

R32

Zubadan Inverter mit Hydromodul bzw. Speichermodul (Heizen/Kühlen)

Monoblock-System



Beschreibung

Luft/Wasser-Wärmepumpe in Monoblock-Bauweise für Heizung, Kühlung und Trinkwassererwärmung im flexiblen System. Optimal aufeinander abgestimmte Außen- und Innengeräte mit SG-Ready-Zertifizierung und höchster ErP-Effizienzklasse A+++ (Niedertemperaturanwendung). Ideal geeignet für anspruchsvolle Systeme in Neubau und Modernisierung. Schnelle Installation von Außen- und Innengerät.

Eigenschaft/Merkmale/Ausstattung

Leistungsgeregelter Verdichter (Inverter) mit patentierter Zubadan-Technologie. Flash-Gas-Einspritzung mit HIC-Unterkühlerkreis und drei elektronische Expansionsventile sowie Power Receiver. Integrierter Wärmepumpenregler FTC6, externe Datenschnittstelle, SD-Speicherkarte, Hoch-effizienzpumpe, Elektroheizstab, Volumenstromsensor, Sicherheitsarmaturen, Manometer und Entlüfter. 2 Heizkreise, separat regelbar (gemischt und/oder ungemischt), Einbindung Bivalent-Wärmeerzeuger.

Bei Kombinationen mit Speichermodul:

200- oder 300-Liter-Trinkwarmwasserspeicher (Edelstahl), Trinkwarmwasser-Umschaltventil, Sicherheitsgruppe, TWW-Plattenwärmetauscher und Speicherladepumpe.

Regelungsarten: Vorlauftemperatur, Heizkurve oder Raumtemperatur* (Autoadaptation) wahlweise einstellbar

Nutzen

- Großer Einsatzbereich des Außengerätes bis -28°C Außentemperatur
- Einfache Auslegung für monovalente oder monoenergetische Betriebsweise
- Schnelle Installation und einfache Systemkonfiguration/-überwachung mit Installationsassistent und SD-Karte (Lieferumfang)
- Flexible Anpassung der Regelung an unterschiedliche Systemanforderungen
- Höherer Komfort und bessere Effizienz durch optimale Raumtemperatur
- Einfache Aufstellung und platzsparende Installation im Hauswirtschaftsraum
- Angenehmes Raumklima durch effiziente Kühlung im Sommer

Vorteile

- Volle Heizleistung bis -15°C Außentemperatur
- Hohe Jahresarbeitszahl durch bedarfsgerechte Leistungsabgabe
- Max. Leistung und großer Einsatzbereich
- Max. Vorlauftemperatur 60°C und 55°C bei -15°C Außentemperatur
- Kompaktes Hydromodul mit anschlussfertigen Komponenten
- Wahlweise Systemsteuerung per Internet-App MELCloud oder ModBus-Protokoll möglich
- Energie-Monitoring durch integrierte Wärmemengenerfassung
- Optimiertes Betriebsverhalten durch Auto-Adaptfunktion
- Schnelle und hocheffiziente Warmwasserbeladung durch neue Ladetechnik (Speichermodul)

* weiteres Zubehör notwendig



PUZ-HWM140YHA

ERPX-YM9D

Zubadan Inverter mit Hydromodul (Heizen/Kühlen)Zubadun Iver

Technische Daten

Bezeichnung Set		Wärmepumpen-Set 14.0	
Heizbetrieb¹			
Nenn-Wärmeleistung / COP (A2 / W35)	kW	14,0	
Wärmeleistung (A-15 / W35)	kW	14,0	
Leistungsbereich min./max. (A2 / W35)		5,1 - 16,3	
Mitteltemperaturanwendung (55 °C)²			
Jahreszeitbedingte Energieeffizienz Raumheizung ηs	%	133	
Energieeffizienzklasse (A+++ bis D)		A++	
Niedertemperaturanwendung (35 °C)²			
Jahreszeitbedingte Energieeffizienz Raumheizung ηs	%	178	
Energieeffizienzklasse (A+++ bis D)		A+++	
Kühlbetrieb			
Kühlleistung / EER (A35 / W7)	kW / -	11,9 / 3,0	
Kühlleistung / EER (A35 / W18)	kW / -	11,1 / 4,1	
Außengerätetyp		PUZ-HWM140YHA	
Abmessungen Außengerät (mm)	B / T / H	1020 / 330 / 1350	
Einsatzbereich Heizbetrieb	°C	-28 ~ +21	
Einsatzbereich Kühlbetrieb	°C	+10 ~ +46	
Schallleistungspegel Tag/Nacht	dB (A)	67/62	
Schalldruckpegel³	dB (A)	53	
Gewicht	kg	143	
Spannungsversorgung	Phase I V I Hz	3/400/50	
Kältemitteltyp /-menge (kg) / max. Menge (kg)		R32 / 3,3 / 3,3	
WP / CO₂-Äquivalent (t) / CO₂-Äquivalent max. (t)		675 / 2,2275 / 2,2275	
Innengerätetyp		ERPX-YM9D	
Abmessungen (mm)	B / T / H	530 / 360 / 800	
Schallleistungspegel [EN12102]	dB (A)	40	
Max. Vorlauftemperatur	°C	60	
Gewicht	kg	39	
Spannungsversorgung	Phase I V I Hz	3 400 50	
Leistung E-Heizstab	kW	3 6 9	
Heizungstechnische Anschlüsse VL / RL	Ø mm	28	
Bestell- / Artikel-Nr.		575702	

¹ nach EN 14511² bei durchschnittlichen Klimaverhältnissen³ 1 m Freifeldmessung

R32

Power Inverter mit Hydromodul bzw. Speichermodul (Heizen/Kühlen)

Monoblock-System



Beschreibung

Luft/Wasser-Wärmepumpe in Monoblock-Bauweise für Heizung und Trinkwassererwärmung im kompakten System. Optimal aufeinander abgestimmte Außen- und Innengeräte mit SG-Ready-Zertifizierung und höchster ErP-Effizienzklasse A+++ (Niedertemperaturanwendung). Ideal geeignet für einfache Systeme in Neubau und Modernisierung. Schnelle Installation von Außen- und Innengerät.

Eigenschaft / Merkmale / Ausstattung

Leistungsgeregelter Verdichter (Inverter) mit zwei elektronischen Expansionsventilen sowie Power Receiver. Integrierter Wärmepumpenregler FTC6, externe Datenschnittstelle, SD-Speicherkarte, Hocheffizienzpumpe, Elektroheizstab, Volumenstromsensor, Sicherheitsarmaturen, Manometer und Entlüfter. 2 Heizkreise separat regelbar (gemischt und/oder ungemischt), Einbindung Bivalent-Wärmeerzeuger.

Bei Kombinationen mit Speichermodul:

200- oder 300-Liter-Trinkwarmwasserspeicher (Edelstahl), Trinkwarmwasser-Umschaltventil, Sicherheitsgruppe, TWW-Plattenwärmetauscher und Speicherladepumpe.

Regelungsarten: Vorlauftemperatur, Heizkurve oder Raumtemperatur* (Autoadaptation) wahlweise einstellbar

Nutzen

- Großer Einsatzbereich des Außengerätes bis -20°C Außentemperatur (-25°C bei PUZ-WM112YAA)
- Einfache Auslegung für monovalente oder monoenergetische Betriebsweise
- Hoher Warmwasserkomfort und kostensparende Warmwasserbereitung
- Einfache Systemkonfiguration/-überwachung durch SD-Karte (Lieferumfang)
- Einfache Aufstellung und platzsparende Installation im Hauswirtschaftsraum
- Flexible Anpassung der Regelung an unterschiedliche Systemanforderungen
- Höherer Komfort und bessere Effizienz durch optimale Raumtemperatur
- Angenehmes Raumklima durch effiziente Kühlung im Sommer

Vorteile

- Hohe Jahresarbeitszahl durch bedarfsgerechte Leistungsabgabe
- Max. Leistung und großer Einsatzbereich
- Max. Vorlauftemperatur 60°C und 55°C bei -15°C Außentemperatur
- Kompaktes Speichermodul mit anschlussfertigen Komponenten und geringem Platzbedarf
- Wahlweise Systemsteuerung per Internet-App MELCloud oder ModBus-Protokoll möglich
- Energie-Monitoring durch integrierte Wärmemengenerfassung
- Optimiertes Betriebsverhalten durch Auto-Adaptfunktion

* weiteres Zubehör notwendig



PUZ-WM50



PUZ-WM60/85/112



ERPX-YM9D

Power Inverter mit Hydromodul (Heizen/Kühlen)

