TRUST
Air Conditioners

MODULAR SCROLL CHILLER

TRUST AIR CONDITIONING EQUIPMENT CO.
Prepared By: Engineering & R & D Department.

Shiraz- AUG 2015

TRUST New Codes:

Old Model	New Code
TMCHMOF(D)-25H407W	CC03-TMMM25F(D)3W2/3AT1TB
TMCHMOF(D)-30H(407)W	CC03-TMMM30F(D)3W2/2(3)AT1TB
TMCHMOF(D)-35H407W	CC03-TMMM35F(D)3W2/3AT1TB
TMCHMOF-55H407W	CC03-TMMM55F3W2/3AT1SA
TMCHMOF-65H(407)W	CC03-TMMM65F3W2/2(3)AT1SA
TMCHMOD-65H(407)W	CC03-TMMM65D3W2/2(3)AT1SB

توجه:
شرکت تراست حق تغییر مشخصات دستگاه ها را در جهت بهبود و ارتقای کیفیت برای خود محفوظ می دارد.

2009-12

Contents

1. Product Schedule

No	Model	Refrigerant	Net dimension (L×W×H) (unit: mm)	Net weight (kg)	Power supply
1	TMCHMOF-25H407W	R407C	1514×850×1820	380	380~415V/3ph/50Hz
2	TMCHMOD-25H407W	R407C	1514×850×1820	380	380~415V/3ph/50Hz
3	TMCHMOF-30H407W	R407C	1514×850×1820	380	380~415V/3ph/50Hz
4	TMCHMOD-30H407W	R407C	1514×850×1820	380	380~415V/3ph/50Hz
5	TMCHMOF-35H407W	R407C	1514×850×1820	380	380~415V/3ph/50Hz
6	TMCHMOD-35H407W	R407C	1514×850×1820	380	380~415V/3ph/50Hz
7	TMCHMOF-55H407W	R407C	2000×900×1880	580	380~415V/3ph/50Hz
8	TMCHMOF-60H407W	R407C	2000×900×1880	580	380~415V/3ph/50Hz
9	TMCHMOF-65H407W	R407C	2000×900×1880	580	380~415V/3ph/50Hz

2. External appearance:

25/30/35 module

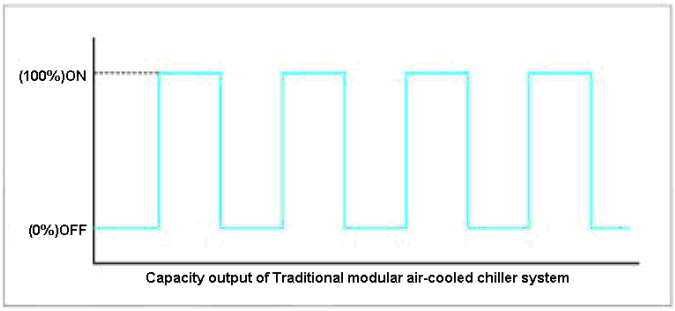
55/60/65 module

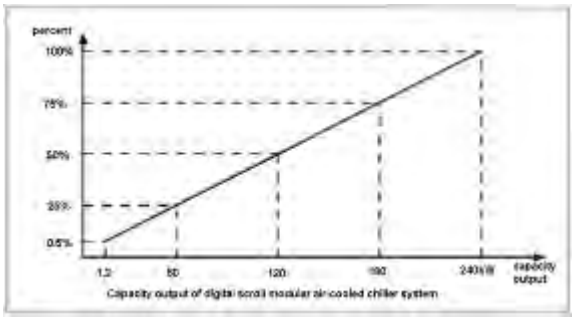
3. Features

1.Digital scroll technic，new type modular air-cooler chiller system.

Capacity output is controlled depending on controlling compressor to on/off in traditional modular air-cooler chiller system control. The precision of the control mode is not very good, and the compressor is frequently on and off, which is very bad for the compressor's life.

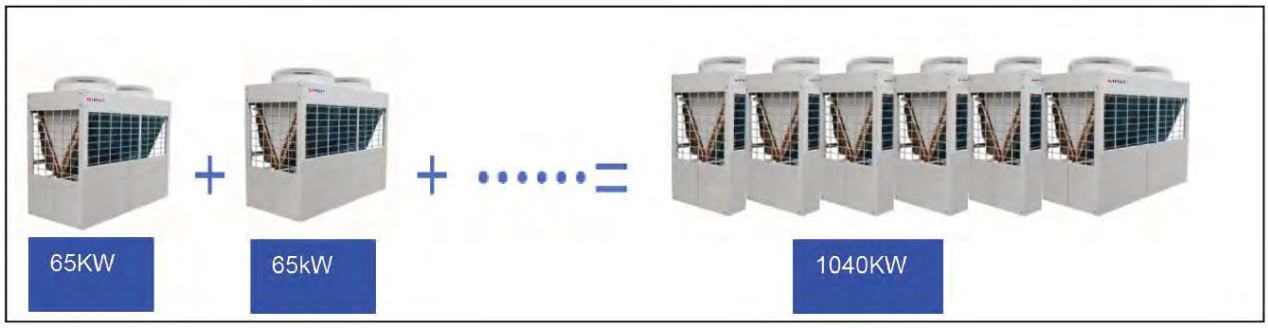
Digital scroll modular air-cooled chiller system breaks traditional design, which is inconceivably designed with digital scroll compressor and constant scroll compressor parallel connection. the system can achieve linear capacity adjustion within 0.5%-100%,the scope is widest in industry. When the system operates at the part-load, the system can accurately adjust cooling and heating capacity output basing on actual requirement of the indoor room





2.Modular design, flexible combination, more convenient for design and installation.

The unit adopt modular design, which can makes more unit connect together. The unit can combine 16 separate module(25,30.35.55.60.65module) or 8 module(130module).Cooling(heating) capacity can increase step by step by 5KW per each time within 25kW-1040kW,meanwhile every separate module can operate as main unit, also each module can be a slave unit with modules combination, more convenient for design and installation.



3.The maximum combination of the system consists of 1 main unit and 15 slave units for 25,30.35.55.60 and 65 module， 1 main unit and 7 slave units for 130 module and 1 main unit and 4 slave units for 130 module.

4.Chilled water outlet temperature adjustable.

Chilled water outlet temperature can be adjusted by wire controller according to customer's demand. In cooling mode, the adjustable range from 5℃-17℃.

5.Easy connection between main unit and slave units.

6.Compact structure, no cooling tower is needed, which reduces the installation cost.

7.Strong micro-computer intelligent control and monitor function.

8.System will be more reliable with new type efficient heat exchanger

Evaporator of 25,30 and 35 module adopts double-pipe heat exchanger and Evaporator of 55,60,65,130 and 200 module adopt Shell and tube heat exchange.

4. Specification

Model			TMCHMOF-25H407W	TMCHMOF-30H407W	TMCHMOF-35H407W
Cooling Capacity		kW	25	30	35
Heating Capacity		kW	27	32	37
Power supply		V/Ph/Hz	380-415/3/50		
Compressor	Type		Scroll (constant speed)		
	Quantities	Pieces	2	2	2
Power input	Cooling	kW	8.2	9.8	11.5
	Heating	kW	8.1	9.6	11.3
Refrigerant	Type		R407C		
	Weight	kg	7		
Condenser (Air side)	Air side heat-exchanger type		Copper-fin-coil		
	Quantities of fan motor	Pieces	1		
	Air flow volume	$\times 10^3 m^3/h$	12		
	Fan motor input	kW	0.3		
Evaporator (Water side)	Water side heat-exchanger type		double-pipe heat exchanger		
	Water resistance loss	kPa	20		
	Water inlet/outlet pipeline diameter	mm	DN40		
	Water flow volume	m^3/h	4.4	5.2	5.9
	Max. Pressure	MPa	1		
	Water pipe connection type		Flexible joint		
Dimension	L	mm	1514		
	W	mm	850		
	H	mm	1820		
Packing size	L×W×H	mm	1620×1034×2041		
Weight	Net weight	kg	380		
	Operating weight	kg	400		
Connection wiring	Power wiring	$mm^2 \times No.$	16×4+10 ×1		
	Signal wiring	$mm^2 \times No.$	0.75×3-core		
Control type			Wired controller		
Safety protection device			High/low-pressure switch, anti-frost protection, target flow switch, over-load protection, and power phases sequence protection etc.		
Noise level		dB(A)	65		
Operation water temp		℃	Cooling：5～17 Heating：45～50		
Ambient temp		℃	Cooling：10～46 Heating：-15～21		

Note: Please refer to the water flow volume in the above table strictly to design and install.

Model			TMCHMOD-25H407W	TMCHMOD-30H407W	TMCHMOD-35H407W
Cooling Capacity		kW	25	30	35
Heating Capacity		kW	27	32	37
Power supply		V/Ph/Hz	380-415/3/50		
Compressor	Type		Constant Speed Scroll + Digital Scroll		
	Quantities	Pieces	1+1	1+1	1+1
Power input	Cooling	kW	8.2	9.8	11.5
	Heating	kW	8.1	9.6	11.3
Refrigerant	Type		R407C		
	Weight	kg	7		
Condenser (Air side)	Air side heat-exchanger type		Copper-fin-coil		
	Quantities of fan motor	Pieces	1		
	Air flow volume	$\times 10^3 m^3/h$	12		
	Fan motor input	kW	0.3		
Evaporator (Water side)	Water side heat-exchanger type		Double-pipe heat exchanger		
	Water resistance loss	kPa	20		
	Water inlet/outlet pipeline diameter	mm	DN40		
	Water flow volume	m^3/h	4.4	5.2	5.9
	Max. Pressure	MPa	1		
	Water pipe connection type		Flexible joint		
Dimension	L	mm	1514		
	W	mm	850		
	H	mm	1820		
Packing size	L×W×H	mm	1620×1034×2041		
Weight	Net weight	kg	380		
	Operating weight	kg	400		
Connection wiring	Power wiring	mm^2×No.	16×4+10 ×1		
	Signal wiring	mm^2×No.	0.75×3-core		
Control type			Wired controller		
Safety protection device			High/low-pressure switch, anti-frost protection, target flow switch, over-load protection, and power phases sequence protection etc.		
Noise level		dB(A)	65		
Operation water temp		℃	Cooling：5～17 Heating：45～50		
Ambient temp		℃	Cooling：10～46 Heating：-15～21		

Note: Please refer to the water flow volume in the above table strictly to design and install.

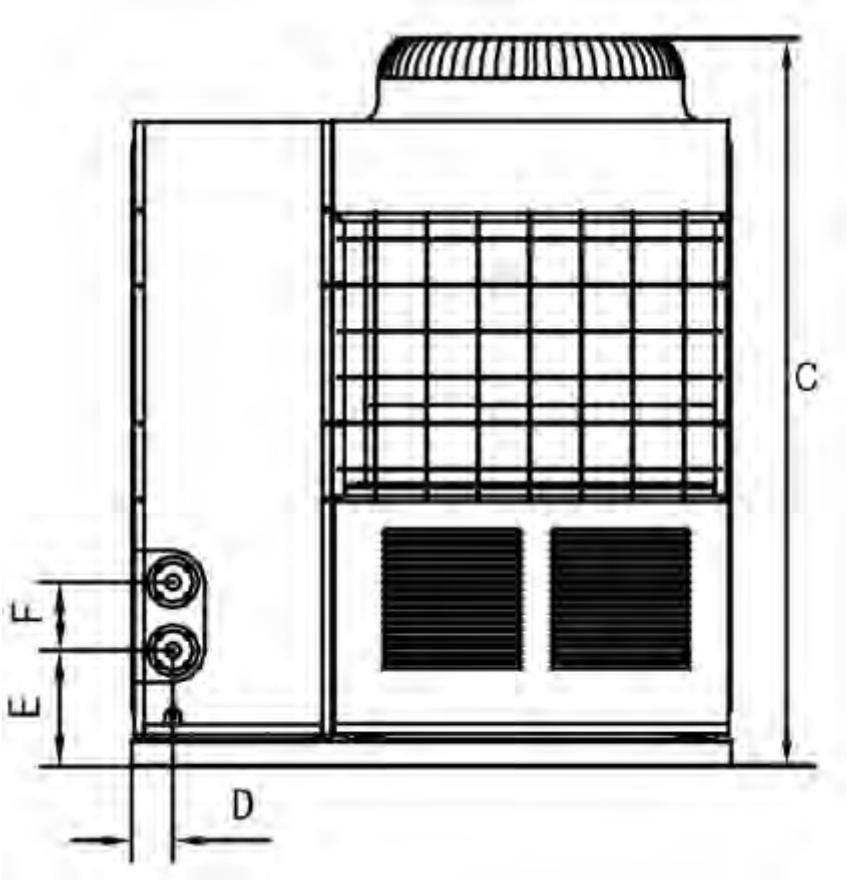
Note: Please refer to the water flow volume in the above table strictly to design and install.Model

Model			TMCHMOF-55H407W	TMCHMOF-60H407W	TMCHMOF-65H407W
Cooling Capacity		kW	55	60	65
Heating Capacity		kW	59	64	69
Power supply		V/Ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
Compressor	Type		fixed speed Scroll		
	Quantities	Pieces	2	2	2
Power input	Cooling	kW	17.0	18.6	20.2
	Heating	kW	16.8	18.3	19.8
Refrigerant	Type		R407C		
	Weight	kg	15	15	15
Condenser (Air side)	Air side heat-exchanger type		Copper-fin-coil		
	Quantities of fan motor	Pieces	2	2	2
	Air flow volume	$\times 10^3 m^3/h$	24	24	24
	Fan motor input	kW	0.65	0.65	0.65
Evaporator (Water side)	Water side heat-exchanger type		Shell and tube heat exchanger		
	Water resistance loss	kPa	15	15	15
	Water inlet/outlet pipeline diameter	mm	DN100	DN100	DN100
	Water flow volume	m^3/h	9.4	10.3	11.2
	Max. Pressure	MPa	1		
	Water pipe connection type		Flexible joint		
Dimension	L	mm	2000	2000	2000
	W	mm	900	900	900
	H	mm	1880	1880	1880
Packing size	L×W×H	mm	2090×985×2020	2090×985×2020	2090×985×2020
Weight	Net weight	kg	600	600	580
	Operating weight	kg	670	670	670
Connection wiring	Power wiring	mm^2×No.	16×4+10 ×1	16×4+10 ×1	16×4+10 ×1
	Signal wiring	mm^2×No.	0.75×3-core		
Control type			Wired controller		
Safety protection device			High/low-pressure switch, anti-frost protection, target flow switch, over-load protection, and power phases sequence protection etc.		
Noise level		dB(A)	65	65	65
Operation water temp		℃	Cooling：5～17 Heating：45～50		
Ambient temp		℃	Cooling：10～46 Heating：-15～21		

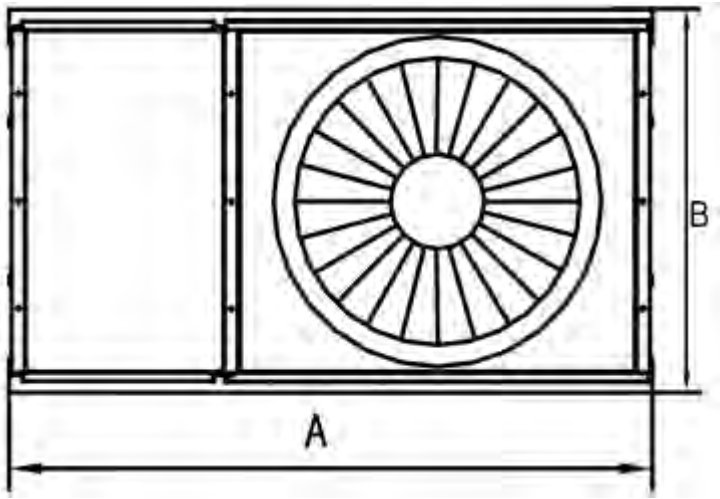
Note: Please refer to the water flow volume in the above table strictly to design and install.

