Daikin Altherma high temperature split Technical Data EPVX10A4V / EPVX10A9W / EPVX14A4V / EPVX14A9W

EEDEN25

TABLE OF CONTENTS
EPVX10A4V / EPVX10A9W / EPVX14A4V / EPVX14A9W

1 Features

1 - 1 EPVX10A4V, EPVX10A9W, EPVX14A4V, EPVX14A9W

Floor standing air to water heat pump for heating, cooling and hot water

- New intuitive MMI 5» touchscreen for better user experience
- Inclusion of all hydraulic components means no third party components are required
- PCB board and hydraulic components are located in the front for easy access
- A combined stainless steel domestic hot water tank of 180 or 230L and heat pump for easy installation
- Integrated back-up heater of 4.5 or 9 kW

Guaranteed operation down to -28°C

Onecta app (optional)

Online controller

2 Specifications

2 - 1 Specifications

Technical specifications					EPVX10S18A4V	EPVX10S23A4V
Heater capacity	Step 3			kW	4.5	
Casing	Colour				White	
	Material				Precoated galvanized steel + plastic	
Dimensions	Unit	Height		mm	1,650	1,850
		Width		mm	595	
		Depth		mm	625	
	Packed unit	Height		mm	1,820	2,020
		Width		mm	696	
		Depth		mm	680	
Weight	Unit			kg	94	111
	Packed unit			kg	109	126
Packing	Material				Wood / Carton / PE wrapping foil	
	Weight			kg	14	
Pump	Type				Grundfos UPM4XL LIN 25-90	
	Nr of speeds				LIN	
	Power input			W	90	
Water side Heat exchanger	Water flow rate	Min.		l/min	22 (1)	
		Max.		l/min	29	
Expansion vessel	Volume			l	8	
	Max. water pressure			bar	3	
	Pre pressure			bar	1	
Water filter	Diameter perforations			mm	0.8	
	Material				Resin / Stainless steel	
Water filter Main Zone	Diameter perforations			mm	0.8	
	Material				Plastic / Copper - brass - stainless steel	
Tank	Name				Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L
	Water volume			l	180	230
	Material				Stainless steel (EN 1.4521)	
	Maximum water temperature			°C	0	
	Maximum water pressure			bar	10	
	Insulation	Material			Polyurethane foam	
		Heat loss		kWh/24h	1.2 (5)	1.4 (5)
	Standing heat loss	S		W	50	58
	Storage volume	V		l	180	220
	Corrosion protection				Pickling	
	Energy efficiency class				B	
General	Supplier/ Manufacturer details	Name or trademark			Daikin Europe N.V.	
		Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
3-way valve	Coefficient of flow (kV)	Space heating		m^3/h	10	
		Domestic hot water tank		m^3/h	10	
Water circuit	inch			in	G 1" (female)	
	Piping material				Stainless steel	
	inch			in	1"	
	inch			in	1"	
	Safety valve			bar	3	
	Manometer				Digital	
	Drain valve / fill valve				No	
	Shut off valve				Yes	
	flowswitch				No	
	Air purge valve				Yes	
	Pressure	Heating	Max.	bar	3	
	Minimum water volume in the system for cooling			l	25 (2)	
	Minimum water volume in the system for heating			l	0 (2)	
Water circuit - Domestic hot water side	Piping material				Stainless steel	
	Piping connections	Cold water in / Hot water out		in	G 3/4" FEMALE	
		inch		in	G 3/4" FEMALE	
Sound power level	Nom.			dBA	45 (6)	
Sound pressure level	Nom.			dBA	31 (7)	
Operation range	Heating	Ambient	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Indoor installation	Ambient	Min.	°CDB	5	
			Max.	°CDB	35 (4)	
	Cooling	Ambient	Min.	°CDB	0 (3)	
			Max.	°CDB	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Domestic hot water	Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	

2 Specifications

2 - 1 Specifications

Technical specifications				EPVX10S18A4V	EPVX10S23A4V
Installation place				Indoor	
Safety devices	Item	01		Thermal cut out	

Electrical specifications				EPVX10S18A4V	EPVX10S23A4V
Power supply	Name			See note 8	
	Phase			1~/3~	
	Frequency		Hz	50	
	Voltage		V	230/400	
	Voltage range	Min.	%	10	
		Max.	%	10	
IP class	IP			IP X0B	
Electric heater	Power supply	Name		4V	
		Phase		1~ / 3~	
		Frequency	Hz	50	
		Voltage	V	230/400	
	Current	Minimum Ssc value		Equipment complying with EN/IEC 61000-3-12	
	Recommended fuses		A	0 (9)	
	Voltage range	Min.	%	10	
		Max.	%	10	
Wiring connections	Communication cable	Quantity		3+GRD	
		Remark		1.5 mm²	
	Electric meter	Quantity		2	
		Remark		Minimum 0.75 mm² (16VDC pulse detection) ..	
	Preferential kWh rate power supply	Quantity		Power: 2	
		Remark		Power 6.3A (Select diameter and type according to national and local regulations)	
	Domestic hot water pump	Quantity		2	
		Remark		Minimum 0.75 mm² (2A inrush, 1A continuous)	
	For connection with R6T	Quantity		2	
		Remark		Minimum 0.75 mm²	
	For connection with A3P	Quantity		Depends on thermostat type, cf. installation manual	
		Remark		Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with M2S	Quantity		2	
		Remark		Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with optional FWXV* (demand input and output)	Quantity		4	
		Remark		100 mA, minimum 0.75 mm²	

(1)Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). |
(2)Minimum required volume, excluding the volume in the unit |
(3)Refer to operation range of the unit. |
(4)Depends on operation mode, refer to installation manual. |
(5)Based on dT of 45 K |
(6)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. |
(7)Value measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. The sound pressure level mentioned is measured with a pressure drop of 10 kPa in the heating system at an operatin |
(8)Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. |
(9)Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

Technical specifications				EPVX10S18A9W	EPVX10S23A9W
Heater capacity	Step 3		kW	9	
Casing	Colour			White	
	Material			Precoated galvanized steel + plastic	
Dimensions	Unit	Height	mm	1,650	1,850
		Width	mm	595	
		Depth	mm	625	
	Packed unit	Height	mm	1,820	2,020
		Width	mm	696	
		Depth	mm	680	
Weight	Unit		kg	94	111
	Packed unit		kg	109	126
Packing	Weight		kg	14	
Pump	Type			Grundfos UPM4XL LIN 25-90	
	Nr of speeds			LIN	
	Power input		W	90	