Monoblock-System

Technische Daten

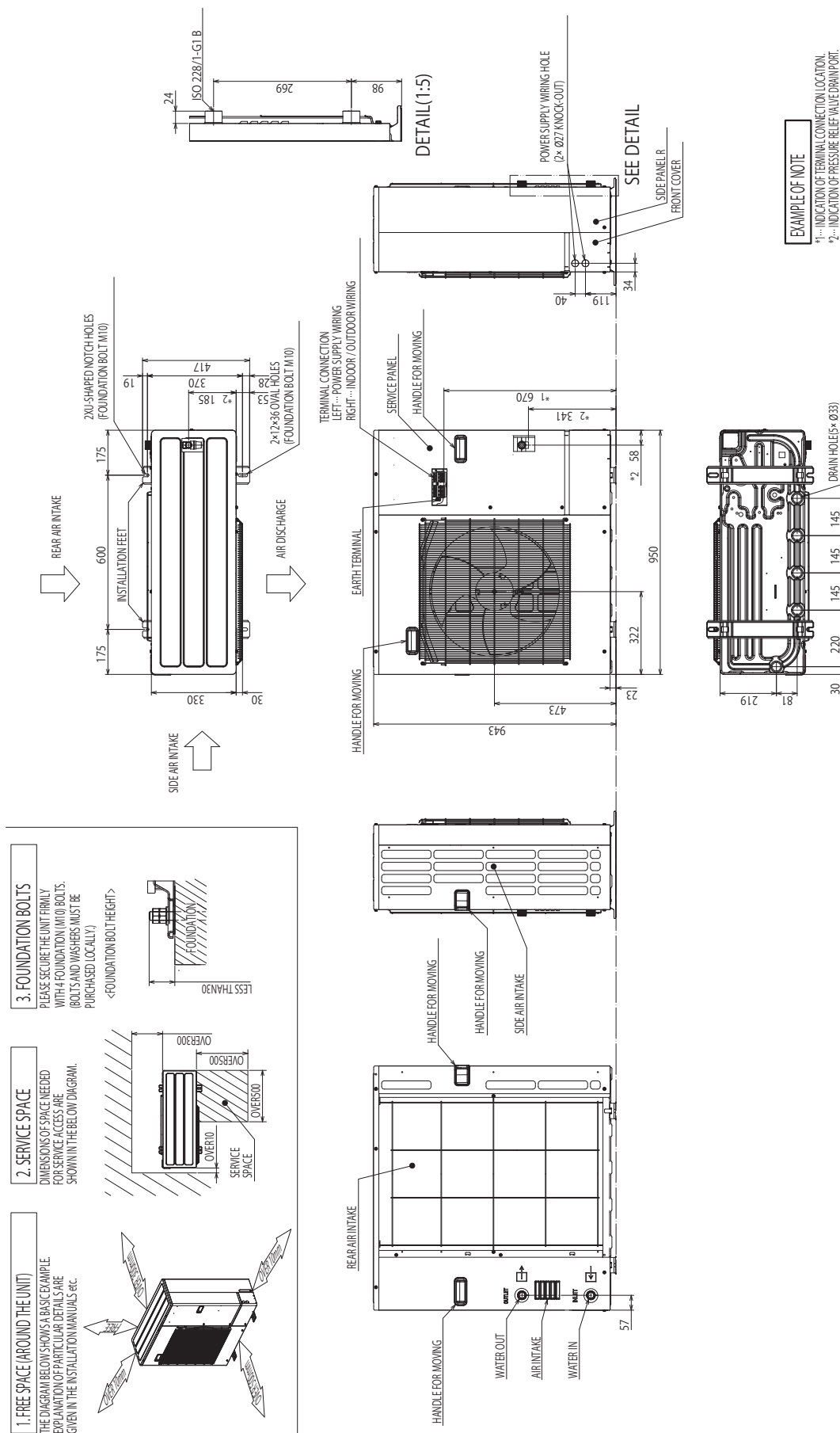
Bezeichnung Set		Wärmepumpen-Set 5.00	Wärmepumpen-Set 6.00	Wärmepumpen-Set 8.50	Wärmepumpen-Set 11.2
Heizbetrieb¹					
Nenn-Wärmeleistung / COP (A2 / W35)	kW	5,0	6,0	8,5	11,2
Wärmeleistung (A-15 / W35)	kW	3,9	5,3	7,3	8,4
Leistungsbereich min./max. (A2 / W35)		2,5 - 5,4	3,4 - 7,1	3,4 - 9,7	4,2 - 12,5
Mitteltemperaturanwendung (55 °C)²					
Jahreszeitbedingte Energieeffizienz Raumheizung η_s	%	133	145	141	136
Energieeffizienzklasse (A+++ bis D)		A++	A++	A++	A++
Niedertemperaturanwendung (35 °C)²					
Jahreszeitbedingte Energieeffizienz Raumheizung η_s	%	190	197	197	195
Energieeffizienzklasse (A+++ bis D)		A+++	A+++	A+++	A+++
Kühlbetrieb					
Kühlleistung / EER (A35 / W7)	kW / -	4,5 / 3,4	6,0 / 3,3	7,5 / 3,15	10,0 / 3,3
Kühlleistung / EER (A35 / W18)	kW / -	4,5 / 5,0	6,0 / 4,45	7,5 / 4,9	10,0 / 4,9
Außengerätetyp					
Abmessungen Außengerät (mm)	B / T / H	950 / 330 / 923	1050 / 480 / 1020	1050 / 480 / 1020	1050 / 480 / 1020
Einsatzbereich Heizbetrieb	°C	-20 ~ +24	-20 ~ +24	-20 ~ +24	-25 ~ +24
Einsatzbereich Kühlbetrieb	°C	+10 ~ +46	+10 ~ +46	+10 ~ +46	+10 ~ +46
Schallleistungspegel Tag/Nacht	dB (A)	61/59	58/54	58/54	60/55
Schalldruckpegel ³	dB (A)	52	45	45	47
Gewicht	kg	71	98	111	132
Spannungsversorgung	Phase V Hz	1 230 50	1 230 50	3 400 50	3 400 50
Kältemitteltyp / -menge (kg) / max. Menge (kg)		R32 / 2,0 / 2,0	R32 / 2,2 / 2,2	R32 / 2,2 / 2,2	R32 / 2,9 / 2,9
WP / CO ₂ -Äquivalent (t) / CO ₂ -Äquivalent max. (t)		675 / 1,35 / 1,35	675 / 1,485 / 1,485	675 / 1,485 / 1,485	675 / 2,025 / 2,025
Innengerätetyp					
Abmessungen (mm)	B / T / H	530 / 360 / 800	530 / 360 / 800	530 / 360 / 800	530 / 360 / 800
Schallleistungspegel [EN12102]	dB (A)	40	40	40	40
Max. Vorlauftemperatur	°C	60	60	60	60
Gewicht	kg	39	39	39	39
Spannungsversorgung	Phase V Hz	3 400 50	3 400 50	3 400 50	3 400 50
Leistung E-Heizstab	kW	3 6 9	3 6 9	3 6 9	3 6 9
Heizungstechnische Anschlüsse VL / RL	Ø "	28	28	28	28
Bestell- / Artikel-Nr.					

¹ nach EN 14511² bei durchschnittlichen Klimaverhältnissen³ 1 m Freifeldmessung

(1)Packaged-type units

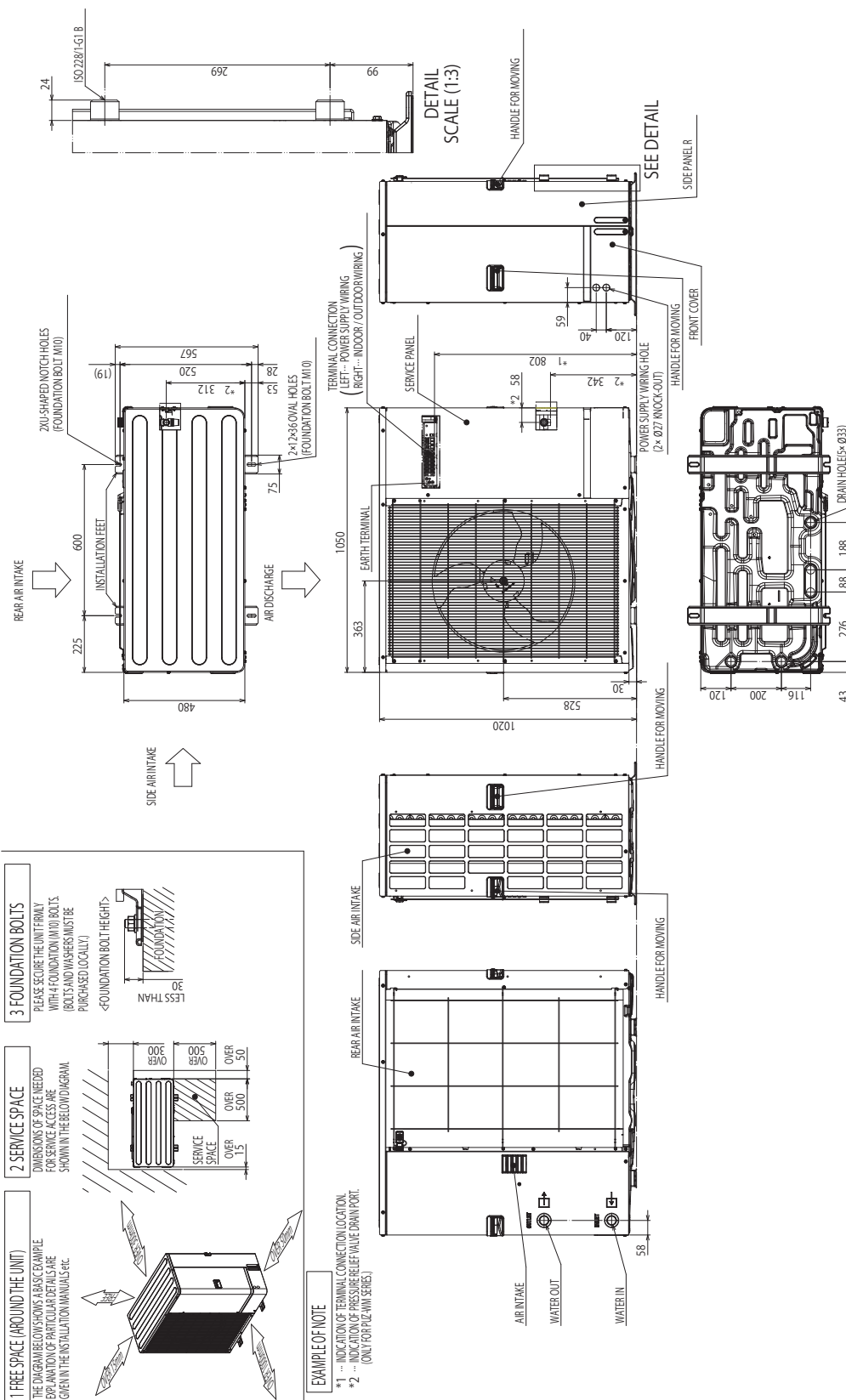
■ PUZ-WM50VHA
PUZ-WM50VHA-BS

Unit : mm



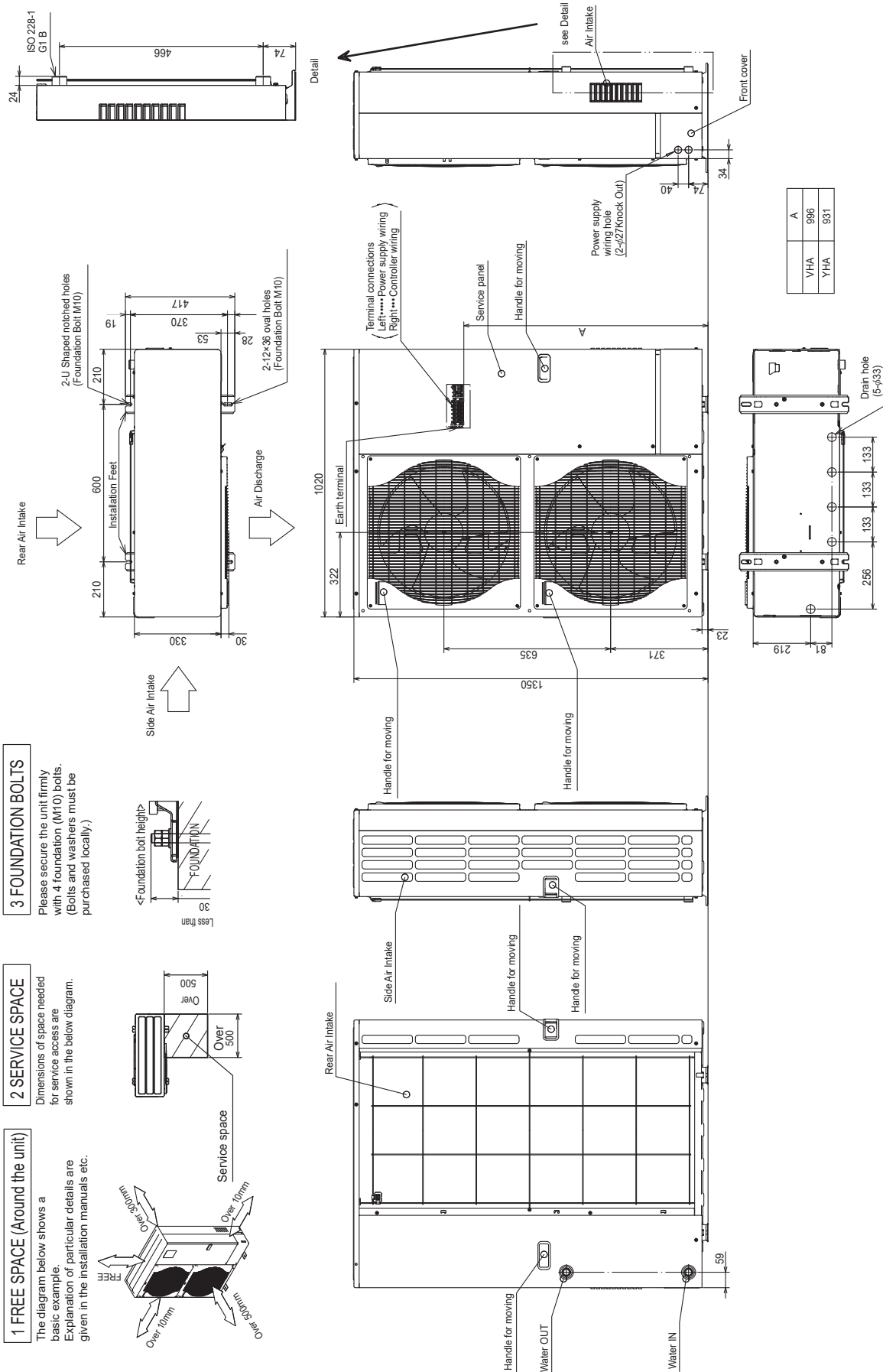
Unit : mm

- PUZ-WM60VAA(-BS)
- PUZ-WM85VAA(-BS)
- PUZ-WM85YAA(-BS)
- PUZ-WM112VAA(-BS)
- PUZ-WM112YAA(-BS)