5.Dimension

25/30/35 module



Front view

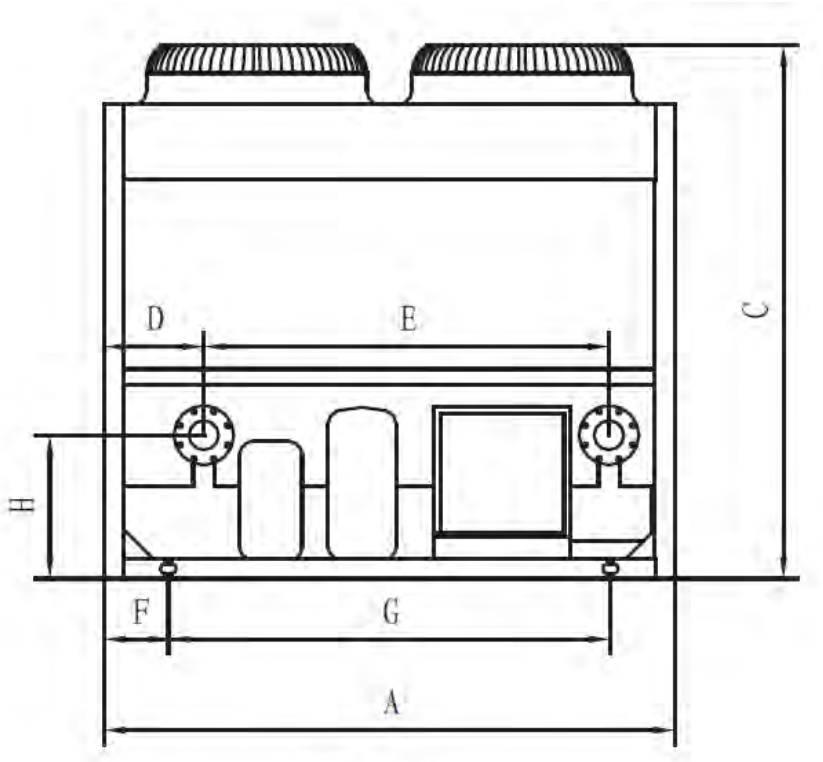


Top view

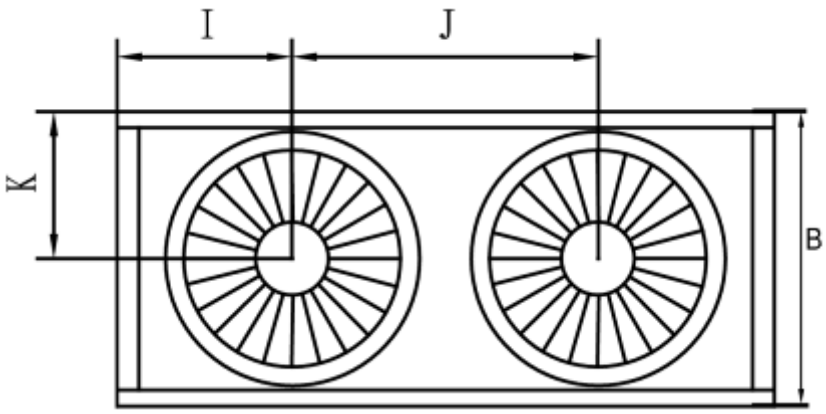
Unit: mm

Model	A	B	C	D	E	F
TMCHMOF(D)-25H407W	1514	850	1820	104	292	172
TMCHMOF(D)-30H407W						
TMCHMOF(D)-35H407W						

55/60/65 module



Front view



Top view

Unit: mm

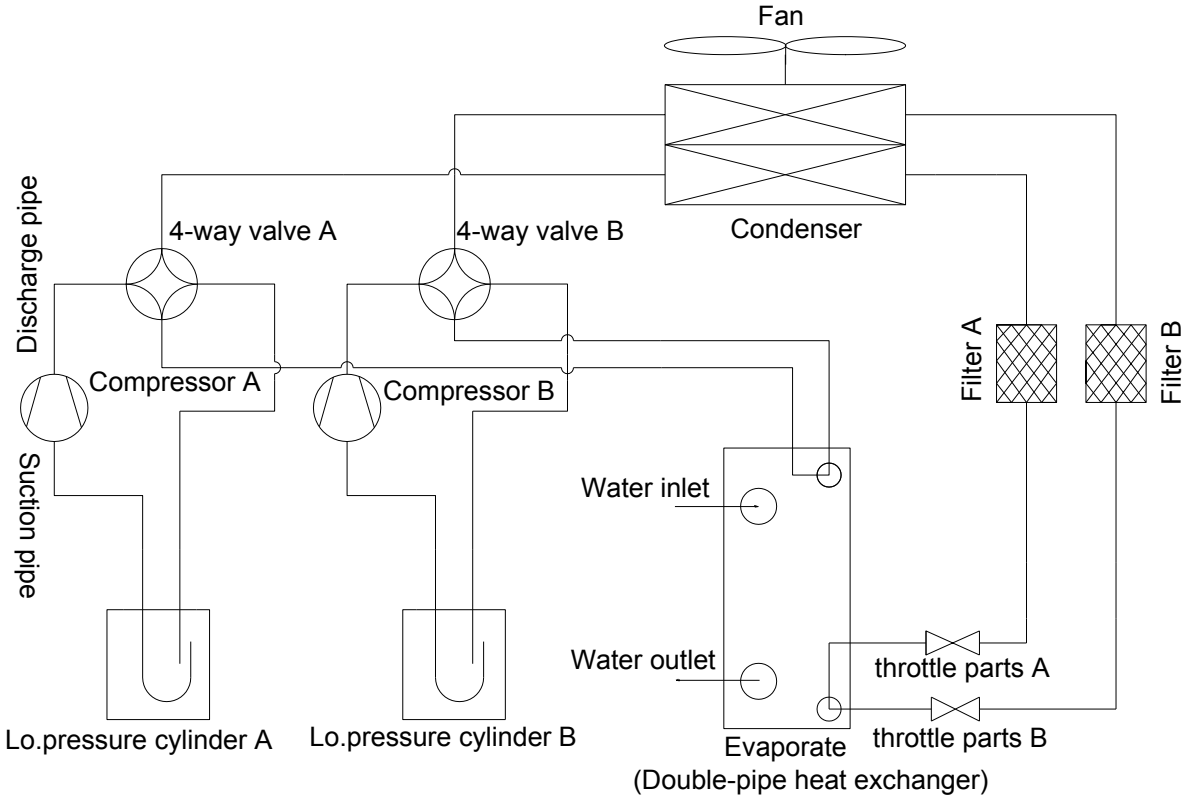
Model	A	B	C	D	E	F	G	H	I	J	K
TMCHMOF-55H407W	2000	900	1880	350	1420	225	1500	506	530	930	450
TMCHMOF-60H407W	2000	900	1880	350	1420	225	1500	506	530	930	450
TMCHMOF-65H407W	2000	900	1880	350	1420	225	1500	506	530	930	450

6.Piping Diagram & Pipe Connection Drawing

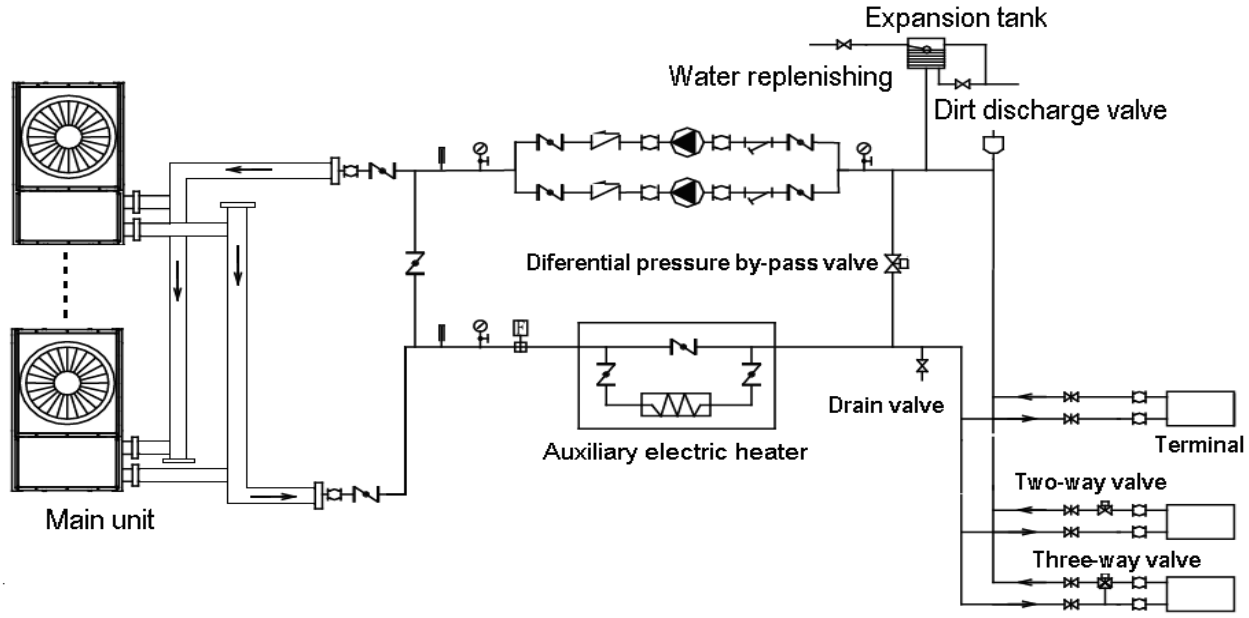
6.1 25/30/35 Module refrigeration system sketch drawing and pipe connection drawing

6.1.1 25/30/35 Module refrigeration system sketch drawing

Each module has two compressors with two separate A/C systems, one double-pipe evaporate for two systems.



6.1.2 25/30/35 Module water pipeline sketch drawing

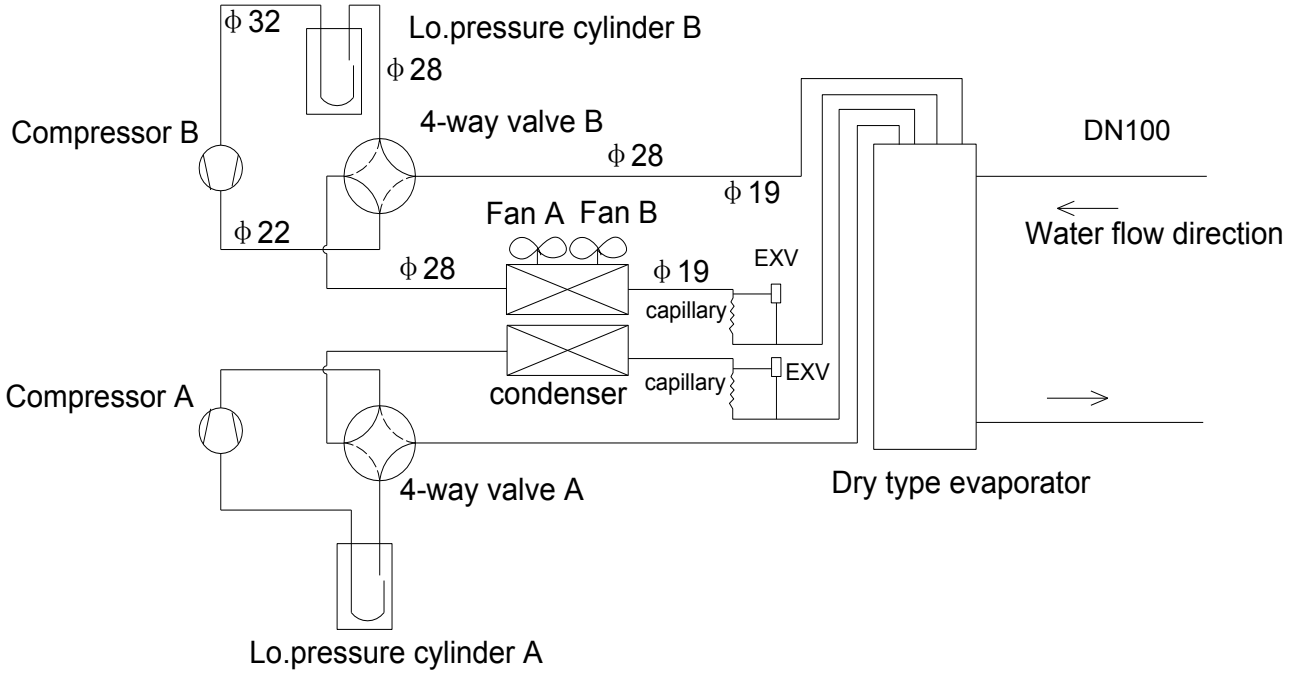


Symbol explanation				
Stop valve	Pressure gauge	Water flow switch	Gate valve	Flexible joint
Y-shaped filter	Thermometer	Circulating pump	Check valve	Automatic discharge valve