2 Specifications

2 - 1 Specifications

Technical specifications					EPVX10S18A9W	EPVX10S23A9W
Water side Heat exchanger	Water flow rate	Min.		l/min	22 (1)	
		Max.		l/min	29	
Expansion vessel	Volume			l	8	
	Max. water pressure			bar	3	
	Pre pressure			bar	1	
Water filter	Diameter perforations			mm	0.8	
	Material				Resin / Stainless steel	
Water filter Main Zone	Diameter perforations			mm	0.8	
	Material				Plastic / Copper - brass - stainless steel	
Tank	Name				Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L
	Water volume			l	180	230
	Material				Stainless steel (EN 1.4521)	
	Maximum water temperature			°C	0	
	Maximum water pressure			bar	10	
	Insulation	Material			Polyurethane foam	
		Heat loss		kWh/24h	1.2 (5)	1.4 (5)
	Standing heat loss	S		W	50	58
	Storage volume	V		l	180	220
	Corrosion protection				Pickling	
	Energy efficiency class				B	
General	Supplier/ Manufactur-er details	Name or trademark			Daikin Europe N.V.	
General	Supplier/ Manufactur-er details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
3-way valve	Coefficient of flow (kV)	Space heating		m^3/h	10	
		Domestic hot water tank		m^3/h	10	
Water circuit	inch			in	G 1" (female)	
	Piping material				Stainless steel	
	inch			in	1"	
	inch			in	1"	
	Safety valve			bar	3	
	Manometer				Digital	
	Drain valve / fill valve				No	
	Shut off valve				Yes	
	flowswitch				No	
	Air purge valve				Yes	
	Pressure	Heating	Max.	bar	3	
	Minimum water volume in the system for cooling			l	25 (2)	
	Minimum water volume in the system for heating			l	0 (2)	
Water circuit - Domestic hot water side	Piping material				Stainless steel	
	Piping connections	Cold water in / Hot water out		in	G 3/4" FEMALE	
		inch		in	G 3/4" FEMALE	
Sound power level	Nom.			dBA	45 (6)	
Sound pressure level	Nom.			dBA	31 (7)	
Operation range	Heating	Ambient	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Indoor installation	Ambient	Min.	°CDB	5	
			Max.	°CDB	35 (4)	
	Cooling	Ambient	Min.	°CDB	0 (3)	
			Max.	°CDB	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Domestic hot water	Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
Installation place					Indoor	
Safety devices	Item	01			Thermal cut out	

Electrical specifications				EPVX10S18A9W	EPVX10S23A9W
Power supply	Name			See note 8	
	Phase			3~	
	Frequency		Hz	50	
	Voltage		V	230/400	
	Voltage range	Min.	%	10	
		Max.	%	10	
IP class	IP			IP X0B	

2 Specifications

2 - 1 Specifications

Electrical specifications				EPVX10S18A9W	EPVX10S23A9W
Electric heater	Power supply	Name		9W	
		Phase		3~	
		Frequency	Hz	50	
		Voltage	V	400	
	Current	Minimum Ssc value		Equipment complying with EN/IEC 61000-3-12	
	Recommended fuses		A	0 (9)	
	Voltage range	Min.	%	10	
		Max.	%	10	
Wiring connections	Communication cable	Quantity		3+GRD	
		Remark		1.5 mm²	
	Electric meter	Quantity		2	
		Remark		Minimum 0.75 mm² (16VDC pulse detection) ..	
	Preferential kWh rate power supply	Quantity		Power: 2	
		Remark		Power 6.3A (Select diameter and type according to national and local regulations)	
	Domestic hot water pump	Quantity		2	
		Remark		Minimum 0.75 mm² (2A inrush, 1A continuous)	
	For connection with R6T	Quantity		2	
		Remark		Minimum 0.75 mm²	
	For connection with A3P	Quantity		Depends on thermostat type, cf. installation manual	
		Remark		Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with M2S	Quantity		2	
		Remark		Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with optional FWXV* (demand input and output)	Quantity		4	
		Remark		100 mA, minimum 0.75 mm²	

(1)Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). |
(2)Minimum required volume, excluding the volume in the unit |
(3)Refer to operation range of the unit. |
(4)Depends on operation mode, refer to installation manual. |
(5)Based on dT of 45 K |
(6)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. |
(7)Value measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. The sound pressure level mentioned is measured with a pressure drop of 10 kPa in the heating system at an operatin |
(8)Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. |
(9)Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

Technical specifications				EPVX14S18A4V	EPVX14S23A4V
Heater capacity	Step 3		kW	4.5	
Casing	Colour			White	
	Material			Precoated galvanized steel + plastic	
Dimensions	Unit	Height	mm	1,650	1,850
		Width	mm	595	
		Depth	mm	625	
	Packed unit	Height	mm	1,820	2,020
		Width	mm	696	
		Depth	mm	680	
Weight	Unit		kg	94	111
	Packed unit		kg	109	126
Packing	Weight		kg	14	
Pump	Type			Grundfos UPM10XL LIN 25-125	
	Nr of speeds			LIN	
	Power input		W	180	
Water side Heat exchanger	Water flow rate	Min.	l/min	24 (1)	
		Max.	l/min	40	
Expansion vessel	Volume		l	8	
	Max. water pressure		bar	3	
	Pre pressure		bar	1	
Water filter	Diameter perforations		mm	0.8	
	Material			Resin / Stainless steel	
Water filter Main Zone	Diameter perforations		mm	0.8	
	Material			Plastic / Copper - brass - stainless steel	