■ PUZ-HWM140VHA(-BS) PUZ-HWM140YHA(-BS)

Unit : mm

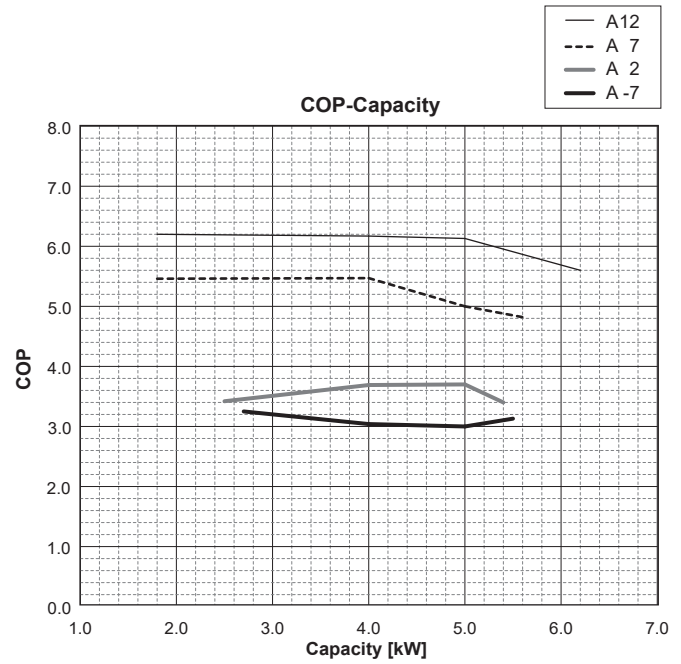
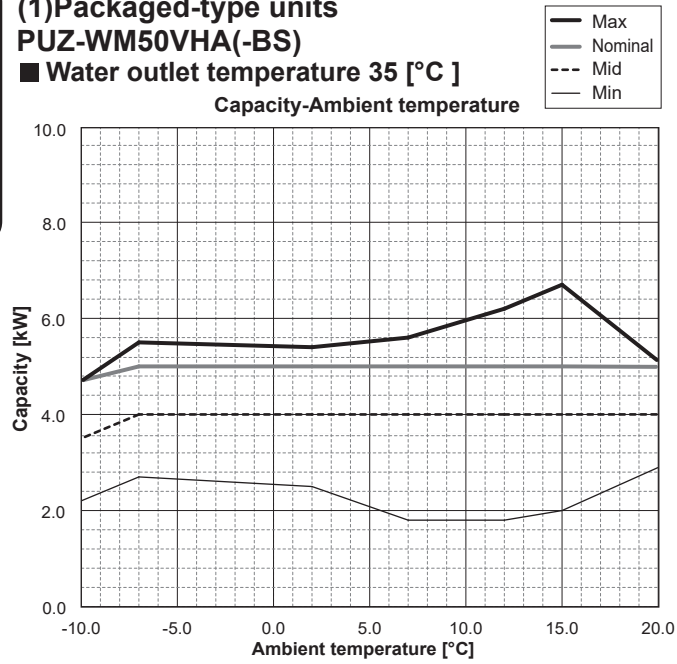


5.3 Part load chart

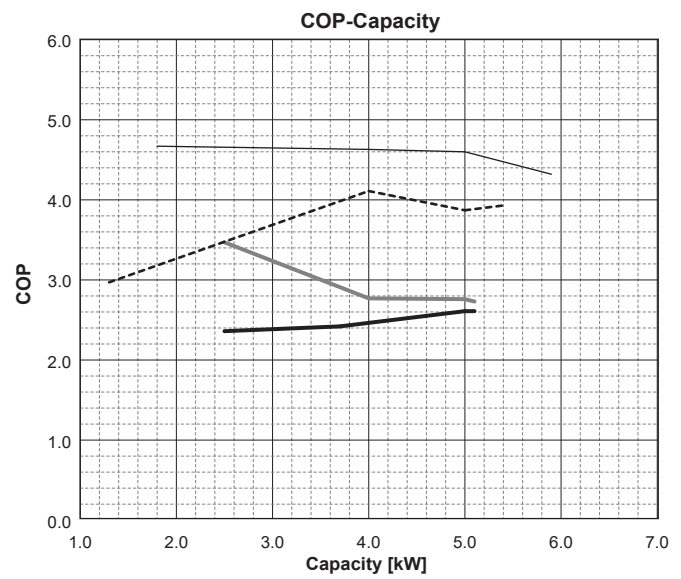
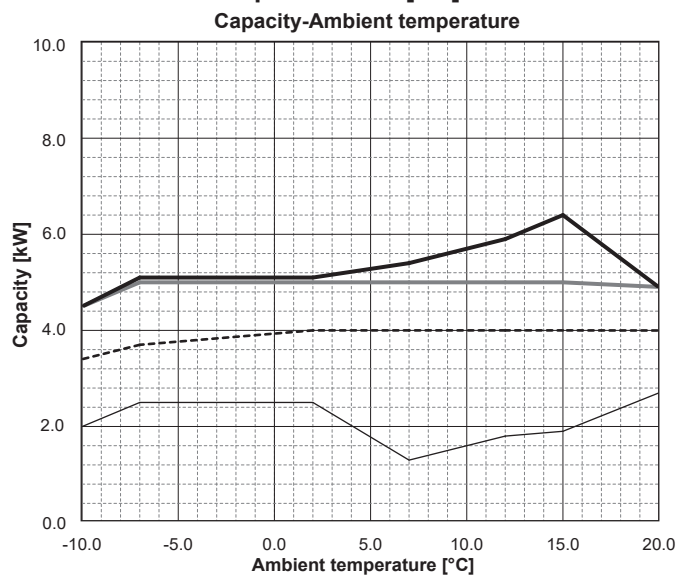
(1) Packaged-type units

PUZ-WM50VHA(-BS)

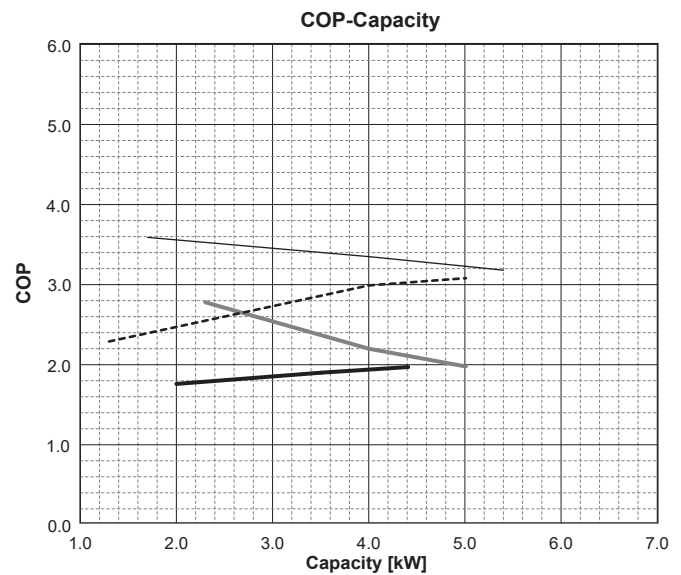
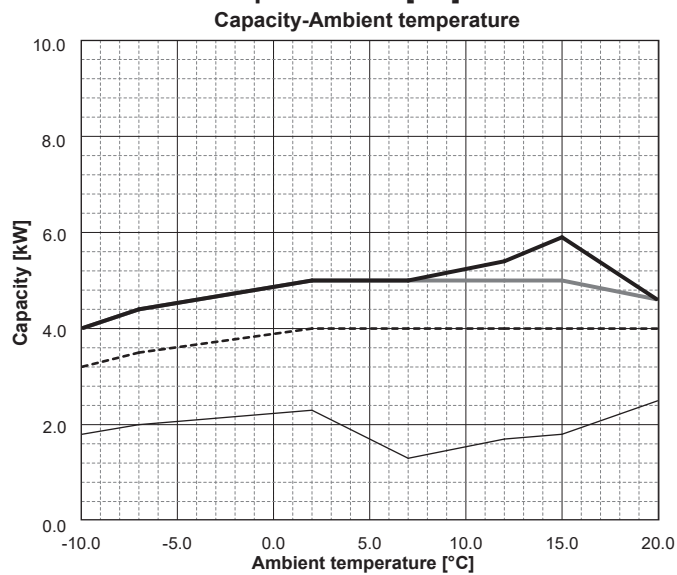
■ Water outlet temperature 35 [°C]



■ Water outlet temperature 45 [°C]