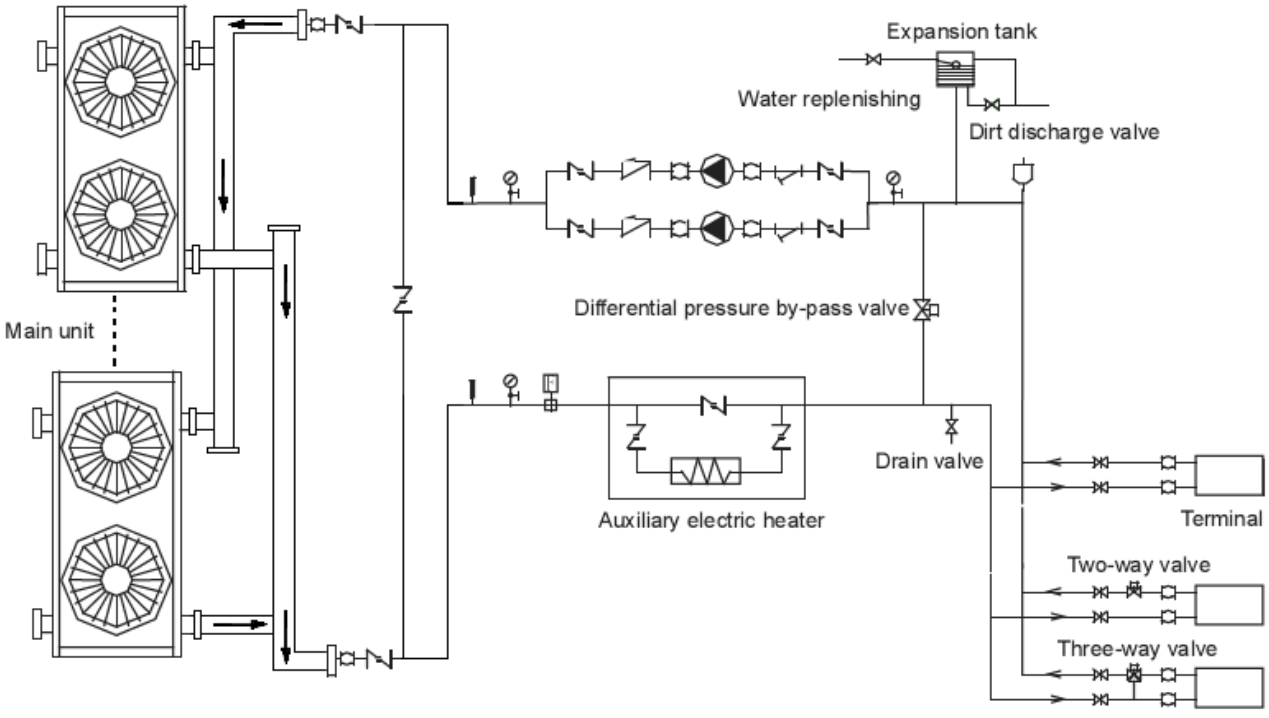
6.2 55/60/65 Module refrigeration system sketch drawing and pipe connection drawing

6.2.1 55/60/65 Module refrigeration system sketch drawing

Each module has two compressors with two separate A/C systems, one shell and tube evaporate for two systems.



6.2.2 55/60/65 Module water pipeline sketch drawing

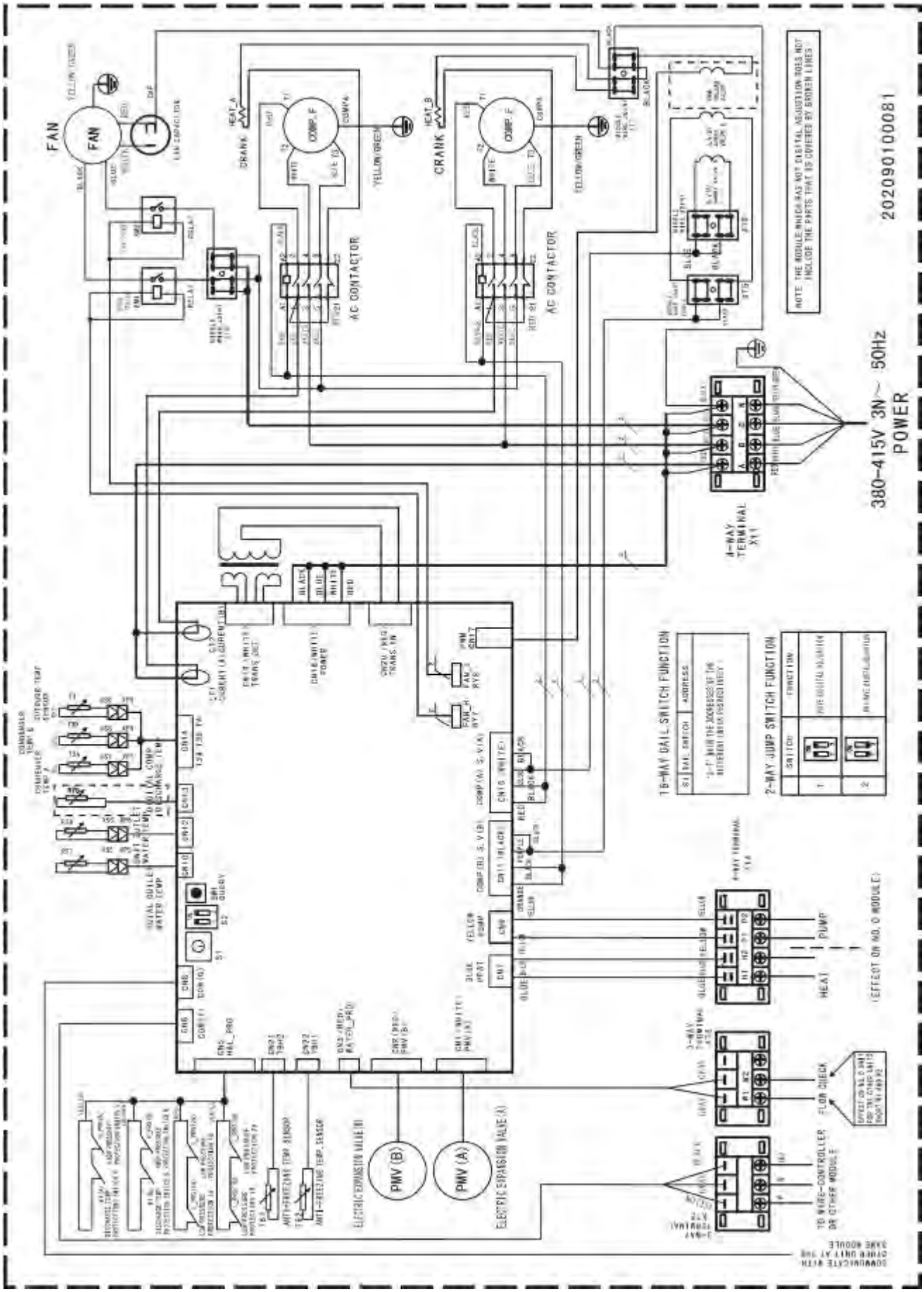


Symbol explanation				
Stop valve	Pressure gauge	Water flow switch	Gate valve	Flexible joint
Y-shaped filter	Thermometer	Circulating pump	Check valve	Automatic discharge valve