2 Specifications
2 - 1 Specifications

Technical specifications					EPVX14S18A4V	EPVX14S23A4V
Tank	Name				Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L
	Water volume			l	180	230
	Material				Stainless steel (EN 1.4521)	
	Maximum water temperature			°C	0	
	Maximum water pressure			bar	10	
	Insulation	Material			Polyurethane foam	
		Heat loss		kWh/24h	1.2 (5)	1.4 (5)
	Standing heat loss	S		W	50	58
	Storage volume	V		l	180	220
	Corrosion protection				Pickling	
	Energy efficiency class				B	
General	Supplier/ Manufacturer details	Name or trademark			Daikin Europe N.V.	
General	Supplier/ Manufacturer details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
3-way valve	Coefficient of flow (kV)	Space heating		m^3/h	10	
		Domestic hot water tank		m^3/h	10	
Water circuit	inch			in	G 1" (female)	
	Piping material				Stainless steel	
	inch			in	1"	
	inch			in	1"	
	Safety valve			bar	3	
	Manometer				Digital	
	Drain valve / fill valve				No	
	Shut off valve				Yes	
	flowswitch				No	
	Air purge valve				Yes	
	Pressure	Heating	Max.	bar	3	
	Minimum water volume in the system for cooling			l	30 (2)	
	Minimum water volume in the system for heating			l	20 (2)	
Water circuit - Domestic hot water side	Piping material				Stainless steel	
	Piping connections	Cold water in / Hot water out		in	G 3/4" FEMALE	
		inch		in	G 3/4" FEMALE	
Sound power level	Nom.			dBA	45 (6)	
Sound pressure level	Nom.			dBA	31 (7)	
Operation range	Heating	Ambient	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Indoor installation	Ambient	Min.	°CDB	5	
			Max.	°CDB	35 (4)	
	Cooling	Ambient	Min.	°CDB	0 (3)	
			Max.	°CDB	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Domestic hot water	Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
Installation place					Indoor	
Safety devices	Item	01			Thermal cut out	

Electrical specifications				EPVX14S18A4V	EPVX14S23A4V
Power supply	Name			See note 8	
	Phase			1~/3~	
	Frequency		Hz	50	
	Voltage		V	230/400	
	Voltage range	Min.	%	10	
		Max.	%	10	
IP class	IP			IP X0B	
Electric heater	Power supply	Name		4V	
		Phase		1~ / 3~	
		Frequency	Hz	50	
		Voltage	V	230/400	
	Current	Minimum Ssc value		Equipment complying with EN/IEC 61000-3-12	
	Recommended fuses		A	0 (9)	
	Voltage range	Min.	%	10	
		Max.	%	10	

2

2 Specifications

2 - 1 Specifications

Electrical specifications			EPVX14S18A4V	EPVX14S23A4V
Wiring connections	Communication cable	Quantity	3+GRD	
		Remark	1.5 mm²	
	Electric meter	Quantity	2	
		Remark	Minimum 0.75 mm² (16VDC pulse detection) ..	Minimum 0.75 mm² (5VDC pulse detection)
	Preferential kWh rate power supply	Quantity	Power: 2	
		Remark	Power 6.3A (Select diameter and type according to national and local regulations)	
	Domestic hot water pump	Quantity	2	
		Remark	Minimum 0.75 mm² (2A inrush, 1A continuous)	
	For connection with R6T	Quantity	2	
		Remark	Minimum 0.75 mm²	
	For connection with A3P	Quantity	Depends on thermostat type, cf. installation manual	
		Remark	Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with M2S	Quantity	2	
		Remark	Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with optional FWXV* (demand input and output)	Quantity	4	
		Remark	100 mA, minimum 0.75 mm²	

(1)Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). |
(2)Minimum required volume, excluding the volume in the unit |
(3)Refer to operation range of the unit. |
(4)Depends on operation mode, refer to installation manual. |
(5)Based on dT of 45 K |
(6)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. |
(7)Value measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. The sound pressure level mentioned is measured with a pressure drop of 10 kPa in the heating system at an operatin |
(8)Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. |
(9)Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

Technical specifications				EPVX14S18A9W	EPVX14S23A9W
Heater capacity	Step 3		kW	9	
Casing	Colour			White	
	Material			Precoated galvanized steel + plastic	
Dimensions	Unit	Height	mm	1,650	1,850
		Width	mm	595	
		Depth	mm	625	
	Packed unit	Height	mm	1,820	2,020
		Width	mm	696	
		Depth	mm	680	
Weight	Unit		kg	94	111
	Packed unit		kg	109	126
Packing	Weight		kg	14	
Pump	Type			Grundfos UPM10XL LIN 25-125	
	Nr of speeds			LIN	
	Power input		W	180	
Water side Heat exchanger	Water flow rate	Min.	l/min	24 (1)	
		Max.	l/min	40	
Expansion vessel	Volume		l	8	
	Max. water pressure		bar	3	
	Pre pressure		bar	1	
Water filter	Diameter perforations		mm	0.8	
	Material			Resin / Stainless steel	
Water filter Main Zone	Diameter perforations		mm	0.8	
	Material			Plastic / Copper - brass - stainless steel	

2 Specifications

2 - 1 Specifications

Technical specifications					EPVX14S18A9W	EPVX14S23A9W
Tank	Name				Stainless steel domestic hot water tank 180 l	Stainless steel domestic hot water tank 230 L
	Water volume			l	180	230
	Material				Stainless steel (EN 1.4521)	
	Maximum water temperature			°C	0	
	Maximum water pressure			bar	10	
	Insulation	Material			Polyurethane foam	
		Heat loss		kWh/24h	1.2 (5)	1.4 (5)
	Standing heat loss	S		W	50	58
	Storage volume	V		l	180	220
	Corrosion protection				Pickling	
	Energy efficiency class				B	
General	Supplier/ Manufactur-er details	Name or trademark			Daikin Europe N.V.	
General	Supplier/ Manufactur-er details	Name and address			Daikin Europe N.V. - Zandvoordestraat 300, 8400 Oostende, Belgium	
3-way valve	Coefficient of flow (kV)	Space heating		m^3/h	10	
		Domestic hot water tank		m^3/h	10	
Water circuit	inch			in	G 1" (female)	
	Piping material				Stainless steel	
	inch			in	1"	
	inch			in	1"	
	Safety valve			bar	3	
	Manometer				Digital	
	Drain valve / fill valve				No	
	Shut off valve				Yes	
	flowswitch				No	
	Air purge valve				Yes	
	Pressure	Heating	Max.	bar	3	
	Minimum water volume in the system for cooling			l	30 (2)	
	Minimum water volume in the system for heating			l	20 (2)	
Water circuit - Domestic hot water side	Piping material				Stainless steel	
	Piping connections	Cold water in / Hot water out		in	G 3/4" FEMALE	
		inch		in	G 3/4" FEMALE	
Sound power level	Nom.			dBA	45 (6)	
Sound pressure level	Nom.			dBA	31 (7)	
Operation range	Heating	Ambient	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Indoor installation	Ambient	Min.	°CDB	5	
			Max.	°CDB	35 (4)	
	Cooling	Ambient	Min.	°CDB	0 (3)	
			Max.	°CDB	0 (3)	
		Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
	Domestic hot water	Water side	Min.	°C	0 (3)	
			Max.	°C	0 (3)	
Installation place					Indoor	
Safety devices	Item	01			Thermal cut out	