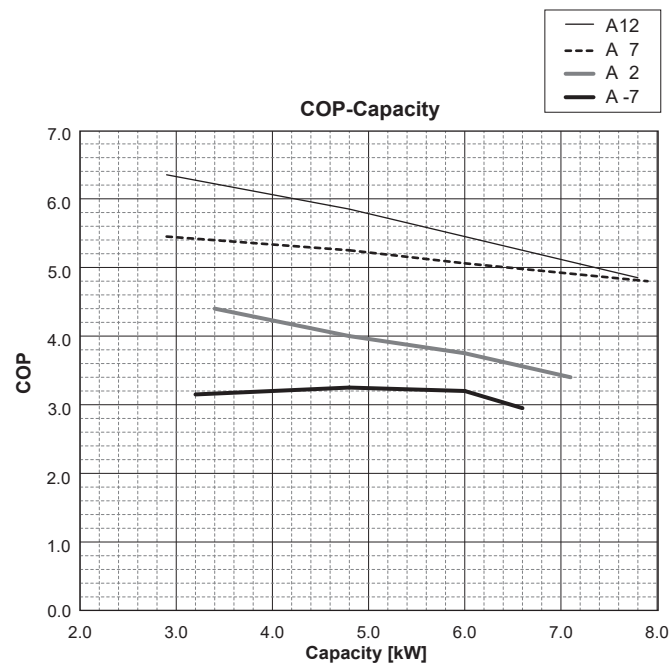
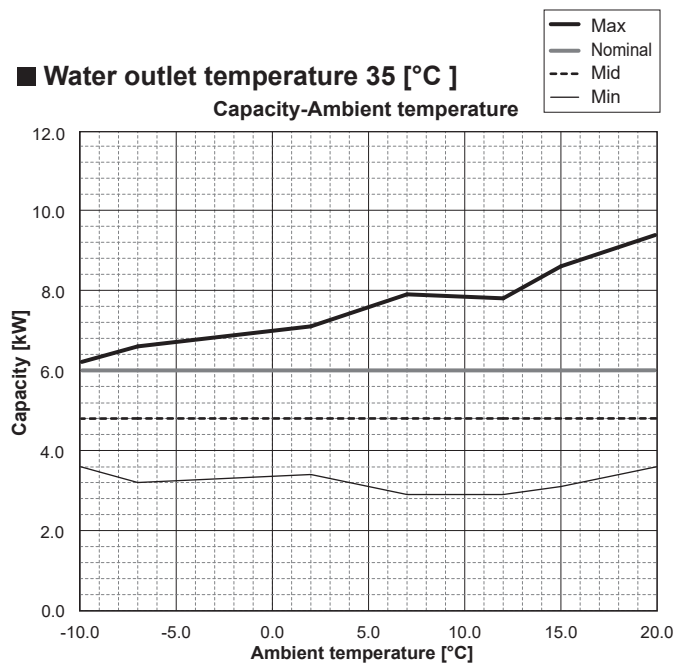


■ Water outlet temperature 55 [°C]

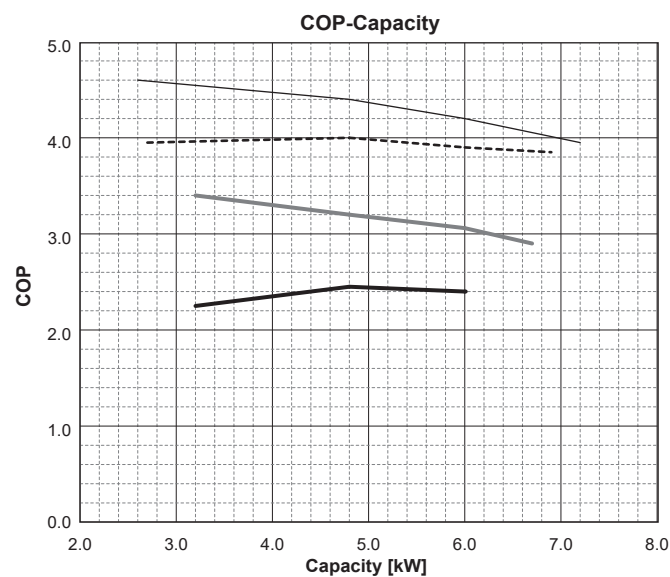
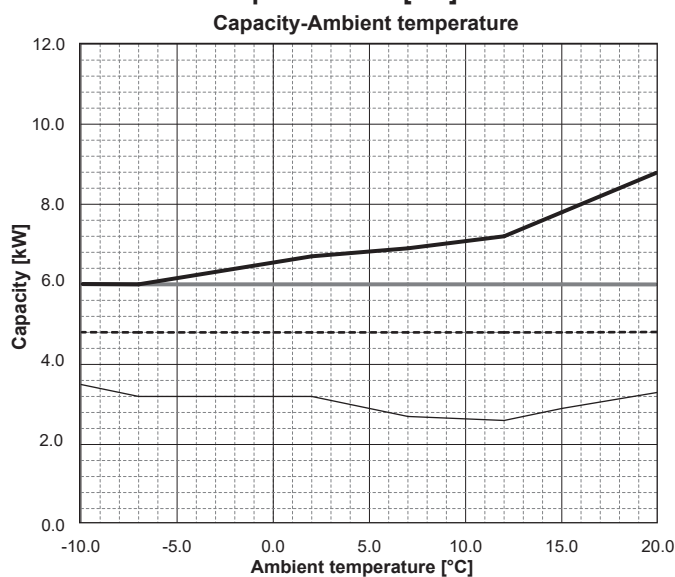


PUZ-WM60VAA(-BS)

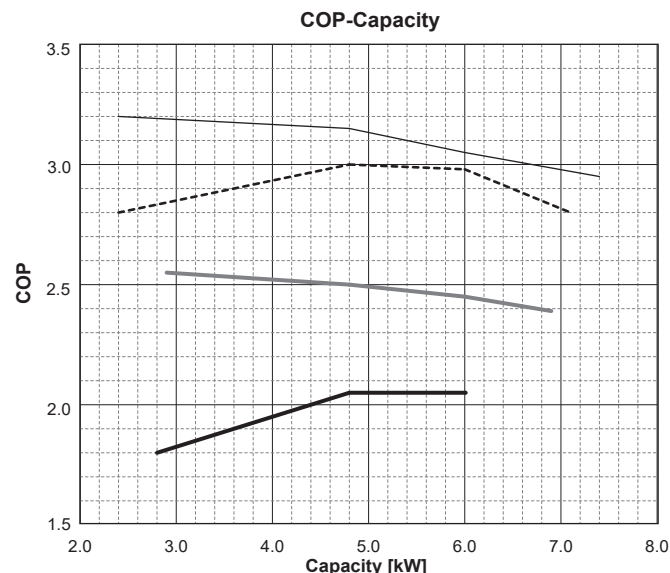
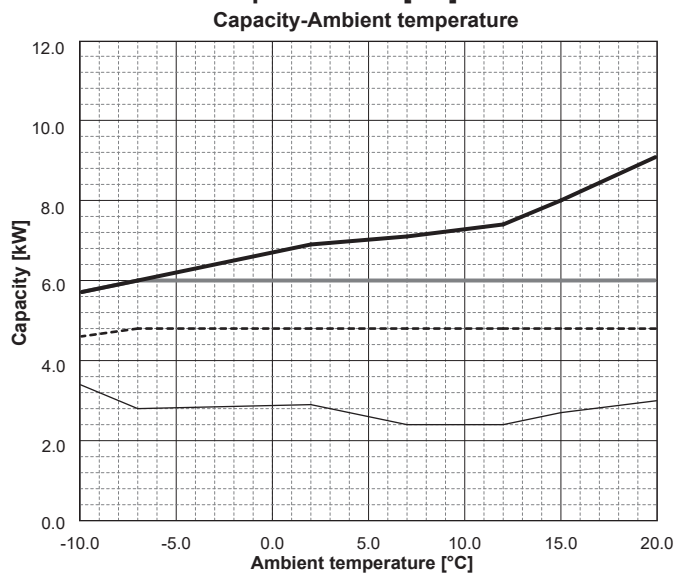
Water outlet temperature 35 [°C]



Water outlet temperature 45 [°C]



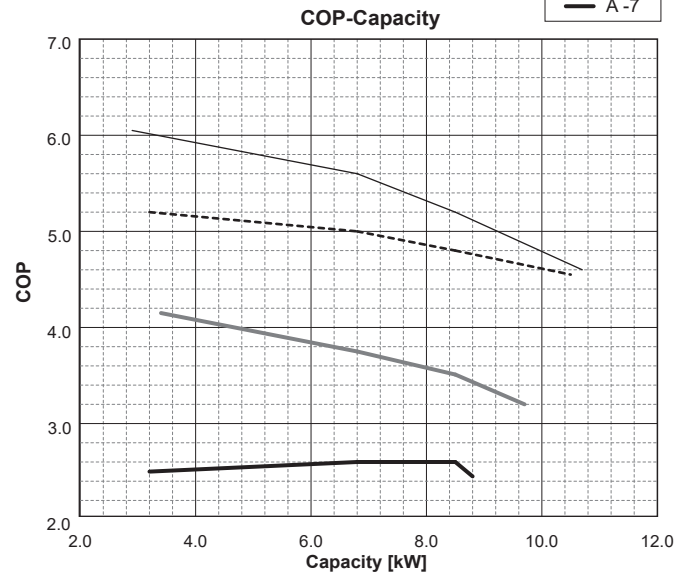
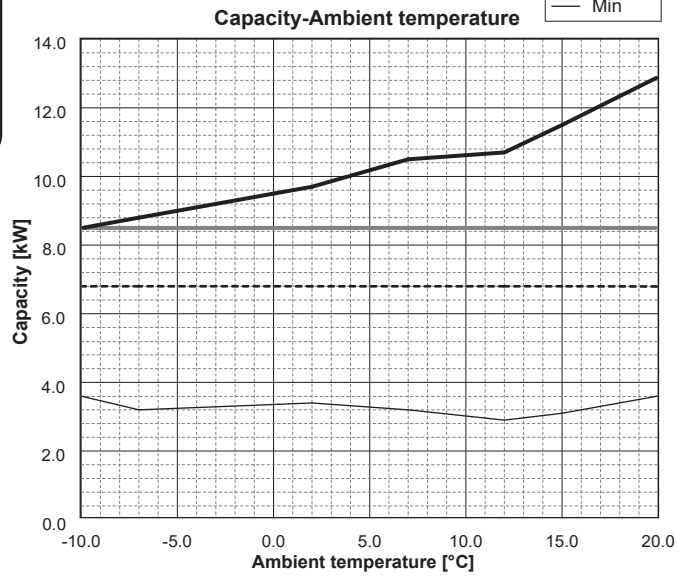
Water outlet temperature 55 [°C]



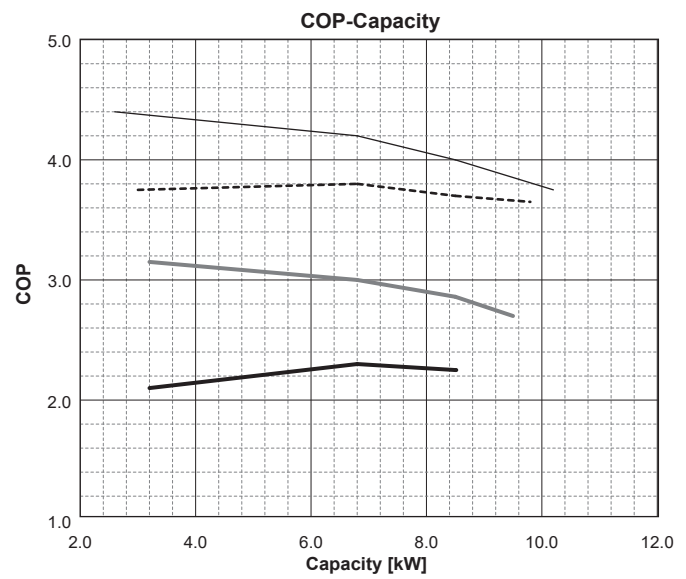
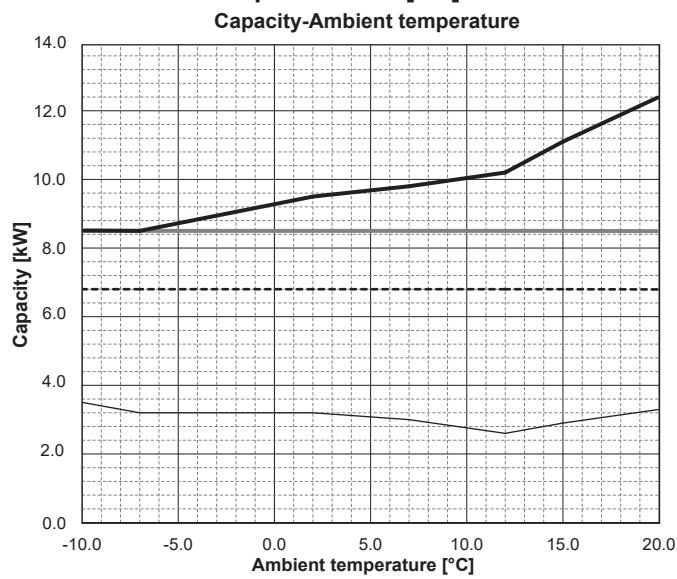
PUZ-WM85VAA(-BS)