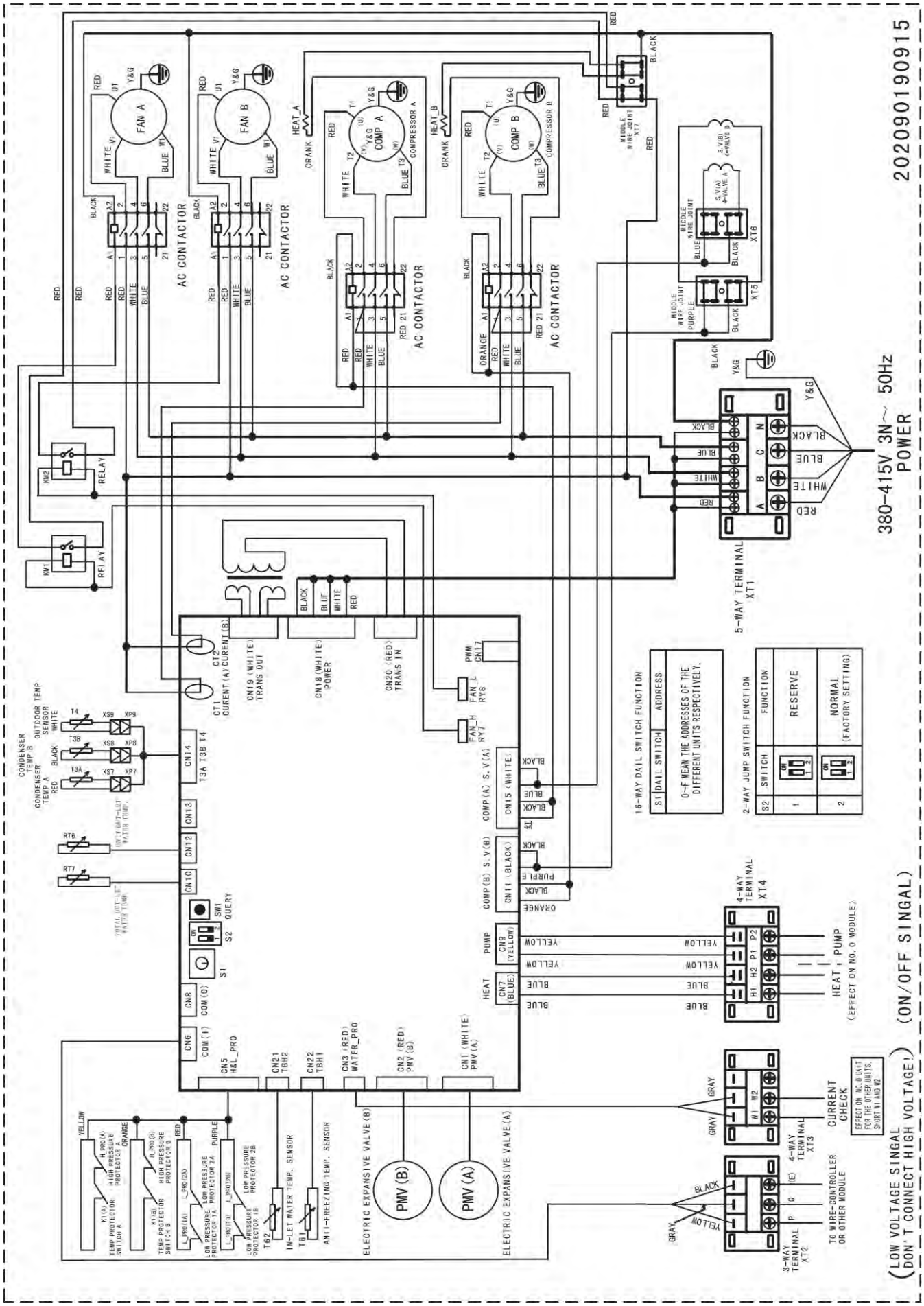
7.Wiring Diagrams

7.1 Outdoor Wiring Diagram

25/30/35 Module



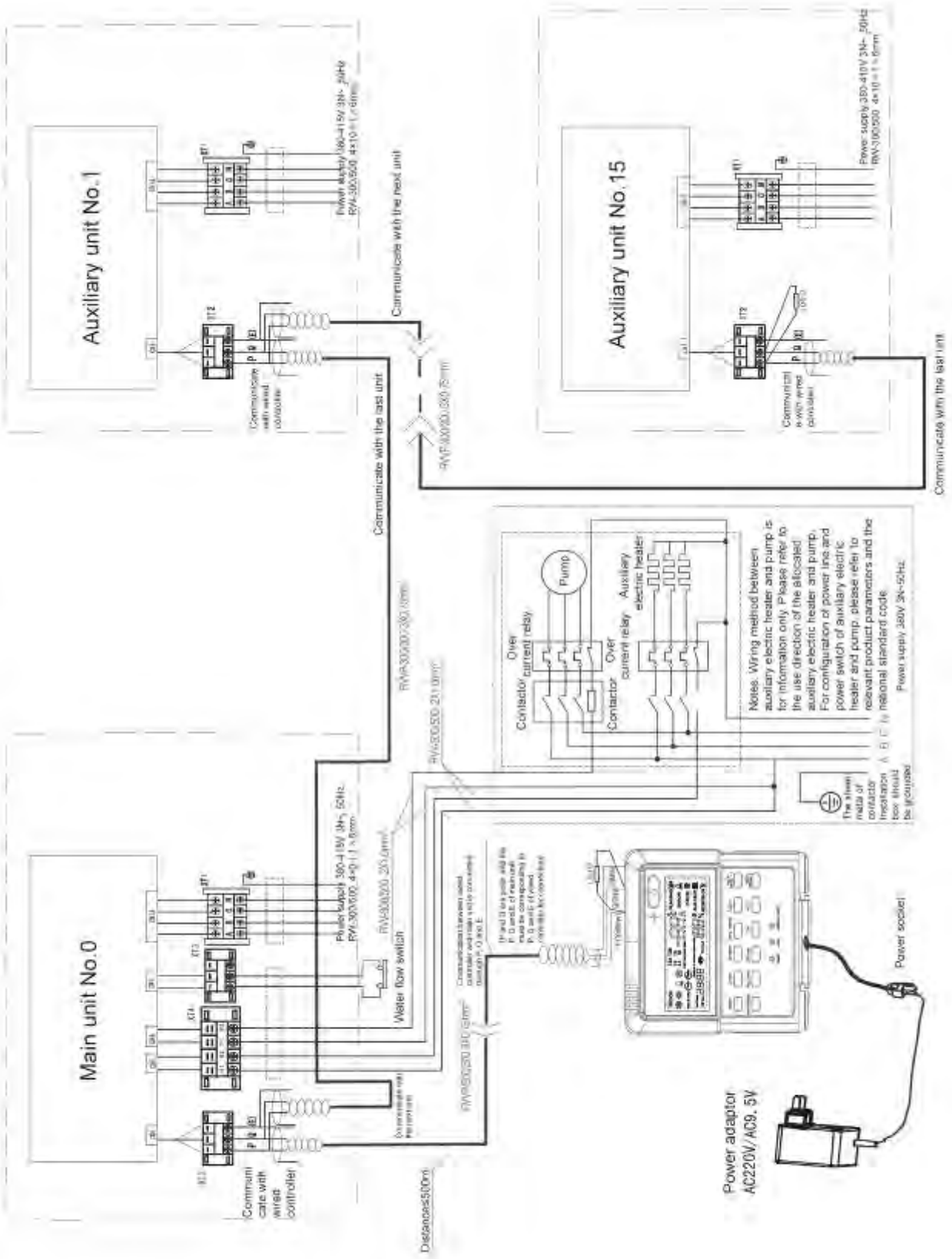
55/60/65 Module



7.2 Networking Communication Schematic of Main Unit and Auxiliary Unit

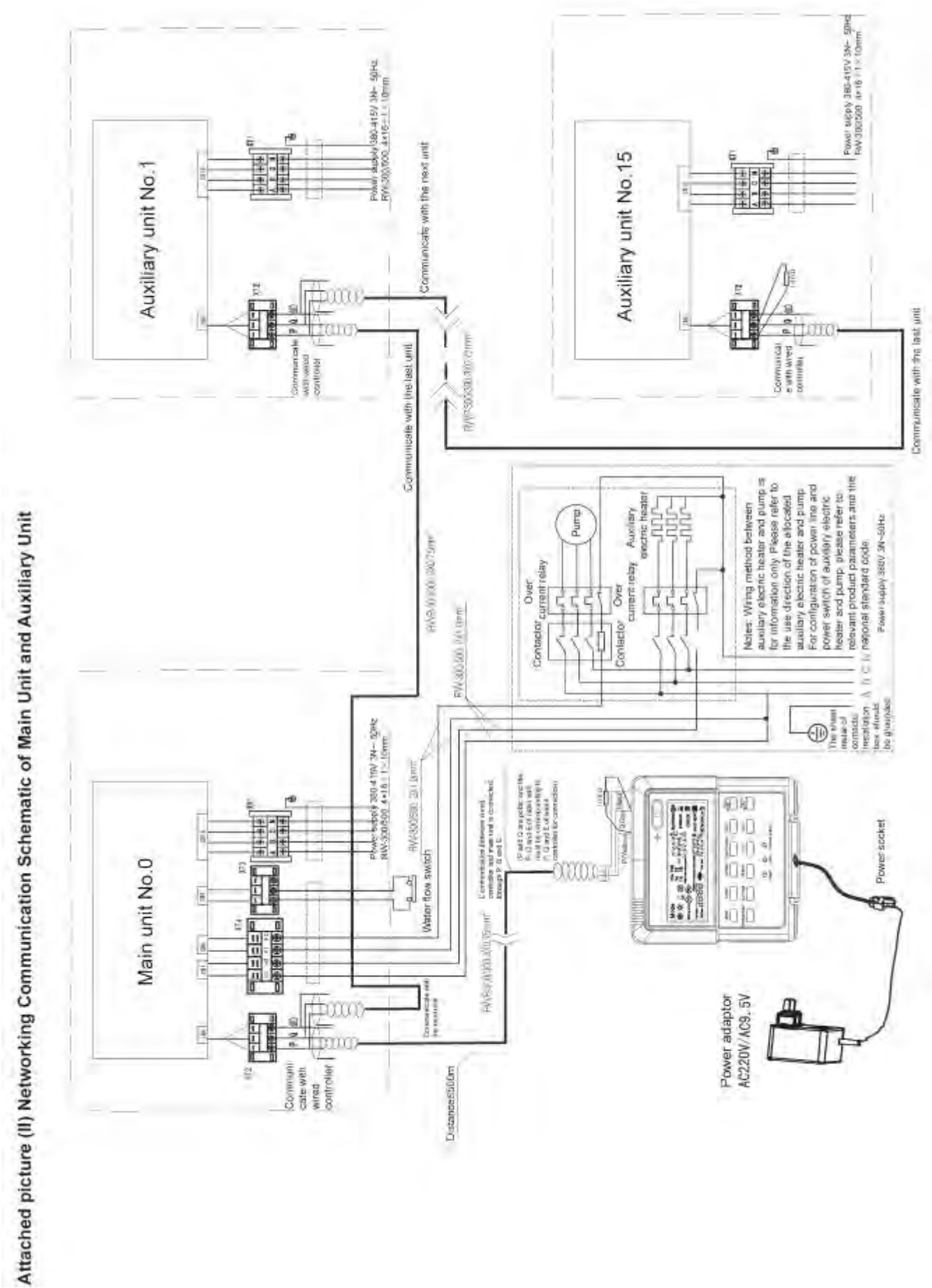
25/30/35 Module

Attached picture (II) Networking Communication Schematic of Main Unit and Auxiliary Unit



55/60/65 Module

Attached picture (II) Networking Communication Schematic of Main Unit and Auxiliary Unit



8.Electric Characteristics

Model	Outdoor Unit				Power Supply		Compressor		OFM	
	Hz	Voltage	Min.	Max.	TOCA	MFA	MSC	RLA	KW	FLA
TMCHMOF-25H407W	50	380-415	342	418	21.3	36	9.7(×2)	8.1(×2)	0.67	3.1
TMCHMOD-25H407W	50	380-415	342	418	21.3	36	9.7(×2)	8.1(×2)	0.67	3.1
TMCHMOF-30H407W	50	380-415	342	418	22.6	36	9.7(×2)	8.1(×2)	0.67	3.1
TMCHMOD-30H407W	50	380-415	342	418	22.6	36	9.7(×2)	8.1(×2)	0.67	3.1
TMCHMOF-35H407W	50	380-415	342	418	24.1	36	9.7(×2)	8.1(×2)	0.67	3.1
TMCHMOD-35H407W	50	380-415	342	418	24.1	36	9.7(×2)	8.1(×2)	0.67	3.1
TMCHMOF-55H407W	50	380-415	342	418	49.8	100	110(×2)	17.6 (×2)	0.65(×2)	3.0(×2)
TMCHMOF-60H407W	50	380-415	342	418	51.7	100	110(×2)	17.6(×2)	0.65(×2)	3.0(×2)
TMCHMOF-65H407W	50	380-415	342	418	54.5	100	110(×2)	17.6 (×2)	0.65(×2)	3.0(×2)

Remark:

TOCA: Total Over-current Amps. (A)
MFA: Max. Fuse Amps. (A)
MSC: Locked Rotor Amps. (A)
RLA: Rated Locked Amps. (A)
OFM: Outdoor Fan Motor.
FLA: Full Load Amps. (A)
KW: Rated Motor Input (KW)

9.Capacity Tables

9.1 Cooling:

TMCHMOF(D)-25H407W

Ambient temp.	Difference of water inlet and outlet temp.	Chilled water outlet temp. (℃)											
		5			7			9			12		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
25	3	26.0	7.5	7.2	27.6	7.9	7.3	28.7	8.2	7.5	29.6	8.5	7.7
	4		5.6			5.9			6.2			6.4	
	5		4.5			4.7			4.9			5.1	
28	3	25.8	7.4	7.3	27.0	7.7	7.4	28.3	8.1	7.6	29.3	8.4	7.8
	4		5.5			5.8			6.1			6.3	
	5		4.4			4.6			4.9			5.0	
30	3	24.9	7.1	7.7	26.3	7.5	7.7	27.5	7.9	7.9	28.9	8.3	8.1
	4		5.3			5.6			5.9			6.2	
	5		4.3			4.5			4.7			5.0	
32	3	24.3	7.0	7.8	26.0	7.5	7.9	27.3	7.8	8.1	28.5	8.2	8.3
	4		5.2			5.6			5.9			6.1	
	5		4.2			4.5			4.7			4.9	
35	3	23.8	6.8	8.1	25.0	7.2	8.3	26.5	7.6	8.6	27.5	7.9	8.8
	4		5.1			5.4			5.7			5.9	
	5		4.1			4.3			4.6			4.7	
38	3	23.0	6.6	8.6	24.3	7.0	8.8	25.5	7.3	9.0	26.5	7.6	9.0
	4		4.9			5.2			5.5			5.7	
	5		4.0			4.2			4.4			4.6	
40	3	22.5	6.4	8.8	23.5	6.7	9.0	24.8	7.1	9.3	26.0	7.5	9.3
	4		4.8			5.1			5.3			5.6	
	5		3.9			4.0			4.3			4.5	

TMCHMOF(D)-30H407W

Ambient temp.	Difference of water inlet and outlet temp.	Chilled water outlet temp. (℃)											
		5			7			9			12		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
25	3	31.2	8.9	8.6	33.1	9.5	8.8	34.4	9.9	9.0	35.5	10.2	9.3
	4		6.7			7.1			7.4			7.6	
	5		5.4			5.7			5.9			6.1	
28	3	30.9	8.9	8.8	32.4	9.3	8.9	33.9	9.7	9.1	35.1	10.1	9.4
	4		6.6			7.0			7.3			7.5	
	5		5.3			5.6			5.8			6.0	
30	3	29.9	8.6	9.2	31.5	9.0	9.3	33.0	9.5	9.5	34.7	9.9	9.8
	4		6.4			6.8			7.1			7.4	
	5		5.1			5.4			5.7			6.0	
32	3	29.2	8.4	9.4	31.2	8.9	9.5	32.7	9.4	9.7	34.2	9.8	10.0
	4		6.3			6.7			7.0			7.4	
	5		5.0			5.4			5.6			5.9	
35	3	28.5	8.2	9.7	30.0	8.6	10.0	31.8	9.1	10.3	33.0	9.5	10.5
	4		6.1			6.4			6.8			7.1	
	5		4.9			5.2			5.5			5.7	
38	3	27.6	7.9	10.3	29.1	8.3	10.5	30.6	8.8	10.8	31.8	9.1	10.8
	4		5.9			6.3			6.6			6.8	
	5		4.7			5.0			5.3			5.5	
40	3	27.0	7.7	10.6	28.2	8.1	10.8	29.7	8.5	11.1	31.2	8.9	11.1
	4		5.8			6.1			6.4			6.7	
	5		4.6			4.8			5.1			5.4	

TMCHMOF(D)-35H407W

Ambient temp.	Difference of water inlet and outlet temp.	Chilled water outlet temp. (℃)											
		5			7			9			12		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
25	3	36.4	10.4	10.0	38.6	11.1	10.3	40.1	11.5	10.5	41.4	11.9	10.8
	4		7.8			8.3			8.6			8.9	
	5		6.3			6.6			6.9			7.1	
28	3	36.1	10.3	10.3	37.8	10.8	10.4	39.6	11.3	10.6	41.0	11.7	11.0
	4		7.7			8.1			8.5			8.8	
	5		6.2			6.5			6.8			7.0	
30	3	34.8	10.0	10.7	36.8	10.5	10.8	38.5	11.0	11.0	40.4	11.6	11.4
	4		7.5			7.9			8.3			8.7	
	5		6.0			6.3			6.6			7.0	
32	3	34.1	9.8	11.0	36.4	10.4	11.1	38.2	10.9	11.3	39.9	11.4	11.7
	4		7.3			7.8			8.2			8.6	
	5		5.9			6.3			6.6			6.9	
35	3	33.3	9.5	11.3	35.0	10.0	11.7	27.1	10.6	12.0	38.5	11.0	12.8
	4		7.1			7.5			8.0			8.3	
	5		5.7			6.0			6.4			6.6	
38	3	32.2	9.2	12.0	34.0	9.7	12.3	35.7	10.2	12.6	37.1	10.6	12.6
	4		6.9			7.3			7.7			8.0	
	5		5.5			5.8			6.1			6.4	
40	3	31.5	9.0	12.4	32.9	9.4	12.6	34.7	9.9	13.0	36.4	10.4	13.0
	4		6.8			7.1			7.4			7.8	
	5		5.4			5.7			6.0			6.3	

TMCHMOF-55H407W

Ambient temp.	Difference of water inlet and outlet temp.	Chilled water outlet temp. (℃)											
		5			7			9			12		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
25	3	57.2	16.4	15.8	60.7	17.4	16.1	63.1	18.1	16.5	65.1	18.7	17.0
	4		12.3			13.0			13.6			14.0	
	5		9.8			10.4			10.8			11.2	
28	3	56.7	16.2	16.1	59.4	17.0	16.3	62.2	17.8	16.7	64.4	18.4	17.2
	4		12.2			12.8			13.4			13.8	
	5		9.7			10.2			10.7			11.1	
30	3	54.7	15.7	16.9	57.8	16.6	17.0	60.5	17.3	17.3	63.5	18.2	17.9
	4		11.8			12.4			13.0			13.7	
	5		9.4			9.9			10.4			10.9	
32	3	53.5	15.3	17.2	57.2	16.4	17.4	60.0	17.2	17.8	62.7	18.0	18.3
	4		11.5			12.3			12.9			13.5	
	5		9.2			9.8			10.3			10.8	
35	3	52.3	15.0	17.8	55.0	15.8	18.3	58.3	16.7	18.9	60.5	17.3	19.3
	4		11.2			11.8			12.5			13.0	
	5		9.0			9.4			10.0			10.4	
38	3	50.6	14.5	18.9	53.4	15.3	19.3	56.1	16.1	19.8	58.3	16.7	19.8
	4		10.9			11.5			12.1			12.5	
	5		8.7			9.2			9.6			10.0	
40	3	49.5	14.2	19.4	51.7	14.8	19.8	54.5	15.6	20.4	57.2	16.4	20.4
	4		10.6			11.1			11.7			12.3	
	5		8.5			8.9			9.4			9.8	