Electrical specifications				EPVX14S18A9W	EPVX14S23A9W
Power supply	Name			See note 8	
	Phase			3~	
	Frequency		Hz	50	
	Voltage		V	230/400	
	Voltage range	Min.	%	10	
		Max.	%	10	
IP class	IP			IP X0B	
Electric heater	Power supply	Name		9W	
		Phase		3~	
		Frequency	Hz	50	
		Voltage	V	400	
	Current	Minimum Ssc value		Equipment complying with EN/IEC 61000-3-12	
	Recommended fuses		A	0 (9)	
	Voltage range	Min.	%	10	
		Max.	%	10	

2 Specifications

2 - 1 Specifications

Electrical specifications			EPVX14S18A9W	EPVX14S23A9W
Wiring connections	Communication cable	Quantity	3+GRD	
		Remark	1.5 mm²	
	Electric meter	Quantity	2	
		Remark	Minimum 0.75 mm² (5VDC pulse detection)	
	Preferential kWh rate power supply	Quantity	Power: 2	
		Remark	Power 6.3A (Select diameter and type according to national and local regulations)	
	Domestic hot water pump	Quantity	2	
		Remark	Minimum 0.75 mm² (2A inrush, 1A continuous)	
	For connection with R6T	Quantity	2	
		Remark	Minimum 0.75 mm²	
	For connection with A3P	Quantity	Depends on thermostat type, cf. installation manual	
		Remark	Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with M2S	Quantity	2	
		Remark	Voltage: 230V / Max. current: 100mA / Min. 0.75mm²	
	For connection with optional FWXV* (demand input and output)	Quantity	4	
		Remark	100 mA, minimum 0.75 mm²	

(1)Operation area is extended to lower flow rates only in case the unit operates with heat pump only. (Not in startup, no BUH operation, no defrost operation). |
(2)Minimum required volume, excluding the volume in the unit |
(3)Refer to operation range of the unit. |
(4)Depends on operation mode, refer to installation manual. |
(5)Based on dT of 45 K |
(6)Measured with a pressure drop of 10 kPa in the heating system at an operating condition of leaving water 47-55°C in a room with an ambient of 20°C. DB/WB 7°C/6°. |
(7)Value measured in an anechoic room at 1m distance from the unit. It is a relative value, depending on the distance and acoustic environment. The sound pressure level mentioned is measured with a pressure drop of 10 kPa in the heating system at an operatin |
(8)Above mentioned power supply of the hydrobox is for the backup heater only. The switch box and the pump of the hydrobox are supplied via the outdoor unit. The optional domestic hot water tank has a separate power supply. |
(9)Refer to wiring diagram and installation manual for correct recommended fuse depending on power supply and grid connection

3 Electrical data

3 - 1 Electrical Data

EPVX10A4V / EPVX10A9W / EPVX10UA4V / EPVX14A4V / EPVX14A9W / EPVX14UA4V

Electrical specifications of the backup heaters and booster heaters

Backup heater	Type			**9W**			**4V**				
	Capacity setting		[kW]	**1 - 9**	**1 - 6**		**1 - 4.5**				
	Capacity stage · ·			**9**	**6**		**9**				
	Capacity stage ·1·		kW	**1**	**1**		**0.5**				
	Capacity stage ·2·		kW	**2**	**2**		**1**				
	Capacity stage ·3·		kW	**3**	**3**		**1.5**				
	Capacity stage ·4·		kW	**4**	**4**		**2**				
	Capacity stage ·5·		kW	**5**	**5**		**2.5**				
	Capacity stage ·6·		kW	**6**	**6**		**3**				
	Capacity stage ·7·		kW	**7**	**-**		**3.5**				
	Capacity stage ·8·		kW	**8**	**-**		**4**				
	Capacity stage ·9·		kW	**9**	**-**		**4.5**				
	Minimum time delay between stages	Max net change ≤ ·1· kW		10s							
		Max net change ≤ ·2· kW		40s							
		Max net change > ·2· kW		150s							
	Power supply (1)	Voltage		390 - 410V	220 - 240V		390 - 410V	220 - 240 V			
		Capacity		9kW	6kW		4.5kW				
		Rated current		13A	13A	26.1A(2)	6.5A	13A	19.6A(2)	17A(2)	19.6A(2)
		Phase		3N~	1N~		3N~	1N~		3~	2~
		Frequency		50Hz							
	Type of wires			Must comply with national wiring regulation							
				Min. ·2.5· mm²		Min. ·6· mm²	Min. ·2.5· mm²		Min. ·4· mm²	Min. ·2.5· mm²	Min. ·4· mm²
				·5·-wire cable		·3·-wire cable	·5·-wire cable		·3·-wire cable	·4·-wire cable	·3·-wire cable
				3L+N+GND	2L+2N+GND	L+N+GND	3L+N+GND	2L+2N+GND	L+N+GND	3L+GND	2L+GND
	Recommended overcurrent protection			4-pole ·16· A		2-pole ·32· A	4-pole ·10· A	4-pole ·16· A	2-pole ·25· A	4-pole ·20· A	2-pole ·25· A
	Earth leakage circuit breaker			Must comply with national wiring regulation							

Notes	(1)	The above-mentioned power supply of the hydrobox is for the backup heater only.
		The optional domestic hot water tank has a separate power supply.
	(2)	The equipment complies with EN/IEC 61000-3-12.
	EN/IEC 61000-3-12	European/International Technical Standard setting the limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase.

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EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V

* Electrical meter specification

- Pulse meter type/voltage-free contact for 5 V DC detection by PCB.
- Possible number of pulses
  - ·0.1· pulse/kWh
  - ·1· pulse/kWh
  - ·10· pulse/kWh
  - ·100· pulse/kWh
  - ·1000· pulse/kWh
- Pulse duration
  - minimum On time: ·40ms·
  - Minimum OFF time: ·100ms·
- Measurement type (depending on installation)
  - Single-phase AC meter
  - Three-phase AC meter
    - Balanced loads
  - Three-phase AC meter
    - Unbalanced loads

* Electrical meter installation guideline

- It is the responsibility of the installer to cover the complete power consumption with electrical meters (combination of estimation and metering is not allowed).
- Required number of electrical meters