PUZ-WM85YAA(-BS)

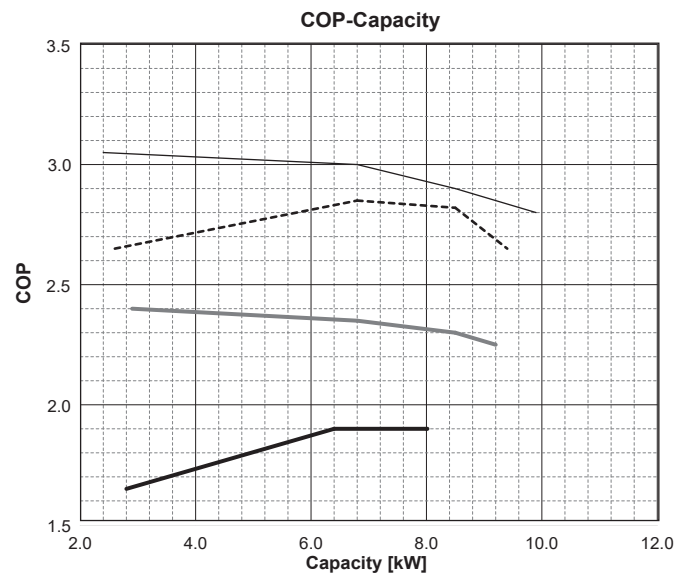
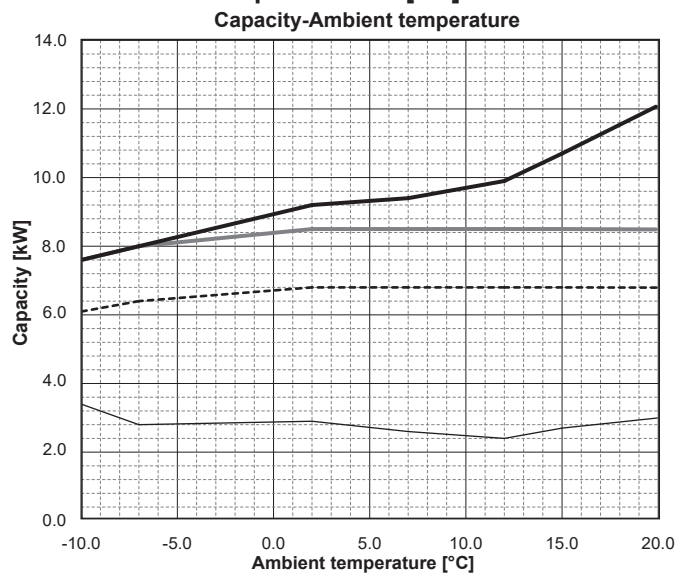
■ Water outlet temperature 35 [°C]



■ Water outlet temperature 45 [°C]



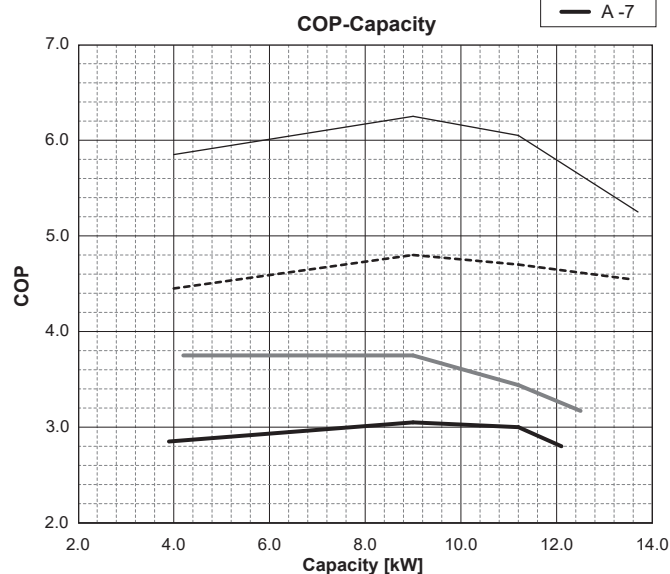
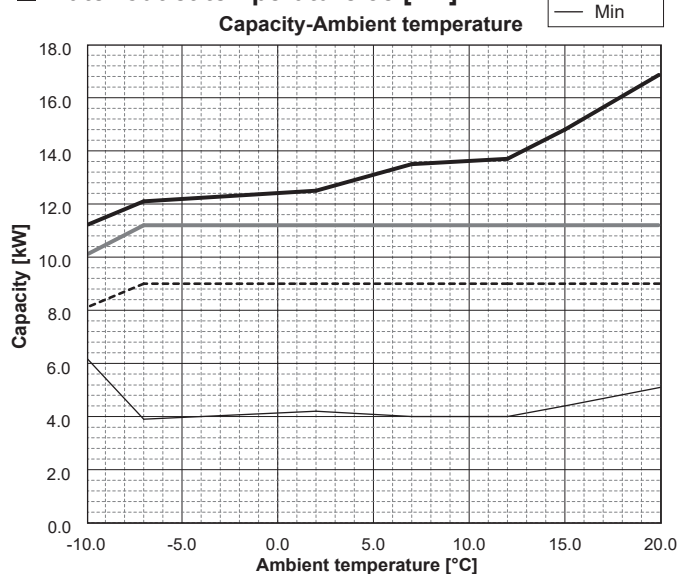
■ Water outlet temperature 55 [°C]



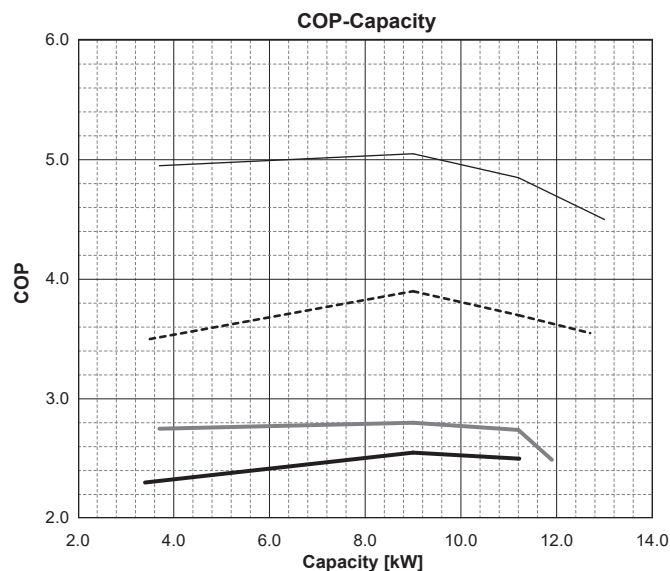
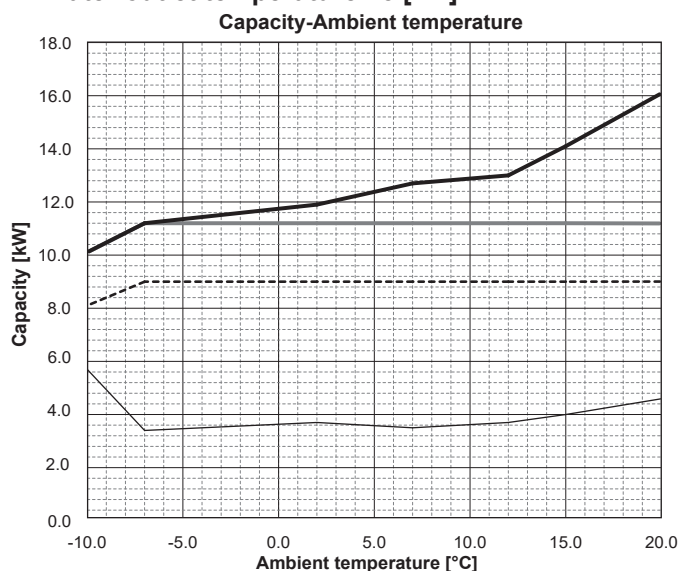
PUZ-WM112VAA(-BS)

PUZ-WM112YAA(-BS)

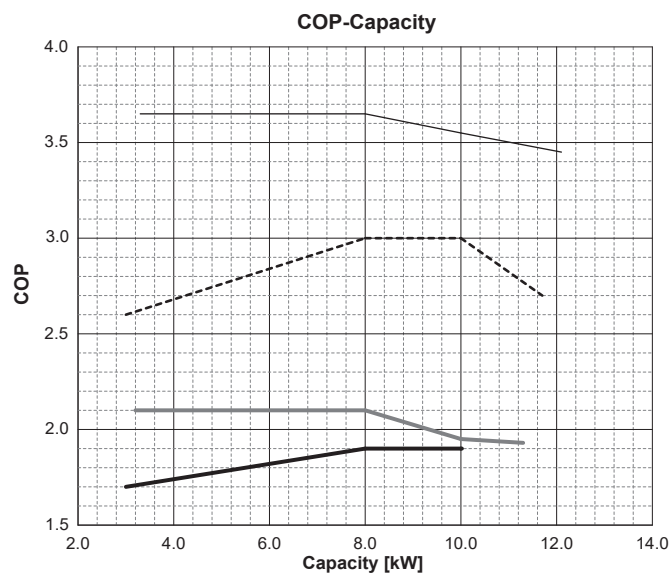
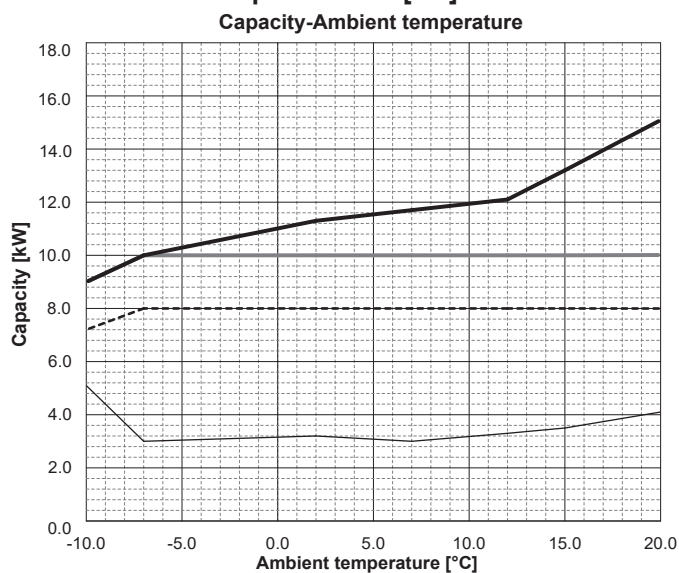
Water outlet temperature 35 [°C]