TMCHMOF-60H407W

Ambient temp.	Difference of water inlet and outlet temp.	Chilled water outlet temp. (℃)											
		5			7			9			12		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
25	3	62.4	17.9	17.2	66.2	19.0	17.6	68.8	19.7	18.0	71.0	20.3	18.5
	4		13.4			14.2			14.8			15.3	
	5		10.7			11.4			11.8			12.2	
28	3	61.8	17.7	17.6	64.8	18.6	17.8	67.8	19.4	18.2	70.2	20.1	18.8
	4		13.3			13.9			14.6			15.1	
	5		10.6			11.1			11.7			12.1	
30	3	59.7	17.1	18.4	63.0	18.1	18.5	66.0	18.9	18.9	69.3	19.9	19.5
	4		12.8			13.5			14.2			14.9	
	5		10.3			10.8			11.3			11.9	
32	3	58.4	16.7	18.8	62.4	17.9	19.0	65.4	18.7	19.4	68.4	19.6	20.0
	4		12.6			13.4			14.1			14.7	
	5		10.0			10.7			11.2			11.8	
35	3	57.0	16.3	19.4	60.0	17.2	20.0	63.6	18.2	20.6	66.0	18.9	21.0
	4		12.3			12.9			13.7			14.2	
	5		9.8			10.3			10.9			11.3	
38	3	55.2	15.8	20.6	58.2	16.7	21.0	61.2	17.5	21.6	63.6	18.2	21.6
	4		11.9			12.5			13.2			13.7	
	5		9.5			10.0			10.5			10.9	
40	3	54.0	15.5	21.2	56.4	16.2	21.6	59.4	17.0	22.2	62.4	17.9	22.2
	4		11.6			12.1			12.8			13.4	
	5		9.3			9.7			10.2			10.7	

TMCHMOF-65H407W

Ambient temp.	Difference of water inlet and outlet temp.	Chilled water outlet temp. (℃)											
		5			7			9			12		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
25	3	67.6	19.4	18.6	71.7	20.6	19.1	74.5	21.4	19.5	76.9	22.0	20.0
	4		14.5			15.4			16.0			16.5	
	5		11.6			12.3			12.8			13.2	
28	3	67.0	19.2	19.1	70.2	20.1	19.3	73.5	21.1	19.7	76.1	21.8	20.4
	4		14.4			15.1			15.8			16.3	
	5		11.5			12.1			12.6			13.1	
30	3	64.7	18.5	19.9	68.3	19.6	20.0	71.5	20.5	20.5	75.1	21.5	21.1
	4		13.9			14.7			15.4			16.1	
	5		11.1			11.7			12.3			12.9	
32	3	63.3	18.1	20.4	67.6	19.4	20.6	70.9	20.3	21.0	74.1	21.2	21.7
	4		13.6			14.5			15.2			15.9	
	5		10.9			11.6			12.2			12.7	
35	3	61.8	17.7	21.0	65.0	18.6	21.7	68.9	19.7	22.3	71.5	20.5	22.8
	4		13.3			14.0			14.8			15.4	
	5		10.6			11.2			11.8			12.3	
38	3	59.8	17.1	22.3	63.1	18.1	22.8	66.3	19.0	23.4	68.9	19.7	23.4
	4		12.9			13.6			14.3			14.8	
	5		10.3			10.8			11.4			11.8	
40	3	58.5	16.8	23.0	61.1	17.5	23.4	64.4	18.4	24.1	67.6	19.4	24.1
	4		12.6			13.1			13.8			14.5	
	5		10.1			10.5			11.1			11.6	

9.2 Heating:

TMCHMOF(D)-25H407W

Ambient temp.	Difference of water inlet and outlet temp.	Hot water outlet temp. (℃)														
		39			42			45			48			50		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
13	3	32.8	9.4	7.8	32.3	9.2	8.1	31.8	9.1	8.5	30.7	8.8	9.0	30.1	8.6	9.3
	4		7.0			6.9			6.8			6.6			6.5	
	5		5.6			5.5			5.5			5.3			5.2	
10	3	30.7	8.8	7.6	30.1	8.6	8.0	29.6	8.5	8.3	28.8	8.2	8.7	28.0	8.0	9.0
	4		6.6			6.5			6.4			6.2			6.0	
	5		5.3			5.2			5.1			4.9			4.8	
7	3	28.3	8.1	7.5	27.5	7.9	7.8	26.7	7.6	8.1	26.1	7.5	8.5	25.3	7.3	8.9
	4		6.1			5.9			5.7			5.6			5.4	
	5		4.9			4.7			4.6			4.5			4.4	
2	3	25.1	7.2	7.3	24.3	7.0	7.6	23.5	6.7	8.0	22.7	6.5	8.3	21.9	6.3	8.5
	4		5.4			5.2			5.0			4.9			4.7	
	5		4.3			4.2			4.0			4.9			3.8	
-2	3	21.6	6.2	7.1	20.8	6.0	7.4	20.0	5.7	7.8	19.5	5.6	8.1	18.7	5.3	8.5
	4		4.6			4.5			4.3			4.2			4.0	
	5		3.7			3.6			3.4			3.3			3.2	
-6	3	18.7	5.3	6.9	18.1	5.2	7.3	17.3	5.0	7.6	16.8	4.8	8.0	16.7	4.6	8.3
	4		4.0			3.9			3.7			3.6			3.4	
	5		3.2			3.1			3.0			2.9			2.8	
-10	3	17.1	4.9	6.8	16.5	4.7	7.1	16.0	4.6	7.5	15.2	4.4	7.8	14.4	4.1	8.1
	4		3.7			3.6			3.4			3.3			3.1	
	5		2.9			2.8			2.8			2.6			2.5	
-15	3	15.3	4.4	6.6	14.7	4.2	6.9	14.3	4.1	7.3	13.5	3.8	7.6	12.7	3.6	7.9
	4		3.3			3.2			3.1			2.9			2.7	
	5		2.6			2.5			2.4			2.3			2.2	

TMCHMOF(D)-30H407W

Ambient temp.	Difference of water inlet and outlet temp.	Hot water outlet temp. (℃)														
		39			42			45			48			50		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
13	3	39.4	11.3	9.4	38.7	11.1	9.8	38.1	10.9	10.3	36.8	10.5	10.8	36.2	10.4	11.1
	4		8.5			8.3			8.2			7.9			7.8	
	5		6.8			6.7			6.6			6.3			6.2	
10	3	36.4	10.5	9.2	36.2	10.4	9.6	35.5	10.2	10.0	34.5	9.9	10.4	33.6	9.6	10.8
	4		7.9			7.8			7.6			7.4			7.2	
	5		6.3			6.2			6.1			5.9			5.8	
7	3	33.9	9.7	9.0	33.0	9.5	9.4	32.0	9.2	9.8	31.4	9.0	10.3	30.4	8.7	10.7
	4		7.3			7.1			6.9			6.7			6.5	
	5		5.8			5.7			5.5			5.4			5.2	
2	3	30.1	8.6	8.8	29.2	8.4	9.2	28.2	8.1	9.6	27.2	7.8	10.0	26.3	7.5	10.3
	4		6.5			6.3			6.1			5.8			5.6	
	5		5.2			5.0			4.8			4.7			4.5	
-2	3	25.9	7.4	8.5	25.0	7.2	8.9	24.0	6.9	9.4	23.4	6.7	9.8	22.4	6.4	10.2
	4		5.6			5.4			5.2			5.0			4.8	
	5		4.5			4.3			4.1			4.0			3.9	
-6	3	22.4	6.4	8.3	21.8	6.2	8.7	20.8	6.0	9.2	20.2	5.8	9.6	19.2	5.5	10.0
	4		4.8			4.7			4.5			4.3			4.1	
	5		3.9			3.7			3.6			3.5			3.3	
-10	3	20.5	5.9	8.1	19.9	5.7	8.5	19.2	5.5	9.0	18.3	5.2	9.4	17.3	5.0	9.8
	4		4.4			4.3			4.1			3.9			3.7	
	5		3.5			3.4			3.3			3.1			3.0	
-15	3	18.4	5.3	7.9	17.8	5.1	8.3	17.1	4.9	8.8	16.3	4.7	9.2	15.3	4.4	9.6
	4		3.9			3.8			3.7			3.5			3.3	
	5		3.2			3.1			2.9			2.8			2.6	

TMCHMOF(D)-35H407W

Ambient temp.	Difference of water inlet and outlet temp.	Hot water outlet temp. (℃)														
		39			42			45			48			50		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
13	3	45.9	13.2	10.9	45.2	12.9	11.4	44.5	12.7	12.0	42.9	12.3	12.5	42.2	12.1	13.0
	4		9.9			9.7			9.6			9.2			9.1	
	5		7.9			7.8			7.8			7.4			7.3	
10	3	42.9	12.3	10.7	42.2	12.1	11.1	41.4	11.9	11.6	40.3	11.5	12.1	39.2	11.2	12.6
	4		9.2			9.1			8.9			8.7			8.4	
	5		7.4			7.3			7.1			6.9			6.7	
7	3	39.8	11.3	10.4	38.5	11.0	10.9	37.3	10.7	11.4	36.6	10.5	12.0	35.5	10.2	12.4
	4		8.5			8.3			8.0			7.9			7.6	
	5		6.8			6.6			6.4			6.3			6.1	
2	3	35.1	10.1	10.3	34.0	9.7	10.7	32.8	9.4	11.1	31.7	9.1	11.6	30.6	8.8	12.0
	4		7.5			7.3			7.1			6.8			6.6	
	5		6.0			5.8			5.6			5.5			5.3	
-2	3	30.2	8.7	9.9	29.1	8.3	10.3	28.0	8.0	10.9	27.2	7.8	11.4	26.1	7.5	11.8
	4		6.5			6.3			6.0			5.9			5.6	
	5		5.2			5.0			4.8			4.7			4.5	
-6	3	26.1	7.5	9.7	25.4	7.3	10.2	24.3	7.0	10.7	23.5	6.7	11.1	22.4	6.4	11.6
	4		5.6			5.5			5.2			5.1			4.8	
	5		4.5			4.4			4.2			4.0			3.9	
-10	3	23.9	6.9	9.5	23.2	6.6	9.9	22.4	6.4	10.4	21.3	6.1	10.9	20.2	5.8	11.4
	4		5.1			5.0			4.5			4.6			4.3	
	5		4.1			4.0			3.9			3.7			3.5	
-15	3	21.4	6.1	9.3	20.8	5.9	9.7	20	5.7	10.2	18.9	5.4	10.7	17.9	5.1	11.2
	4		4.6			4.4			4.3			4.1			3.8	
	5		3.7			3.6			3.4			3.2			3.1	

TMCHMOF-55H407W

Ambient temp.	Difference of water inlet and outlet temp.	Hot water outlet temp. (℃)														
		39			42			45			48			50		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
13	3	72.1	20.7	17.1	71	20.3	17.9	69.9	20.0	18.8	67.5	19.3	19.7	66.3	19.0	20.4
	4		15.5			15.3			15.0			14.5			14.2	
	5		12.4			12.2			12.0			11.6			11.4	
10	3	67.5	19.3	16.8	66.3	19.0	17.5	65.1	18.7	18.2	63.3	18.1	19.1	61.6	17.7	19.8
	4		14.5			14.2			14.0			13.6			13.2	
	5		11.6			11.4			11.2			10.9			10.6	
7	3	62.2	17.8	16.4	60.5	17.3	17.1	58.7	16.8	17.9	57.5	16.5	18.8	55.7	16.0	19.5
	4		13.4			13.0			12.6			12.4			12.0	
	5		10.7			10.4			10.1			9.9			9.6	
2	3	55.2	15.8	16.1	53.4	15.3	16.8	51.6	14.8	17.5	49.9	14.3	18.2	48.1	13.8	18.8
	4		11.9			11.5			11.1			10.7			10.3	
	5		9.5			9.2			8.9			8.6			8.3	
-2	3	47.5	13.6	15.6	45.7	13.1	16.2	44.0	12.6	17.1	42.8	12.3	17.9	41.1	11.8	18.6
	4		10.2			9.8			9.5			9.2			8.8	
	5		8.2			7.9			7.6			7.4			7.1	
-6	3	41.1	11.8	15.2	39.9	11.4	16	38.1	10.9	16.8	36.9	10.6	17.5	35.2	10.1	18.2
	4		8.8			8.6			8.2			7.9			7.6	
	5		7.1			6.9			6.6			6.4			6.1	
-10	3	37.6	10.8	14.9	36.4	10.4	15.6	35.2	10.1	16.4	33.5	9.6	17.1	31.7	9.1	17.9
	4		8.1			7.8			7.6			7.2			6.8	
	5		6.5			6.3			6.1			5.8			5.5	
-15	3	33.7	9.6	14.6	32.5	9.3	15.2	31.3	9	16	29.8	8.5	16.7	28	8	17.5
	4		7.2			7			6.7			6.4			6	
	5		5.8			5.6			5.4			5.1			4.8	