Outdoor unit type		EPSK(06/08/10)A*V3						EPSK(08/10)A*W1						EPSK(12/14)A*W1					
Indoor unit type		EPVX10S(18/23)A*												EPVX14S(18/23)A*					
	Backup heater type	4V				9W		4V				9W		4V				9W	
	Backup heater power supply	1~ 230V	3~ 400V	3~ 230V	2~ 230V	1~ 230V	3~ 400V	1~ 230V	3~ 400V	3~ 230V	2~ 230V	1~ 230V	3~ 400V	1~ 230V	3~ 400V	3~ 230V	2~ 230V	1~ 230V	3~ 400V
	Backup heater configuration	Step ·0,5kW·				Step ·1kW·		Step ·0,5kW·				Step ·1kW·		Step ·0,5kW·				Step ·1kW·	
		Indoor unit supplied separately or from outdoor unit (normal kWh rate power supply)																	
Electrical meter type	1~	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	3~ balanced	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3~ unbalanced	-	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1
		Indoor unit supplied separately (preferential kWh rate power supply)																	
Electrical meter type	1~	2	1	-	-	2	1	1	-	-	-	1	-	1	-	-	-	1	-
	3~ balanced	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3~ unbalanced	-	1	2	2	-	1	1	2	2	2	1	2	1	2	2	2	1	2
		Indoor unit supplied from outdoor unit (preferential kWh rate power supply) (1)																	
Electrical meter type	1~	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	3~ balanced	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3~ unbalanced	-	1	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1

(1) only if the electricity company demands to consume a limited amount of electricity and does not shut down the power supply

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4 Combination table

4 - 1 Combination Table

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V

Factory-mounted equipment for ·EPVX(10/14)S*AJ*·

Description	EPVX(10/14)S*AJ*			
Reversible model ·EPVX·	18 - 4V	18 - 9W	23 - 4V	23 - 9W
Backup heater ·4.5KW 1N~230V·	o	-	o	-
Backup heater ·4.5KW 3~400V·	o	-	o	-
Backup heater ·6-9KW 1N~230V·	-	o	-	o
Backup heater ·6-9KW 3N~400V·	-	o	-	o
Domestic hot water tank ·180L·	o	o	-	-
Domestic hot water tank ·230L·	-	-	o	o

Outdoor combination table for ·EPVX(10/14)S*AJ*·

		EPSK06ARV3	EPSK(08/10)AR(V3/W1)	EPSK(12/14)ARW1
EPVX10S(18/23)AJ(4V/9W)	Reversible indoor unit	o	o	-
EPVX14S(18/23)AJ(4V/9W)	Reversible indoor unit	-	-	o

Kit availability

Reference	Description		EPVX(10/14)S*AJ*			
EPVX	Reversible indoor unit		18 - 4V	18 - 9W	23 - 4V	23 - 9W
BRC1HHDA*	HCI (Human Comfort Interface)		o	o	o	o
EKPCCAB4	PC cable	*(1)	o	o	o	o
KRCS01-1	Remote indoor sensor	*(2)	o	o	o	o
EKRSCA1	Remote sensor for outdoor	*(2)	o	o	o	o
FWXV10-15-20ABTV3(R)	Heat pump convector	*(3)	o	o	o	o
FWXT10-15-20ABTV3*	Heat pump convector	*(3)	o	o	o	o
FWXM10-15-20AATV3(R)	Heat pump convector	*(3)	o	o	o	o
EKRTWA	Wired room thermostat		o	o	o	o
EKRTRB	Wireless room thermostat		o	o	o	o
EKRTETS	External sensor room thermostat	*(4)	o	o	o	o
EKWUFHTA1V3	Multi-zoning base unit 230 V	*(5)	o	o	o	o
EKWCTRDI1V3	Digital thermostat 230 V	*(5)	o	o	o	o
EKWCTRAN1V3	Analogue thermostat 230 V	*(5)	o	o	o	o
EKWCVATR1V3	Actuator 230 V	*(5)	o	o	o	o
EKRRVATR2BA	Radiator Thermostat	*(6)	o	o	o	o
EKRUFHT61V3	Floor Heating Controller	*(6)	o	o	o	o
EKRACPUR1PA	Access Point	*(6)	o	o	o	o
EKRMIBEV1V3	Multi IO Box	*(6)	o	o	o	o
EKRSIBDI1V3	Basic IO Box	*(6)	o	o	o	o
EKRCTRDI2BA	Room Thermostat — ·1·	*(6)	o	o	o	o
EKRCTRDI3BA	Room Thermostat — ·2·	*(6)	o	o	o	o
EKRSENDI1BA	Room Sensor	*(6)	o	o	o	o
EKRELSG	Relay for Smart Grid		o	o	o	o
AFVALVE125	Freeze protection valve		o	o	o	o
ESAE04A*	Daikin Residential Controller		o	o	o	o
EKBUKRW1	BUH Rewiring kit		o		o	
EKBUKRW3	BUH Rewiring kit		o		o	

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EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V

Reference	Description		EPVX(10/14)S*AJ*
EKMIKPOAF	Mixing kit – PCB only		o
EKMIKPHAF	Mixing kit – PCB with hydraulics		o
EKMIKHMAF	Hydraulics – mixed pump group	*(7)	o
EKMIKHUAF	Hydraulics – unmixed pump group	*(7)	o
EKMIKBVAF	Balancing vessel		o
EKMIKDIAF	Distributor for balancing vessel	*(8)	o

Kit availability for outdoor units

Reference	Description	EPSK06A*V3	EPSK(08/10)A*V3	EPSK(08/10)A*W1	EPSK(12/14)A*W1
EKMST4	Mounting stand	o	o	o	o

Notes

(1) Data cable for connection with PC.
(2) Only 1 remote sensor can be connected: indoor OR outdoor sensor.
(3) The valve kit is mandatory if a heat pump convector is installed on a reversible model (not mandatory for heating only models).
(4) ·EKRTETS· can only be used in combination with ·EKRTRB·
(5) Multi-zoning wired controls
(6) Daikin Home Controls (wireless)
(7) Only possible in combination with ·EKMIKPOAF·
(8) Only possible in combination with ·EKMIKBVAF· and ·EKMIKPHAF· or ·EKMIKHUAF·

Remark

Other combinations than mentioned in this combination table are prohibited.