Water outlet temperature 45 [°C]



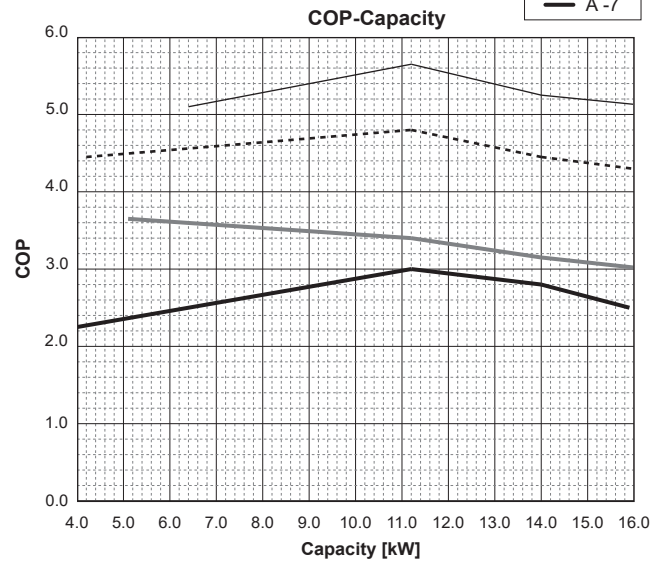
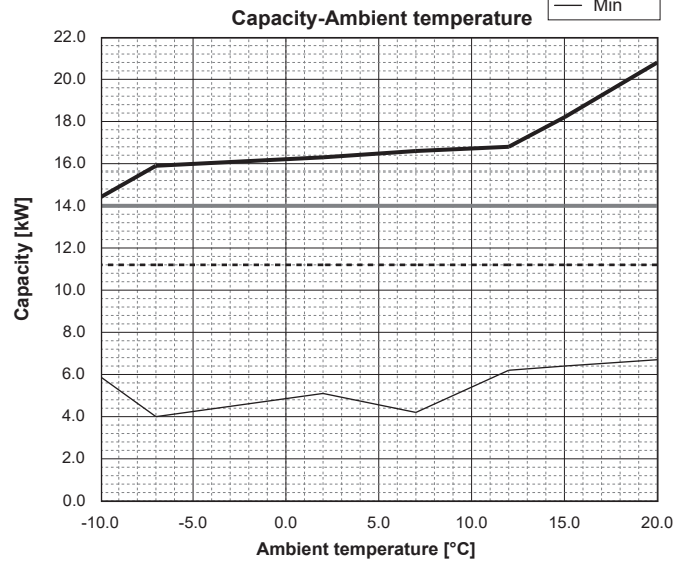
Water outlet temperature 55 [°C]



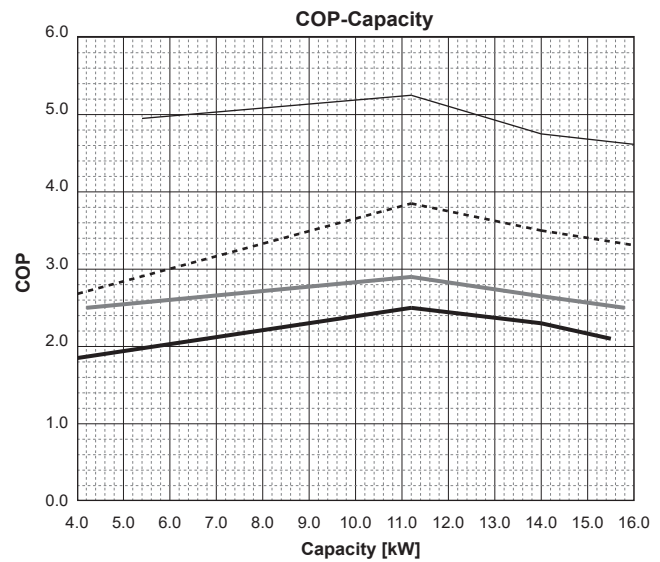
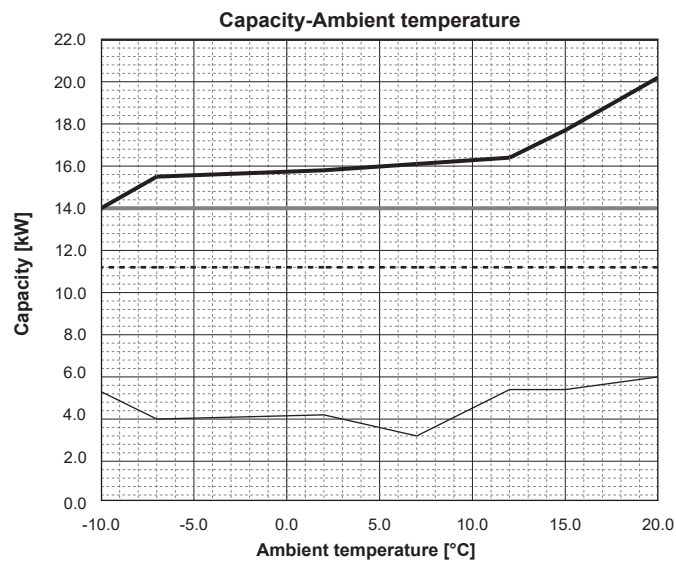
PUZ-HWM140VHA(-BS)

PUZ-HWM140YHA(-BS)

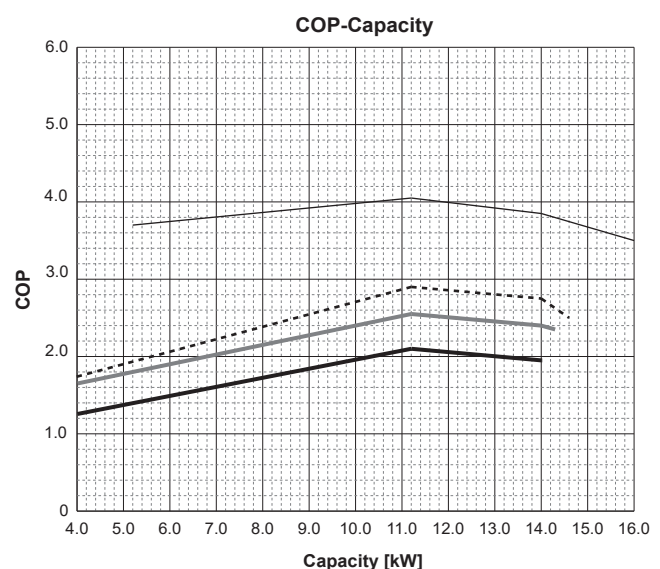
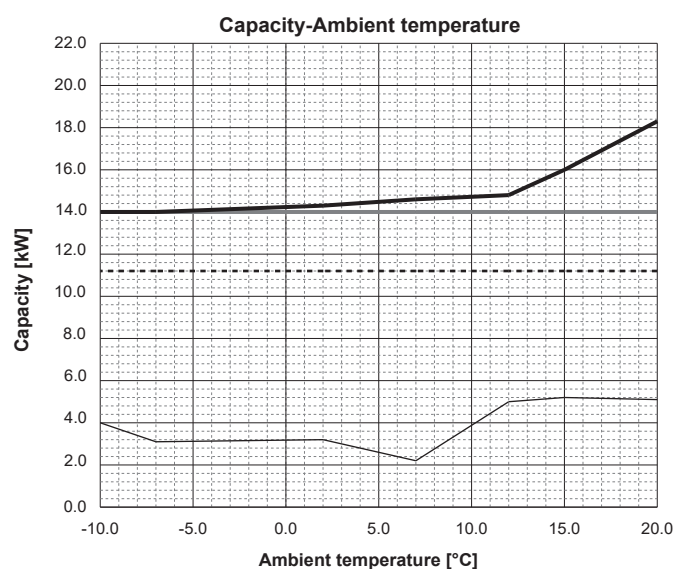
Water outlet temperature 35 [°C]



Water outlet temperature 45 [°C]



Water outlet temperature 55 [°C]



5.4 Best COP

<Notes>

1) These data are measured based on EN14511-2013.

2) Max COP of each model at each condition are shown.

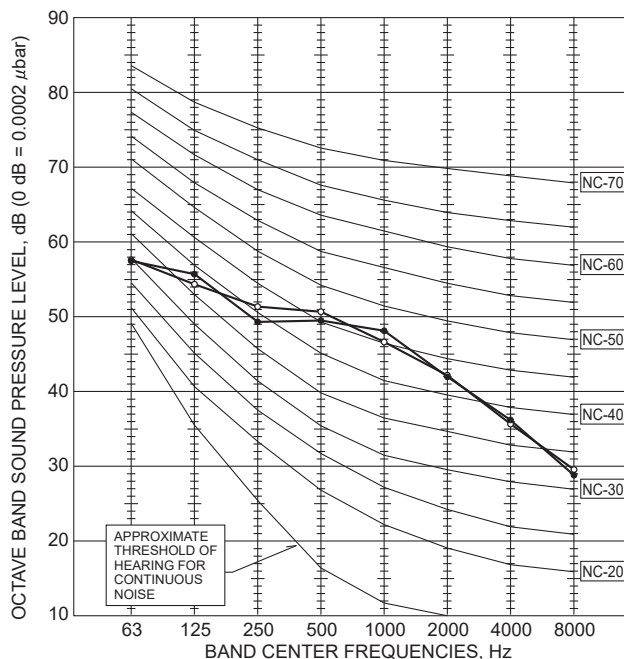
3) Gray highlighted data means integrated data including defrost operation.

