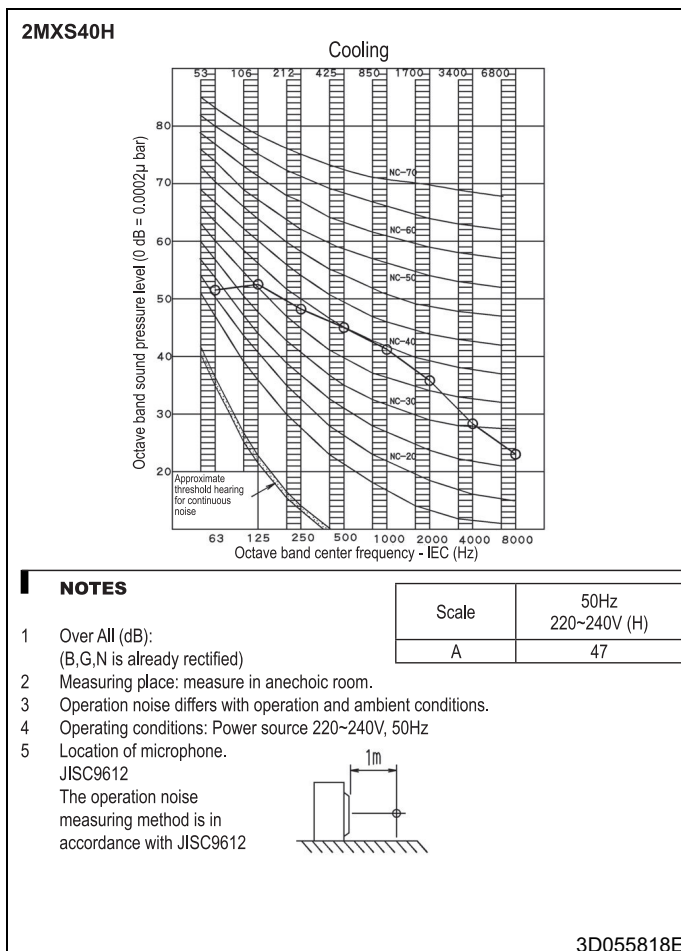
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. The electric wiring diagram label is 3P198700-1.

3D057045E

11 Sound data

11 - 1 Sound Pressure Spectrum - Cooling

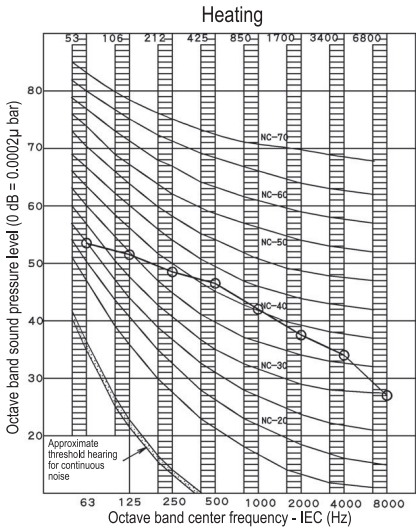
11



11 Sound data

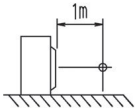
11 - 2 Sound Pressure Spectrum - Heating

2MXS40H



NOTES

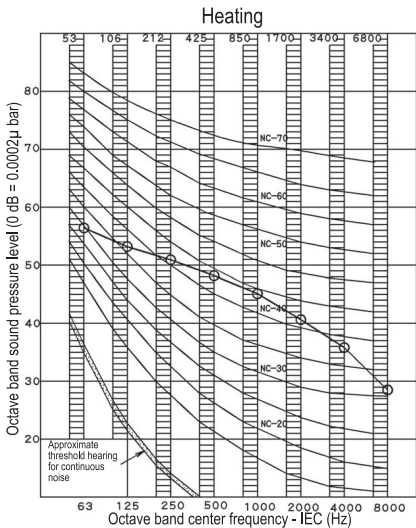
- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 220~240V, 50Hz
- 5 Location of microphone.
JISC9612
The operation noise
measuring method is in
accordance with JISC9612



Scale	50Hz 220~240V (H)
A	48

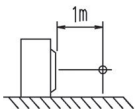
3D055818E

2MXS50H



NOTES

- 1 Over All (dB):
(B,G,N is already rectified)
- 2 Measuring place: measure in anechoic room.
- 3 Operation noise differs with operation and ambient conditions.
- 4 Operating conditions: Power source 220~240V, 50Hz
- 5 Location of microphone.
JISC9612
The operation noise
measuring method is in
accordance with JISC9612



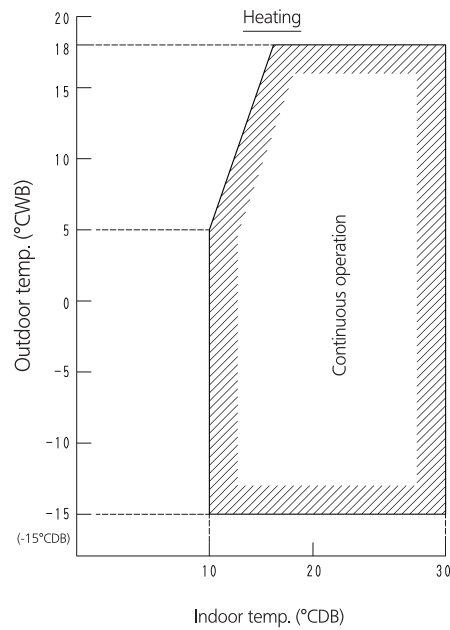
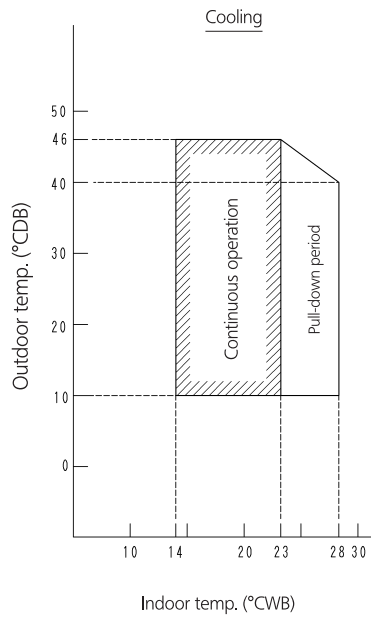
Scale	50Hz 220~240V (H)
A	50

3D057448F

12 Operation range

12 - 1 Operation Range

MXS-H



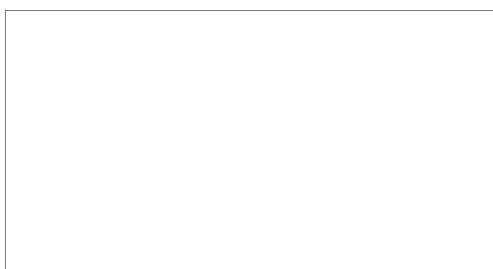
Notes:

The graphs are based on the following conditions:

- Equivalent piping length 5.0 m
- Level difference 0 m
- Air flow rate high

3D057575G

Daikin Europe N.V. Naamloze Vennootschap - Zandvoordestraat 300, B-8400 Oostende - Belgium - www.daikin.eu - BE 0412 120 336 - RPR Oostende



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XXX-04/16



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