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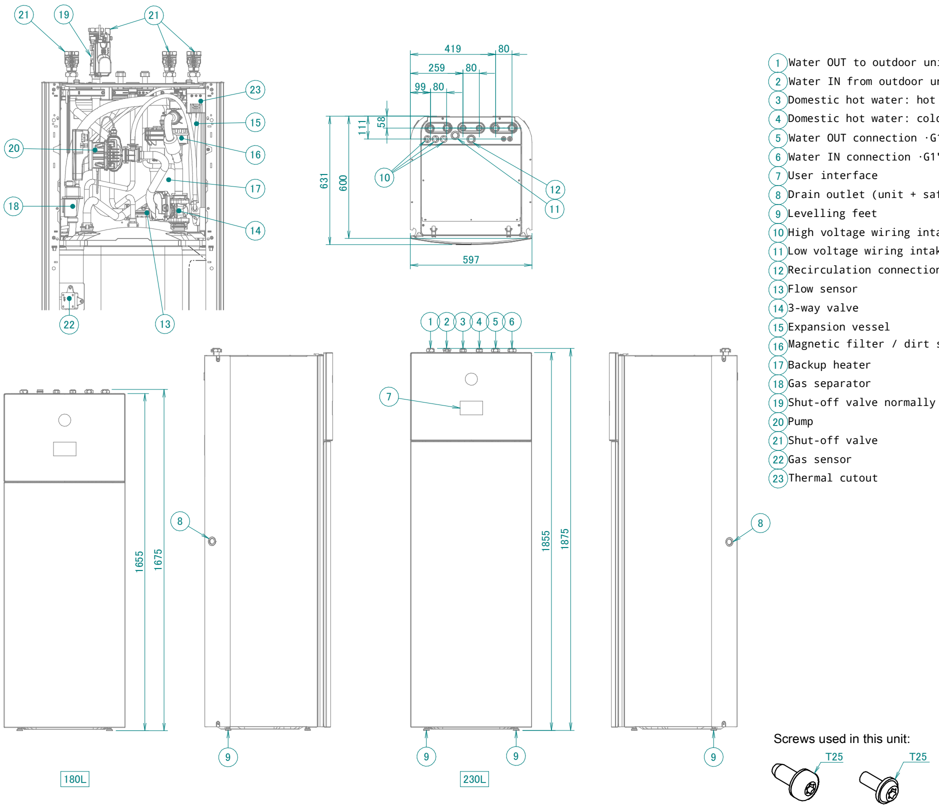
5 Dimensional drawings

5 - 1 Dimensional Drawings

EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V



1. Water OUT to outdoor unit
2. Water IN from outdoor unit
3. Domestic hot water: hot water out ·G3/4"· (female)
4. Domestic hot water: cold water in ·G3/4"·
5. Water OUT connection ·G1"· (female)
6. Water IN connection ·G1"· (female)
7. User interface
8. Drain outlet (unit + safety valve)
9. Levelling feet
10. High voltage wiring intake ·Ø24·
11. Low voltage wiring intake ·Ø26·
12. Recirculation connection ·G3/4"· (female)
13. Flow sensor
14. 3-way valve
15. Expansion vessel
16. Magnetic filter / dirt separator
17. Backup heater
18. Gas separator
19. Shut-off valve normally closed ··
20. Pump
21. Shut-off valve
22. Gas sensor
23. Thermal cutout

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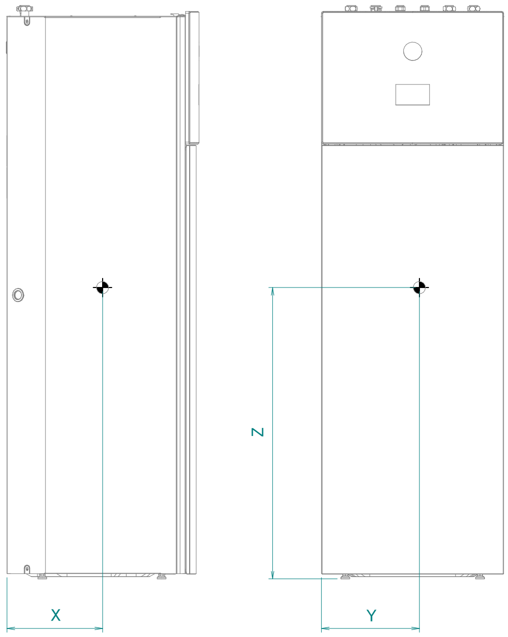
6 Centre of gravity

6 - 1 Centre of Gravity

EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V



MODEL	X	Y	Z
EPVX10S18*	307	321	853
EPVX10S23*	312	320	953
EPVX10SU18*	307	321	853
EPVX10SU23*	312	320	953
EPVX14S18*	307	321	853
EPVX14S23*	312	320	953
EPVX14SU18*	307	321	853
EPVX14SU23*	312	320	953

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7 Piping diagrams

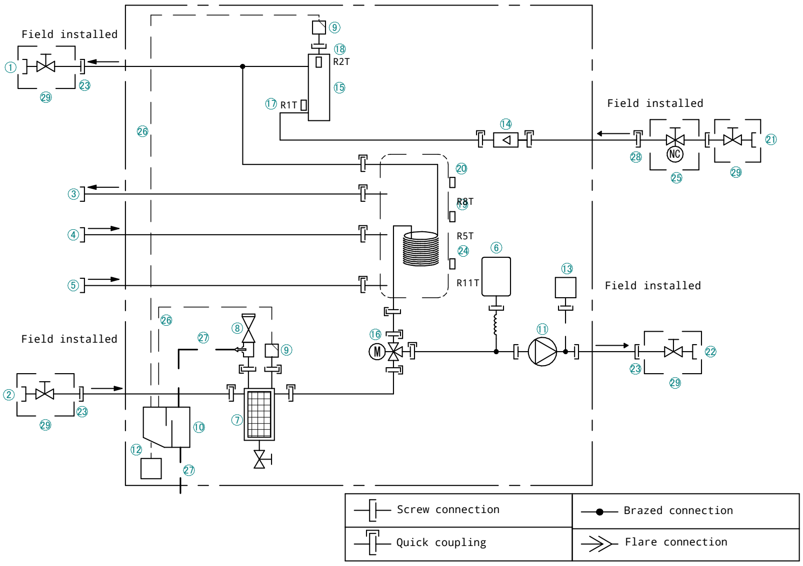
7 - 1 Piping Diagrams

EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V

1. Space heating - water OUT
2. Space heating - water IN
3. Domestic hot water: hot water out ·3/4"·
4. Domestic hot water: cold water in ·3/4"·
5. Recirculation connection ·3/4"· (female)
6. Expansion vessel
7. Magnetic filter / dirt separator
8. Safety valve
9. Air purge
10. Gas separator
11. Pump
12. Sensor
13. Space heating water pressure sensor
14. Flow sensor
15. Backup heater
16. 3-way valve (space heating/domestic hot water)
17. R1T -Inlet water thermistor
18. R2T -Outlet water backup heater thermistor
19. R5T -Tank thermistor
20. R8T -Tank thermistor