Water outlet temperature[°C]		35		45		55	
Ambient temperature[°C]		Capacity	COP	Capacity	COP	Capacity	COP
PUZ-WM50VHA(-BS)	-7	2.7	3.25	3.7	2.42	3.5	1.90
	2	4.0	3.69	4.0	2.77	4.0	2.20
	7	2.5	3.42	2.5	3.47	2.3	2.78
PUZ-WM60VAA(-BS)	-7	1.8	5.46	4.0	4.11	4.0	2.99
	2	4.8	3.25	4.8	2.45	4.8	2.05
	7	4.8	4.00	4.8	3.20	4.8	2.50
PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)	-7	3.4	4.40	3.2	3.40	5.3	2.63
	2	2.9	5.45	4.8	4.00	4.8	3.00
	7	6.8	2.60	6.8	2.30	6.4	1.90
PUZ-WM112VAA(-BS) PUZ-WM112YAA(-BS)	-7	6.8	3.75	6.8	3.00	6.8	2.35
	2	3.4	4.15	7.5	3.15	7.5	2.47
	7	3.2	5.20	6.8	3.80	6.8	2.85
PUZ-HWM140VHA(-BS) PUZ-HWM140YHA(-BS)	-7	9.0	3.05	9.0	2.55	8.0	1.90
	2	9.0	3.75	9.0	2.80	8.0	2.10
	7	9.9	3.94	9.9	2.94	8.8	2.21
SUZ-SWM40VA	-7	9.0	4.80	9.0	3.90	8.0	3.00
	2	11.2	3.00	11.2	2.50	11.2	2.10
	7	5.1	3.65	11.2	2.90	11.2	2.55
SUZ-SWM60VA	-7	6.0	3.69	12.3	3.05	12.3	2.68
	2	11.2	4.80	11.2	3.85	11.2	2.90
	7	2.3	3.17	2.1	2.42	1.7	1.61
SUZ-SWM80VA	-7	3.2	4.17	3.2	3.14	3.2	2.19
	2	3.0	4.27	2.9	3.20	2.7	2.23
	7	4.0	5.20	4.0	3.70	4.0	2.61
PUD-SWM60VAA(-BS)	-7	3.9	3.08	3.7	2.51	3.2	1.97
	2	5.8	3.38	5.0	2.68	5.0	2.12
	7	5.4	4.17	4.5	3.31	4.2	2.39
PUD-SWM80VAA(-BS) PUD-SWM80YAA(-BS)	-7	4.8	5.21	5.3	3.62	5.4	2.73
	2	3.9	3.03	3.4	2.46	2.9	1.95
	7	6.5	3.40	6.5	2.73	6.5	2.11
PUD-SWM100VAA(-BS) PUD-SWM100YAA(-BS)	-7	6.0	4.13	5.8	3.28	5.5	2.37
	2	6.0	5.10	6.0	3.72	6.0	2.85
	7	5.0	3.20	5.2	2.50	5.4	2.05
PUD-SHWM60VAA(-BS)	-7	5.2	3.70	5.0	2.90	4.3	2.25
	2	4.3	3.75	4.2	2.95	4.0	2.30
	7	5.5	4.90	5.3	3.65	4.5	2.70
PUD-SHWM80VAA(-BS) PUD-SHWM80YAA(-BS)	-7	5.0	3.20	5.2	2.50	5.4	2.05
	2	5.2	3.70	5.0	2.90	4.3	2.25
	7	4.3	3.75	4.2	2.95	4.0	2.30
PUD-SHWM100VAA(-BS) PUD-SHWM100YAA(-BS)	-7	5.5	4.90	5.3	3.65	4.8	2.65
	2	6.6	3.15	6.4	2.50	6.2	2.00
	7	7.0	3.70	6.9	3.00	6.8	2.20
PUD-SHWM120VAA(-BS) PUD-SHWM120YAA(-BS)	-7	6.0	4.05	5.9	3.15	5.8	2.30
	2	5.6	5.10	5.4	3.75	5.2	2.80
	7	6.6	3.15	6.4	2.50	6.2	2.00
PUD-SHWM140VAA(-BS) PUD-SHWM140YAA(-BS)	-7	7.0	3.70	6.9	3.00	6.8	2.20
	2	6.0	4.05	5.9	3.15	5.8	2.30
	7	5.6	5.10	5.4	3.75	5.2	2.80
PUD-SHWM120VAA(-BS) PUD-SHWM120YAA(-BS)	-7	6.6	3.25	6.4	2.60	6.2	2.10
	2	7.0	3.70	6.9	3.00	6.8	2.20
	7	6.0	4.05	5.9	3.15	5.8	2.30
PUD-SHWM140VAA(-BS) PUD-SHWM140YAA(-BS)	-7	5.6	5.10	5.4	3.75	5.2	2.80
	2	6.9	3.30	6.7	2.60	6.5	2.15
	7	7.3	3.70	7.2	2.95	7.0	2.20
PUD-SHWM140VAA(-BS) PUD-SHWM140YAA(-BS)	-7	6.0	4.00	5.9	3.20	5.8	2.40
	2	6.7	5.00	6.6	3.75	6.5	2.80
	7						

(1) Packaged-type units

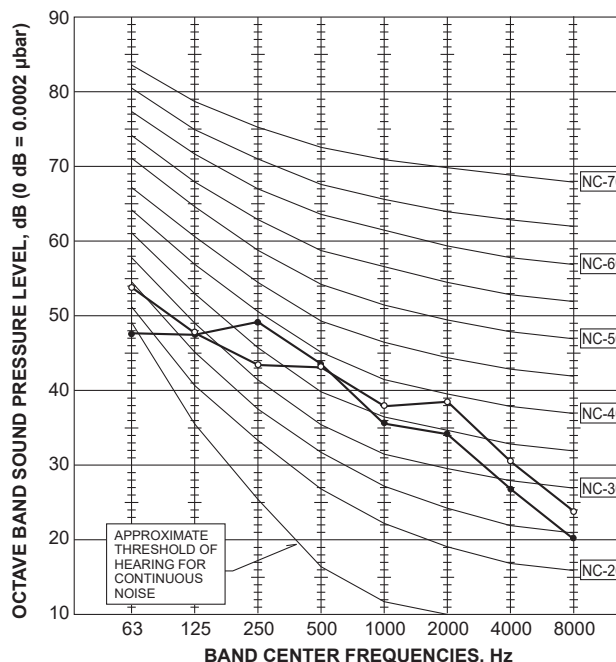
■ PUZ-WM50VHA(-BS)

MODE	SPL(dB)	LINE
COOLING	52	○—○
HEATING	52	●—●



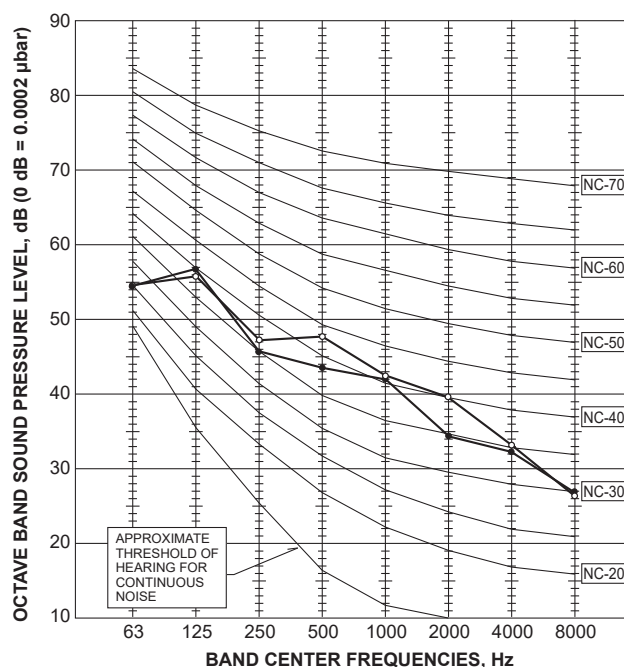
■ PUZ-WM60VAA(-BS) PUZ-WM85VAA(-BS) PUZ-WM85YAA(-BS)

MODE	SPL(dB)	LINE
COOLING	45	○—○
HEATING	45	●—●



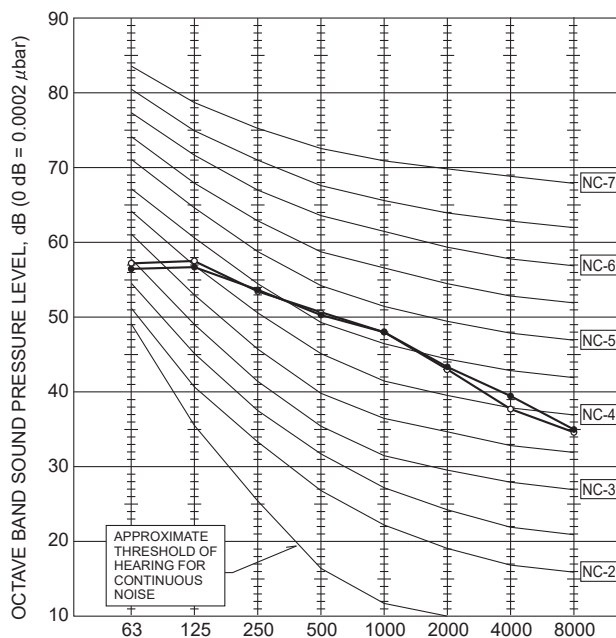
■ PUZ-WM112VAA(-BS) PUZ-WM112YAA(-BS)

MODE	SPL(dB)	LINE
COOLING	49	○—○
HEATING	47	●—●



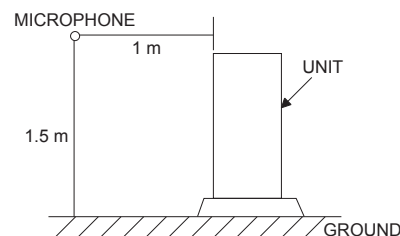
■ PUZ-HWM140VHA(-BS) PUZ-HWM140YHA(-BS)

MODE	SPL(dB)	LINE
COOLING	53	○—○
HEATING	53	●—●



<Notes>

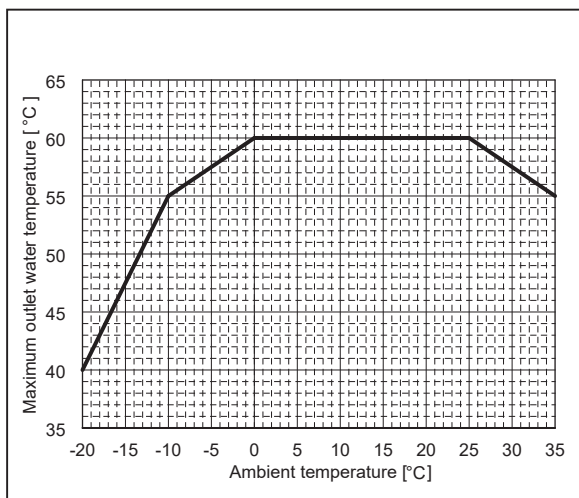
- 1) Sound data is taken when the system is running stably.
- 2) Relatively large noise could be heard transiently in the case 4-way valve, or LEV operates.