TMCHMOF-60H407W

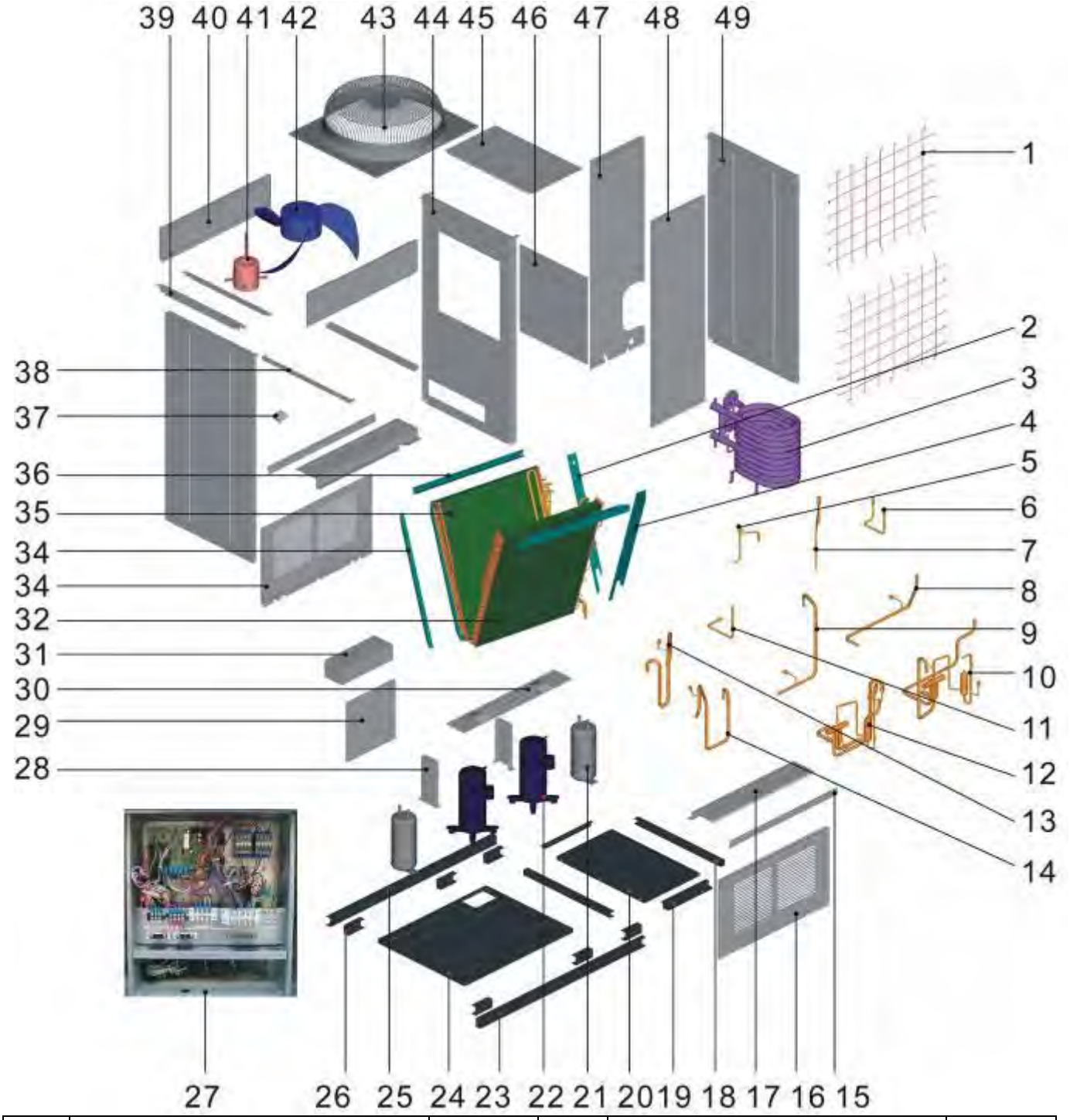
Ambient temp.	Difference of water inlet and outlet temp.	Hot water outlet temp. (℃)														
		39			42			45			48			50		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
13	3	78.7	22.6	18.7	77.4	22.2	19.5	76.2	21.8	20.5	73.6	21.1	21.5	72.3	20.7	22.2
	4		16.9			16.6			16.4			15.8			15.5	
	5		13.5			13.3			13.1			12.7			12.4	
10	3	73.6	21.1	18.3	72.3	20.7	19.1	71	20.3	19.9	69	19.8	20.8	67.2	19.3	21.6
	4		15.8			15.5			15.3			14.8			14.4	
	5		12.7			12.4			12.2			11.9			11.6	
7	3	67.8	19.4	17.9	66	18.9	18.7	64	18.3	19.5	62.7	18.0	20.5	60.8	17.4	21.3
	4		14.6			14.2			13.8			13.5			13.1	
	5		11.7			11.3			11.0			10.8			10.5	
2	3	60.2	17.3	17.6	58.3	16.7	18.3	56.3	16.1	19.1	54.4	15.6	19.9	52.5	15.0	20.5
	4		12.9			12.5			12.1			11.7			11.3	
	5		10.4			10.0			9.7			9.4			9.0	
-2	3	51.8	14.8	17	49.9	14.3	17.7	48	13.8	18.7	46.7	13.4	19.5	44.8	12.8	20.3
	4		11.1			10.7			10.3			10.0			9.6	
	5		8.9			8.6			8.3			8.0			7.7	
-6	3	44.8	12.8	16.6	43.5	12.5	17.4	41.6	11.9	18.3	40.3	11.6	19.1	38.4	11.0	19.9
	4		9.6			9.4			8.9			8.7			8.3	
	5		7.7			7.5			7.2			6.9			6.6	
-10	3	41.0	11.8	16.2	39.7	11.4	17	38.4	11.0	17.9	36.5	10.5	18.7	34.6	9.9	19.5
	4		8.8			8.5			8.3			7.8			7.4	
	5		7.1			6.8			6.6			6.3			5.9	
-15	3	36.8	10.5	15.8	35.5	10.1	16.6	34.2	9.8	17.5	32.5	9.3	18.3	30.6	8.7	19.1
	4		7.9			7.6			7.3			7			6.6	
	5		6.3			6.1			5.9			5.6			5.2	

TMCHMOF-65H407W

Ambient temp.	Difference of water inlet and outlet temp.	Hot water outlet temp. (℃)														
		39			42			45			48			50		
		Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power	Capacity	Water flow	Power
(℃)	(℃)	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW	kW	m^3/h	kW
13	3	85.3	24.4	20.3	83.9	24.0	21.1	82.6	23.7	22.2	79.7	22.9	23.3	78.3	22.4	24.1
	4		18.3			18.0			17.7			17.1			16.8	
	5		14.7			14.4			14.2			13.7			13.5	
10	3	79.7	22.9	19.8	78.3	22.4	20.7	76.9	22.0	21.6	74.8	21.4	22.5	72.8	20.9	23.4
	4		17.1			16.8			16.5			16.1			15.6	
	5		13.7			13.5			13.2			12.9			12.5	
7	3	73.5	21.1	19.4	71.5	20.5	20.3	69.3	19.9	21.1	67.9	19.5	22.2	65.9	18.9	23.1
	4		15.8			15.4			14.9			14.6			14.2	
	5		12.6			12.3			11.9			11.7			11.3	
2	3	65.2	18.7	19.1	63.2	18.1	19.8	61	17.5	20.7	58.9	16.9	21.6	56.9	16.3	22.2
	4		14.0			13.6			13.1			12.7			12.2	
	5		11.2			10.9			10.5			10.1			9.8	
-2	3	56.1	16.1	18.4	54.1	15.5	19.2	52	14.9	20.3	50.6	14.5	21.1	48.5	13.9	22
	4		12.1			11.6			11.2			10.9			10.4	
	5		9.6			9.3			8.9			8.7			8.3	
-6	3	48.5	13.9	18	47.1	13.5	18.9	45.1	12.9	19.8	43.7	12.5	20.7	41.6	11.9	21.6
	4		10.4			10.1			9.7			9.4			8.9	
	5		8.3			8.1			7.7			7.5			7.2	
-10	3	44.4	12.7	17.6	43	12.3	18.4	41.6	11.9	19.4	39.5	11.3	20.3	37.5	10.7	21.1
	4		9.5			9.2			8.9			8.5			8.1	
	5		7.6			7.4			7.2			6.8			6.4	
-15	3	39.8	11.4	17.2	38.4	11	18	37.1	10.6	19	35.1	10	19.8	33.2	9.5	20.6
	4		8.5			8.2			7.9			7.5			7.1	
	5		6.8			6.6			6.4			6			5.7	

10.Exploded View

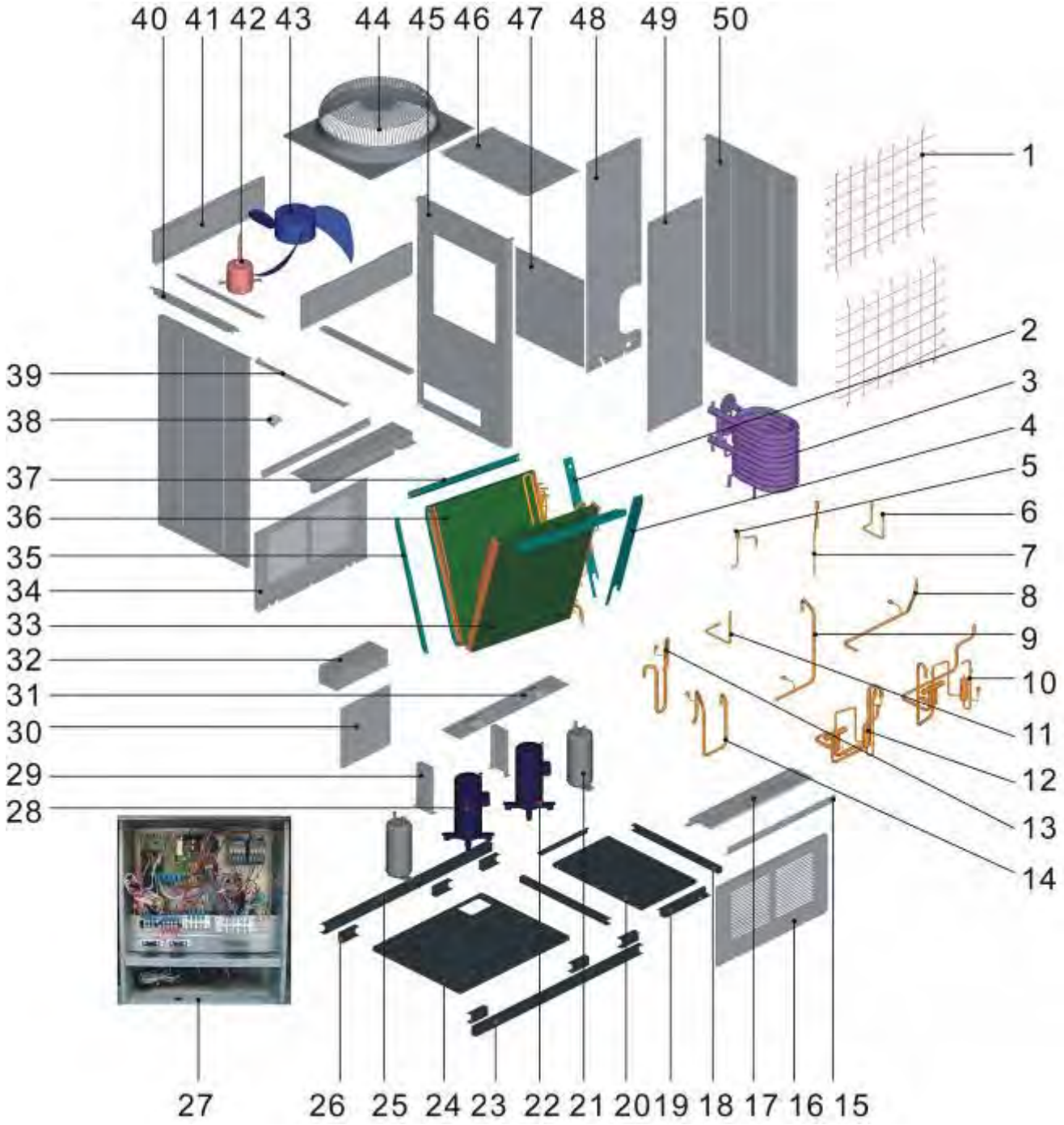
TMCHMOF-25H407W TMCHMOF-30H407W TMCHMOF-35H407W



No.	Part Name	Quantity	No.	Part Name	Quantity
1	Rear—front net	2	24	underpan parts	1
2	Condenser right seal board ass'y	1	25	underpan bracket	1
3	Double-pipe heat exchanger	1	26	Reinforcement bracket	6
4	Condenser right seal board ass'y	1	27	E-part box ass'y	1
5	Input pipe ass'y of B unit	1	27.1	Main control board ass'y	1
5.1	Electronic expansion valve	1	27.2	Relay	2
6	Input pipe ass'y of A unit	1	27.3	Contactor	1
6.1	Filter	1	27.4	Contactor	1
7	Input pipe ass'y of A unit	1	27.5	Transformer	1
7.1	Electronic expansion valve	1	27.6	Wire joint	2
8	Output pipe ass'y of B unit	1	27.7	Wire joint	1