Field piping connections

21. Water in connection ·1"1/4·
22. Water out connection ·1"1/4·
23. Screw connection ·1"·
24. R11T - Tank thermistor
25. Shut-off valve normally closed ··
26. Hose for air purge
27. Drain hose for water
28. Quick connection
29. Shut-off valve ·1"-1"1/4· (male-female)



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8 Wiring diagrams

8 - 1 Notes & Legend

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V

NOTES to go through before starting the unit

X2M : Main Terminal Outdoor Unit
X40M : Main Terminal Indoor Unit
X41M : Main Terminal Back-Up Heater
X42M : Field Wiring for High Voltage
X44M + X45M : Field Wiring for SELV

— — — — — : Earth wiring
– – – – – – : Field supply
1 : Several wiring possibilities
: Option
: Wiring depending on model
: Not mounted in switch box
: PCB

Note 1 : Connection point of the power supply for the BUH should be foreseen outside the unit.

Backup heater power supply
- ☐ 4,5kW (1/N~, 230V)
- ☐ 4,5kW (3/N~, 400V)
- ☐ 4,5kW (3~, 230V)
- ☐ 4,5kW (2~, 230V)
- ☐ 6kW (1/N~, 230V)
- ☐ 9kW (3/N~, 400V)

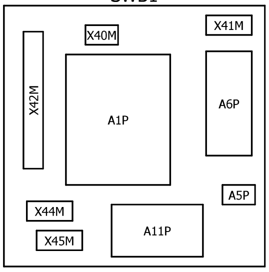
User installed options:
- ☐ Remote User Interface
- ☐ Ext. indoor thermistor
- ☐ Ext. outdoor thermistor
- ☐ Safety thermostat
- ☐ Smartgrid kit
- ☐ W-LAN Cartridge
- ☐ Bizone Mixing Kit

Main LWT:
- ☐ On/OFF thermostat (wired)
- ☐ On/OFF thermostat (wireless)
  - ☐ Ext. thermistor
- ☐ Heat pump convector

Add LWT:
- ☐ On/OFF thermostat (wired)
- ☐ On/OFF thermostat (wireless)
  - ☐ Ext. thermistor
- ☐ Heat pump convector

POSITION IN SWITCH BOX

SWB1



LEGEND

Translation can be found in the installation manual.

* : Optional
# : Field supply

Part n°		Description
A1P		Hydro PCB
A2P	*	On/OFF thermostat (PC=power circuit)
A3P	*	Heat Pump Convector
A5P		Power Supply PCB
A6P		Multi-Step Back-Up Heater PCB
A9P		Daikin Eye (Status indicator)
A11P		Interface PCB
A12P		Display PCB
A14P	*	Remote User Interface
A15P	*	Receiver PCB (wireless On/OFF thermostat)
A30P	*	Bizone Mixing Kit PCB
B2L		Flow sensor
B4L		Gas Sensor
B1PW		Water pressure sensor
CN* (A5P)		Connector
E1H		Backup heater element
E2H		Backup heater element
E3H		Backup heater element
E4H		Backup heater element
E5H		Backup heater element
E*P (A9P)		Indication LED
F1B	#	Overcurrent fuse backup heater
F2B	#	Overcurrent fuse Main
F1T		Thermal Fuse backup heater
FU1 (A1P)		Fuse T 5 A 250 V for PCB
K1A, K2A	*	High voltage smartgrid relay
K*R (A*P)		Relay on PCB
K80* (A6P)		Relay on PCB
M1P		Unit Pump
M1S		Stepper Motor Valve 1 Diverter 3-Way Valve

Part n°		Description
M2P	#	Domestic hot water pump
M2S	#	2-Way valve for cooling mode
M4S		Shut off valve - Inlet Leak Stop
P* (A14P)	*	Terminal
P1M		Display
PC (A15P)	*	Power circuit
PHC-T (A6P)		Thermal cutout detection
Q*DI	#	Earth Leakage Circuit Breaker
Q1L		Thermal protector backup heater
Q4L	#	Safety thermostat
R1H (A2P)	*	Humidity sensor
R1T (A1P)		Outlet water heat exchanger thermistor
R1T (A2P)	*	Ambient sensor On/OFF thermostat
R1T (A14P)	*	Ambient sensor user interface
R2T (A1P)		Outlet backup heater thermistor
R2T (A2P)	*	External sensor (floor or ambient)
R5T, R8T, R11T		Domestic hot water thermistor
R6T	*	External in- or outdoor ambient thermistor
S1S	#	Preferential kWh rate PS contact
S2S	#	Electrical meter pulse input 1
S3S	#	Electrical meter pulse input 2
S4S	#	Smartgrid feed-in
S10S-S11S	#	Low voltage smartgrid contact
ST6 (A30P)		Connector
TS1		Touch Sensor
X*A, X*Y, X*Y*		Connector
X*M		Terminal strip

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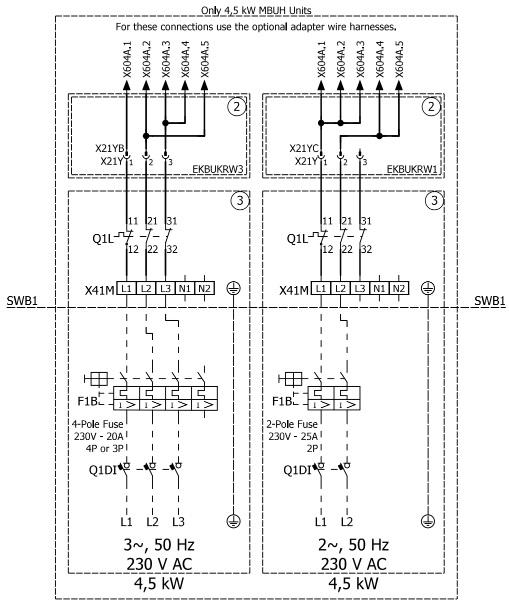
8 Wiring diagrams