1.3 Maximum outlet water temperature

(1) Packaged-type units

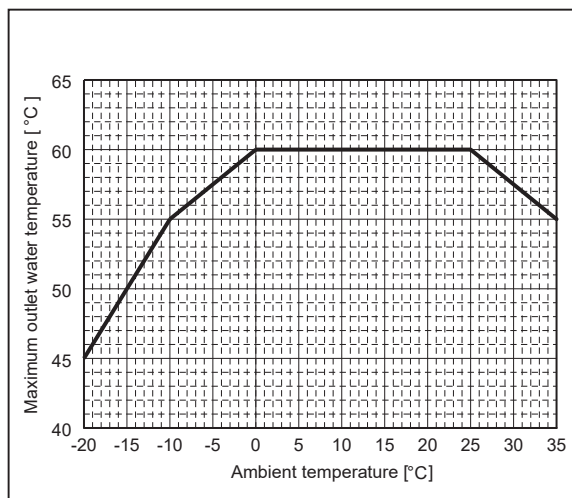
PUZ-WM50VHA(-BS)



PUZ-WM60VAA(-BS)

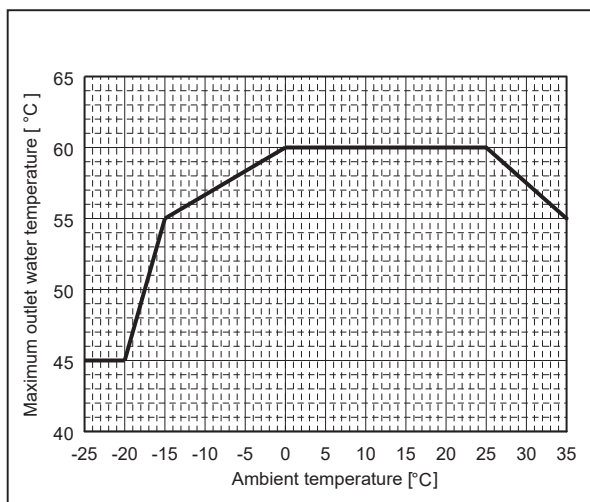
PUZ-WM85VAA(-BS)

PUZ-WM85YAA(-BS)



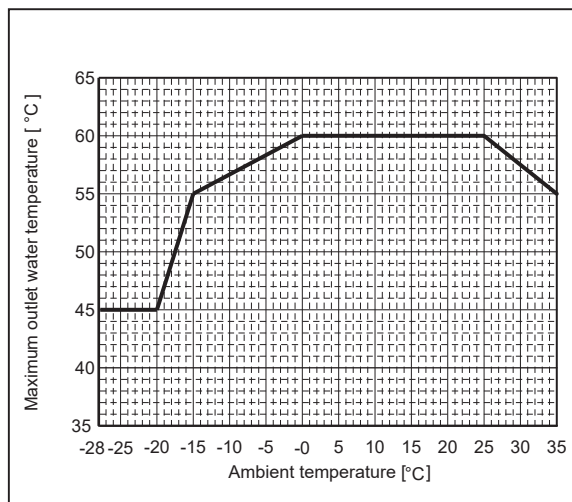
PUZ-WM112VAA(-BS)

PUZ-WM112YAA(-BS)



PUZ-HWM140VHA(-BS)

PUZ-HWM140YHA(-BS)



MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS EUROPE LTD.
 NETTLEHILL ROAD
 HOUSTOUN INDUSTRIAL ESTATE
 LIVINGSTON, EH54 5EQ, U.K.
 Telephone: +44 (0)1506 445500
 Fax: +44 (0)1506 445511

DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS EUROPE LTD.

NETTLEHILL ROAD HOUSTOUN INDUSTRIAL ESTATE LIVINGSTON EH54 5EQ SCOTLAND,
 UNITED KINGDOM

**are the manufacturer of below models and hereby declares under its sole responsibility that the
 AIR CONDITIONERS and HEAT PUMPS described below for use in residential, commercial and
 light-industrial environments:**

MITSUBISHI ELECTRIC, PUZ-WM85YAA, PUZ-WM85YAA-BS, PUZ-WM112YAA, PUZ-WM112YAA-BS

**comply with the provisions of the following European Directives, the harmonised standards and
 the specifications.:**

Directives	Standards / Specifications
2014/35/EU: Low Voltage Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012, EN 62233: 2008, IEC 60335-1:2010 / A1:2013 / A2:2016, IEC 60335-2-40:2018
2006/42/EC: Machinery Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012
2014/30/EU: Electromagnetic Compatibility Directive	EN 55014-1: 2006 / A1:2009 / A2:2011, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55014-2: 1997 / A1: 2001 / A2: 2008 (Category IV)
2011/65/EU, (EU) 2015/863 and (EU) 2017/2102: RoHS Directive	EN 50581:2012
2009/125/EC: Energy-related Products Directive and Regulation (EU) No 813/2013	EN 12102-1:2017, EN 14511-2:2013, EN 14511-3:2013, EN 14825:2016, EN 16147:2011

Please refer to <http://erp.mitsubishielectric.eu/erp> for more information of 2009/125/EC.

Information of 2014/68/EU Pressure Equipment

Pressure Component	Accumulator	Category II
	Pressure Switch	Category IV
Applied conformity assessment procedure:	Internal manufacturing checks with monitoring of the final assessment (module D1)	
The monitoring is performed by the Notified Body:	BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, Netherlands	

Issued date: 1 February, 2020



Atsushi EDAYOSHI

Manager, Quality Assurance Department

UNITED KINGDOM

Revised date: ---

DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We MITSUBISHI ELECTRIC CORPORATION

TOKYO BUILDING, 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN

are the manufacturer of below models and hereby declares under its sole responsibility that the Air to Water Heat Pump described below for use in residential, commercial and light-industrial environments:

MITSUBISHI ELECTRIC, PUZ-HWM140YHA, PUZ-HWM140YHA-BS

comply with the provisions of the following European Directives, the harmonised standards and the specifications.:

Directives	Standards / Specifications
2014/35/EU: Low Voltage Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012, EN 62233: 2008
2006/42/EC: Machinery Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012
2014/30/EU: Electromagnetic Compatibility Directive	EN 55014-1: 2006 / A1:2009 / A2:2011, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55014-2: 1997 / A1: 2001 / A2: 2008 (Category IV)
2011/65/EU, (EU) 2015/863 and (EU) 2017/2102: RoHS Directive	EN IEC 63000: 2018
2009/125/EC: Energy-related Products Directive and Regulation (EU) No 813/2013	EN 12102-1:2017, EN 14511-2:2013, EN 14511-3:2013, EN 14825:2016, EN 16147:2011
2014/68/EU: Pressure Equipment Directive*	ANNEX I of 2014/68/EU, Japanese High pressure gas safety law, Refrigeration safety regulation section 23

Please refer to <http://erp.mitsubishielectric.eu/erp> for more information of 2009/125/EC.

Information of 2014/68/EU Pressure Equipment

Pressure Component	Accumulator	Category II
	Compressor	Category II
	Plate Heat Exchanger	Category II
	Pressure Switch	Category IV
Applied conformity assessment procedure:	Internal manufacturing checks with monitoring of the final assessment (module A2)	
The monitoring is performed by the Notified Body:	TÜV Rheinland Industrie Service GmbH Am Grauen Stein, D-51105 Cologne / Germany	

Issued date: 1 August, 2020

Revised date: ---



Tomoyuki MIWA
General Manager, Quality Assurance Department
Shizuoka JAPAN

CE2020A08

MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS EUROPE LTD.
 NETTLEHILL ROAD
 HOUSTOUN INDUSTRIAL ESTATE
 LIVINGSTON, EH54 5EQ, U.K.
 Telephone: +44 (0)1506 445500
 Fax: +44 (0)1506 445511

DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS EUROPE LTD.

NETTLEHILL ROAD HOUSTOUN INDUSTRIAL ESTATE LIVINGSTON EH54 5EQ SCOTLAND,
 UNITED KINGDOM

**are the manufacturer of below models and hereby declares under its sole responsibility that the
 AIR CONDITIONERS and HEAT PUMPS described below for use in residential, commercial and
 light-industrial environments:**

MITSUBISHI ELECTRIC, PUZ-WM85VAA, PUZ-WM85VAA-BS, PUZ-WM60VAA, PUZ-WM60VAA-BS,
 PUZ-WM112VAA, PUZ-WM112VAA-BS

**comply with the provisions of the following European Directives, the harmonised standards and
 the specifications.:**

Directives	Standards / Specifications
2014/35/EU: Low Voltage Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012, IEC 60335-1:2010 / A1:2013 / A2:2016, IEC 60335-2-40:2018
2006/42/EC: Machinery Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012
2014/30/EU: Electromagnetic Compatibility Directive	EN 55014-1: 2006 / A1:2009 / A2:2011, EN 61000-3-12: 2011, EN 61000-3-11: 2000, EN 55014-2: 1997 / A1: 2001 / A2: 2008 (Category IV)
2011/65/EU, (EU) 2015/863 and (EU) 2017/2102: RoHS Directive	EN 50581:2012
2009/125/EC: Energy-related Products Directive and Regulation (EU) No 813/2013	EN 12102-1:2017, EN 14511-2:2013, EN 14511-3:2013, EN 14825:2016, EN 16147:2011

Please refer to <http://erp.mitsubishielectric.eu/erp> for more information of 2009/125/EC.

Information of 2014/68/EU Pressure Equipment

Pressure Component	Accumulator	Category II
	Pressure Switch	Category IV
Applied conformity assessment procedure:	Internal manufacturing checks with monitoring of the final assessment (module D1)	
The monitoring is performed by the Notified Body:	BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, Netherlands	

Issued date: 1 February, 2020



Atsushi EDAYOSHI

Manager, Quality Assurance Department

UNITED KINGDOM

Revised date: ---

MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS EUROPE LTD.
 NETTLEHILL ROAD
 HOUSTOUN INDUSTRIAL ESTATE
 LIVINGSTON, EH54 5EQ, U.K.
 Telephone: +44 (0)1506 445500
 Fax: +44 (0)1506 445511

DECLARATION OF CONFORMITY

This declaration of conformity is issued under the sole responsibility of the manufacturer.

We MITSUBISHI ELECTRIC AIR CONDITIONING SYSTEMS EUROPE LTD.

NETTLEHILL ROAD HOUSTOUN INDUSTRIAL ESTATE LIVINGSTON EH54 5EQ SCOTLAND,
 UNITED KINGDOM

**are the manufacturer of below models and hereby declares under its sole responsibility that the
 AIR CONDITIONERS and HEAT PUMPS described below for use in residential, commercial and
 light-industrial environments:**

MITSUBISHI ELECTRIC, PUZ-WM50VHA, PUZ-WM50VHA-BS

**comply with the provisions of the following European Directives, the harmonised standards and
 the specifications.:**

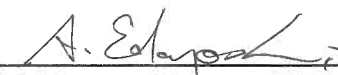
Directives	Standards / Specifications
2014/35/EU: Low Voltage Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012, EN 62233: 2008, IEC 60335-1:2010 / A1:2013 / A2:2016, IEC 60335-2-40:2018
2006/42/EC: Machinery Directive	EN 60335-1:2002 / A11:2004 / A1:2004 / A12:2006 / A2:2006 / A13:2008 / A14:2010 / A15:2011, EN 60335-2-40:2003 / A11:2004 / A12:2005 / A1:2006 / A2:2009 / A13:2012
2014/30/EU: Electromagnetic Compatibility Directive	EN 55014-1: 2006 / A1:2009 / A2:2011, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 55014-2: 1997 / A1: 2001 / A2: 2008 (Category IV)
2011/65/EU, (EU) 2015/863 and (EU) 2017/2102: RoHS Directive	EN 50581:2012
2009/125/EC: Energy-related Products Directive and Regulation (EU) No 813/2013	EN 12102-1:2017, EN 14511-2:2013, EN 14511-3:2013, EN 14825:2016, EN 16147:2011

Please refer to <http://erp.mitsubishielectric.eu/erp> for more information of 2009/125/EC.

Information of 2014/68/EU Pressure Equipment

Pressure Component	Accumulator	Category II
	Pressure Switch	Category IV
Applied conformity assessment procedure:	Internal manufacturing checks with monitoring of the final assessment (module D1)	
The monitoring is performed by the Notified Body:	BSI Group The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, Netherlands	

Issued date: 1 February, 2020



Atsushi EDAYOSHI

Manager, Quality Assurance Department

UNITED KINGDOM

Revised date: ---