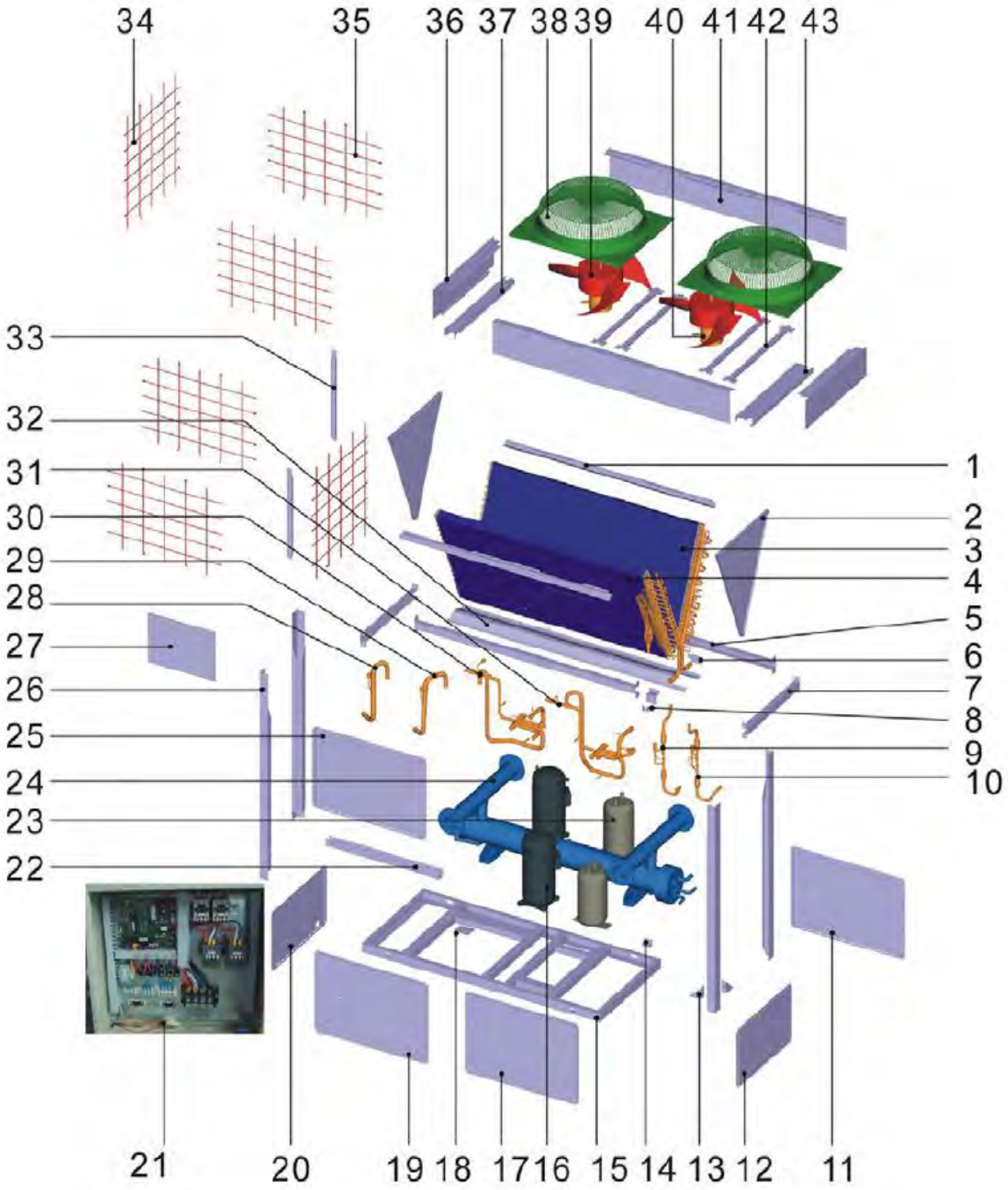
8.1	Pressure controller	1	27.8	Wire joint	4
9	Output pipe ass'y of A unit	1	27.9	Wire joint	1
9.1	Pressure controller	1	27.10	Comp capacitor	1
10	4-Way valve ass'y of A unit	1	28	Drainage pan bracket	2
10.1	4-Way valve	1	29	E-part box cover board	1
10.2	4-Way valve solenoid	1	30	Drainage pan	1
10.3	Muffler	1	31	Prevent water box	1
10.4	Filter	1	32	Condenser of A unit	1
10.5	Pipe joint	1	33	Rear—below cover board	1
10.6	Pressure controller	1	34	Condenser left seal board ass'y	2
11	Input pipe ass'y of B unit	1	35	Condenser of B unit	1
11.1	Filter	1	36	Motor bracket	2
12	4-Way valve ass'y of B unit	1	37	Side seal board	4
12.1	4-Way valve	1	38	Side bracket	2
12.2	4-Way valve solenoid	1	39	Motor bracket	2
12.3	Muffler	1	40	Rear—front cover board	2
12.4	Filter	1	41	Motor	1
12.5	Pipe joint	1	42	Axial flow fan	1
12.6	Pressure controller	1	43	Top cover	1
13	Suction pipe ass'y of A unit	1	44	Partition board	1
13.1	Pressure controller	1	45	Top cover	1
14	Suction pipe ass'y of A unit	1	46	Seal partition board	1
14.1	Pressure controller	1	47	Rear cover board	1
15	Rear-below and front below bracket	2	48	Rear—front cover board	1
16	front-below cover board	1	49	Left—right side board	2
17	comp cover board	2	50	R407C	7Kg
18	Small underpan bracket ass'y	2	51	EEV solenoid	2
19	Small underpan bracket ass'y	2	52	Ambient temp sensor	1
20	Small underpan	1	53	Discharge temp controller	2
21	Separator	2	54	Comp electric heater	2
22	Compressor	2	55	Pipe sensor	6
23	underpan bracket	1	56	Pipe sensor wire	3

TMCHMOD-25H407W TMCHMOD-30H407W TMCHMOD-35H407W



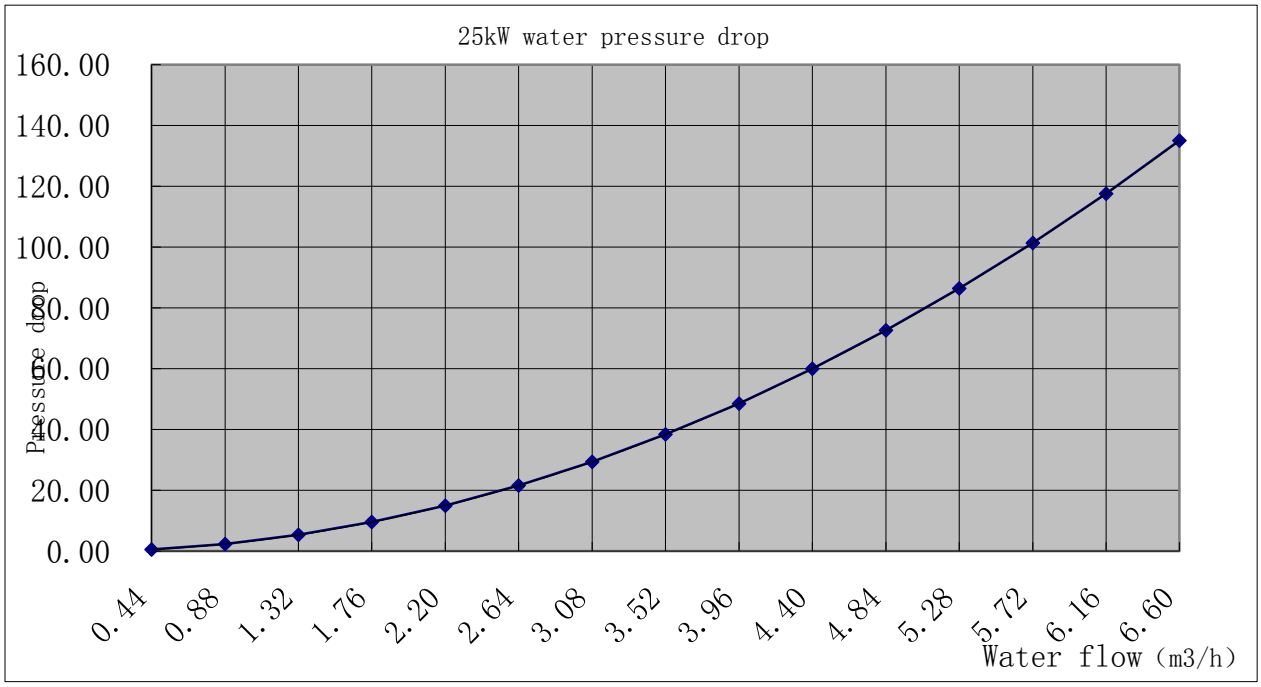
No.	Part Name	Quantity	No.	Part Name	Quantity
1	Rear—front net	2	24	Underpan	1
2	Condenser right seal board ass'y	1	25	Underpan bracket	1
3	Double-pipe heat exchanger	1	26	reinforcement bracket	6
4	Condenser right seal board ass'y	1	27	E-part box ass'y	1
5	Input pipe ass'y of B unit	1	27.1	Main control board ass'y	1
5.1	Electronic expansion valve	1	27.2	Relay	2
6	Input pipe ass'y of A unit	1	27.3	Contactor	1
6.1	Filter	1	27.4	Contactor	1
7	Input pipe ass'y of A unit	1	27.5	Transformer	1
7.1	Electronic expansion valve	1	27.6	Wire joint	2
8	Output pipe ass'y of B unit	1	27.7	Wire joint	1
8.1	Pressure controller	1	27.8	Wire joint	4
9	Output pipe ass'y of A unit	1	27.9	Wire joint	1
9.1	Pressure controller	1	27.10	Compressor capacitor	1
10	4-Way valve ass'y of A unit	1	28	Compressor	1
10.1	4-Way	1	29	Drainage pan bracket	2
10.2	4-Way solenoid	1	30	E-part box cover board	1
10.3	Muffler	1	31	Drainage pan	1
10.4	Filter	1	32	Preventing water box	1
10.5	Pipe joint	1	33	Condenser of A unit	1
10.6	Pressure controller	1	34	Rear-below cover board	1
11	Input pipe ass'y of B unit	1	35	Left seal board ass'y of condenser	2
11.1	Filter	1	36	Condenser of B unit	1
12	4-Way ass'y of B unit	1	37	Motor bracket	2
12.1	4-Way	1	38	side seal board	4
12.2	4-Way solenoid	1	39	Side bracket	2
12.3	Muffler	1	40	Motor bracket	2
12.4	Filter	1	41	Rear-above and front-above cover	2
12.5	Pipe joint	1	42	Motor	1
12.6	Pressure controller	1	43	Axial flow fan	1
13	Suction pipe ass'y of A unit	1	44	Top cover board	1
13.1	Pressure controller	1	45	Partition board	1
14	Suction pipe ass'y of B unit	1	46	Top cover board	1
14.1	Pressure controller	1	47	Seal partition board	1
14.2	Filter	1	48	Rear cover board	1
14.3	Reducing valve	1	49	Rear-front cover board	1
15	Rear—below and front—below bracket	2	50	Left-right side board	2
16	Front—below cover board	1	51	R407C	7Kg
17	comp cover board	2	52	EEV solenoid	2
18	small underpan bracket ass'y	2	53	Ambient sensor	1
19	small underpan bracket ass'y	2	54	Discharge temp sensor	2
20	small underpan	1	55	Comp electric heater	1
21	Accumulater cylinder	2	56	Pipe sensor	6
22	compressor	1	57	Pipe sensor wire	3
23	Underpan bracket	1	58	Comp electric heater	1

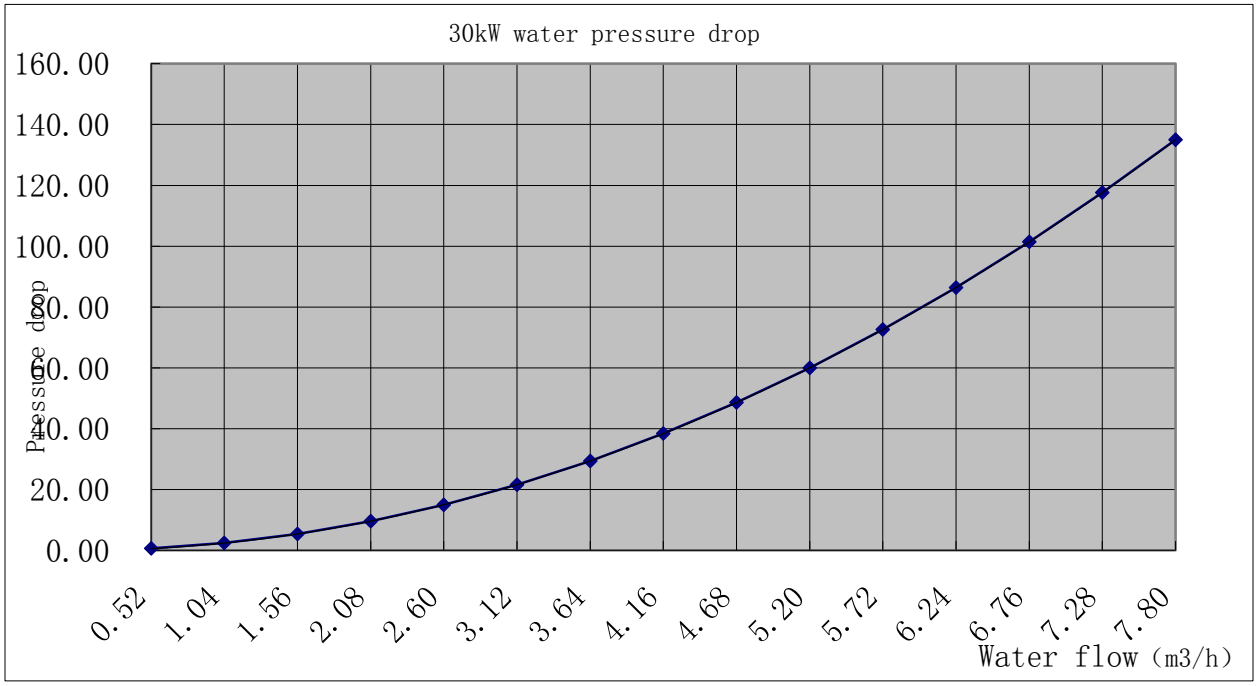
TMCHMOF-55H407W TMCHMOF-60H407W TMCHMOF-65H407W

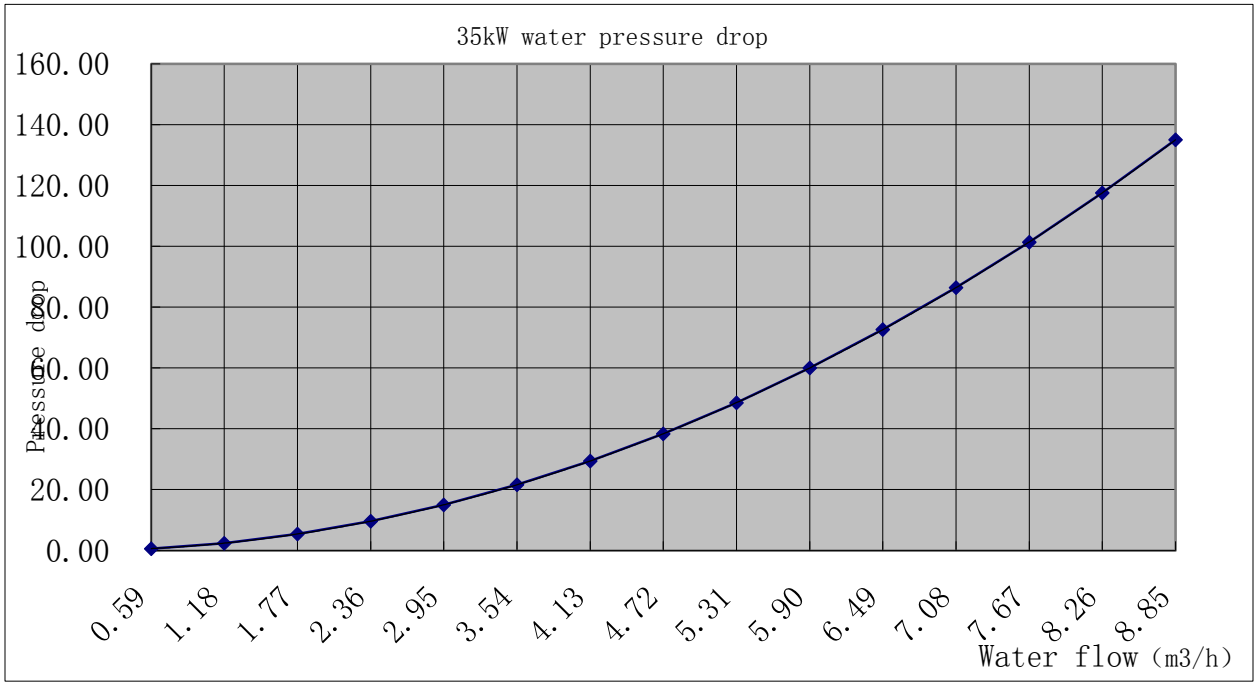


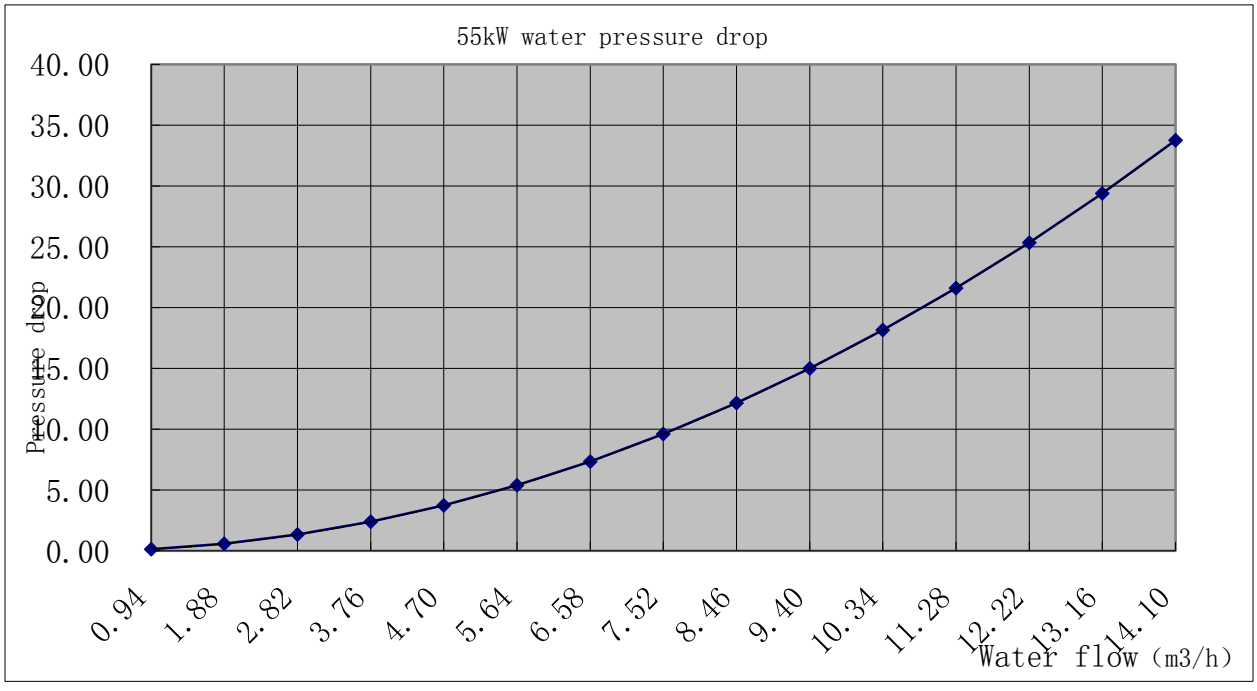
No.	Part Name	Quantity	No.	Part Name	Quantity
1	Condenser fixing board ass'y	2	21.8	Wire joint	1
2	Condenser seal board	2	21.9	Main control board ass'y	1
3	Condenser ass'y of A unit	1	22	Wire connecting groove	0.5
3.1	Condenser of A unit	1	23	Separator	2
3.2	Fluted pipe ass'y of A unit	1	24	Shell and tube evaporator	1
3.3	Condenser distributor ass'y of A unit	1	25	Cover board	1
4	Condenser ass'y of B unit	1	26	Pole	4
4.1	Condenser of B unit	1	27	E-part box door	1
4.2	Fluted pipe ass'y of B unit	1	28	Suction pipe ass'y of A unit	1
4.3	Condenser distributor ass'y of B unit	1	28.1	Low pressure switch	1
5	Beam	2	29	Suction pipe ass'y of B unit	1
6	Fixing board	2	29.1	Low pressure switch	1
7	Beam	2	30	4-way valve ass'y of A unit	1
8	Pipe clamp	2	30.1	4-way valve	1
9	Evaporator input pipe ass'y of A unit	1	30.2	Pipe joint	2
9.1	Strainer	2	30.3	Pressure controller	1
9.2	Electronic expansion valve	1	30.4	Pressure controller	1
9.3	Capillary	1	30.5	Solenoid	1
9.4	EEV solenoid	1	31	4-way valve ass'y of B unit	1
10	Evaporator input pipe ass'y of B unit	1	31.1	4-way valve	1
10.1	Strainer	2	31.2	Pipe joint	2
10.2	Electronic expansion valve	1	31.3	Pressure controller	1
10.3	Capillary	1	31.4	Pressure controller	1
10.4	EEV solenoid	1	31.5	Solenoid	1
11	left-front cover board	1	32	Drainage pan	1
12	Left cover board	1	33	Partition board	2
13	Reinforcement	8	34	Left-right net	2
14	Strengthen board	4	35	Rear—front net	4
15	Base weldment	1	36	Top bracket beam	2
16	Compressor	2	37	Condenser seal connecting joint II	1
17	Cover board	1	38	Top cover	2
18	Fixing board	1	39	Axial flow fan	2
19	Cover board	1	40	Motor	2
20	Right cover board	1	41	Beam	2
21	E-part box ass'y	1	42	Motor bracket	4
21.1	Relay	2	43	Condenser seal connecting joint I	1
21.2	AC contactor	2	44	Compressor electric heater	2
21.3	AC contactor	2	45	Discharge temp. sensor	2
21.4	Transformer	1	46	Room temp. sensor	1
21.5	Wire joint	2	47	Pipe temp. sensor	2
21.6	Wire joint	1	48	Pipe temp. sensor	1
21.7	Wire joint	3	49	Pipe temp. sensor	3

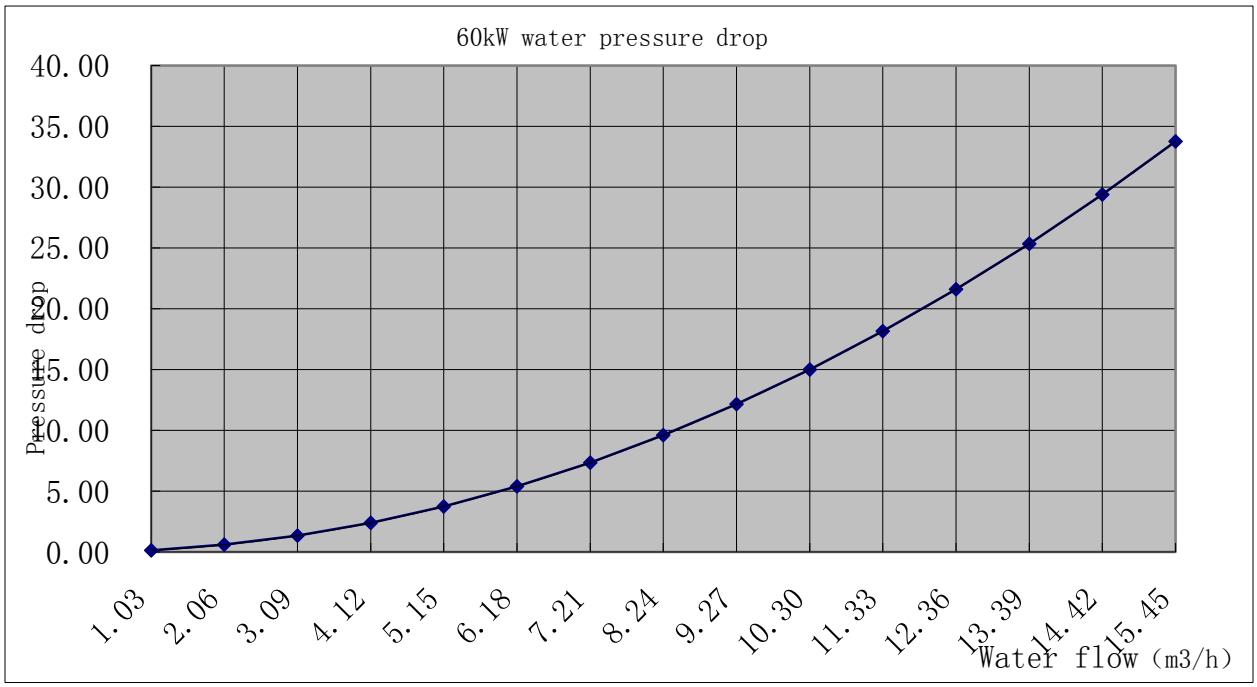
11.Flow-Pressure Curves

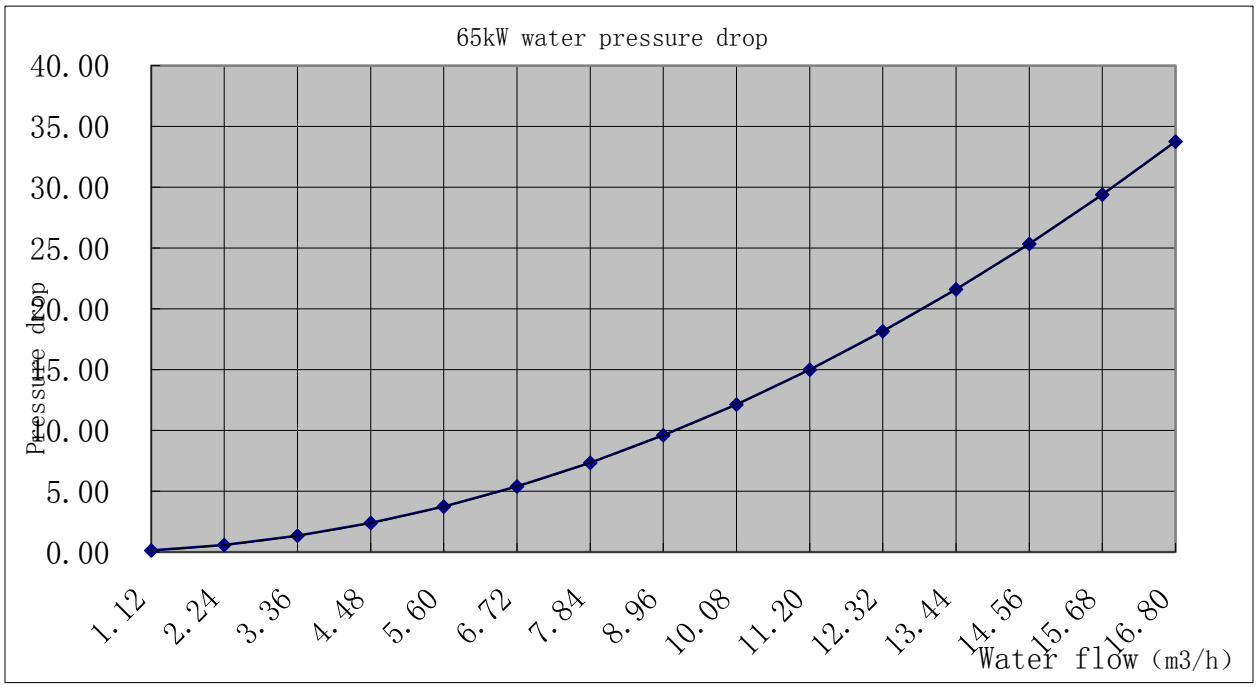





35kW water pressure drop
160.00
140.00
120.00
100.00
80.00
60.00
40.00
20.00
0.00
Pressure drop
0.59
1.18
1.77
2.36
2.95
3.54
4.13
4.72
5.31
5.90
6.49
7.08
7.67
8.26
8.85
Water flow (m3/h)


55kW water pressure drop
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Pressure drop
0.94
1.88
2.82
3.76
4.70
5.64
6.58
7.52
8.46
9.40
10.34
11.28
12.22
13.16
14.10
Water flow (m3/h)


60kW water pressure drop
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Pressure drop
1.03
2.06
3.09
4.12
5.15
6.18
7.21
8.24
9.27
10.30
11.33
12.36
13.39
14.42
15.45
Water flow (m3/h)


65kW water pressure drop
40.00
35.00
30.00
25.00
20.00
15.00
10.00
5.00
0.00
Pressure drop
1.12
2.24
3.36
4.48
5.60
6.72
7.84
8.96
10.08
11.20
12.32
13.44
14.56
15.68
16.80
Water flow (m3/h)

TRUST

Air Conditioning Systems

Cooling & Heating

TRUST AIR-CONDITIONING EQUIPMENT CO.
Shiraz office: 8 th floor, Alvand Blog., Dostan St.,
Moaliabad Ave., SHIRAZ, IRAN., Post code: 71877-14446
Tel.: +98-71-36341070
Fax.: +98-71-36341094
Tehran office: No. 19- koohe nour St.- Motahhari St.-
TEHRAN, IRAN., Post code: 15876-73111
Tel.: +98-21-89389
Fax.: +98-21-88541903
Ahwaz office: No. 309- Kaveh St.- AHWAZ, IRAN., Post code: 61939-47911
Tel.: +98-61-32230647-8
Fax.: +98-61-32230647
E-mail: info@trustacs.com
Web site: http://www.trustacs.com

برند برتر در اولین جشنواره بین المللی
برترین نام و نشان های تجاری ایران

ISO 9001 REGISTERED
DNV
MGMT. SYS.
RvA C 024