8 - 2 Wiring Diagrams - Hydro Module

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



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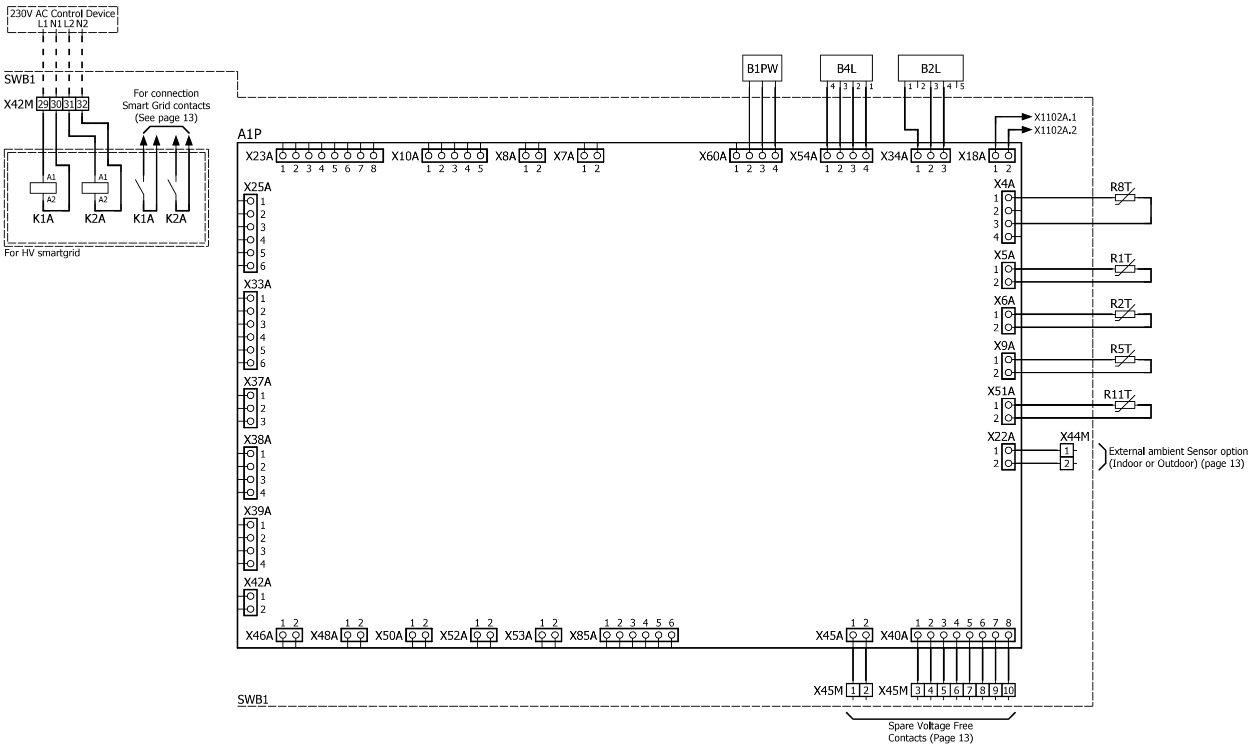
EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



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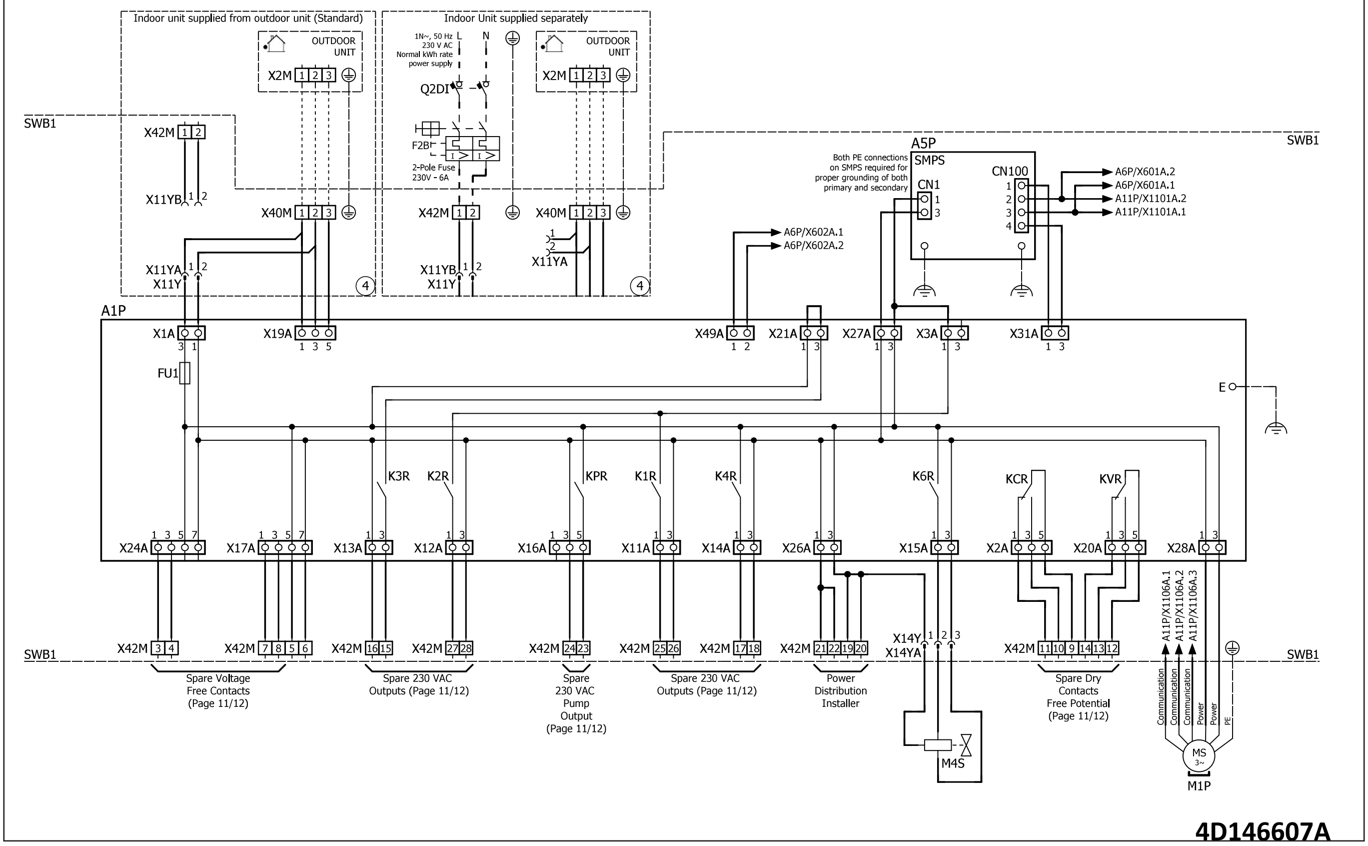
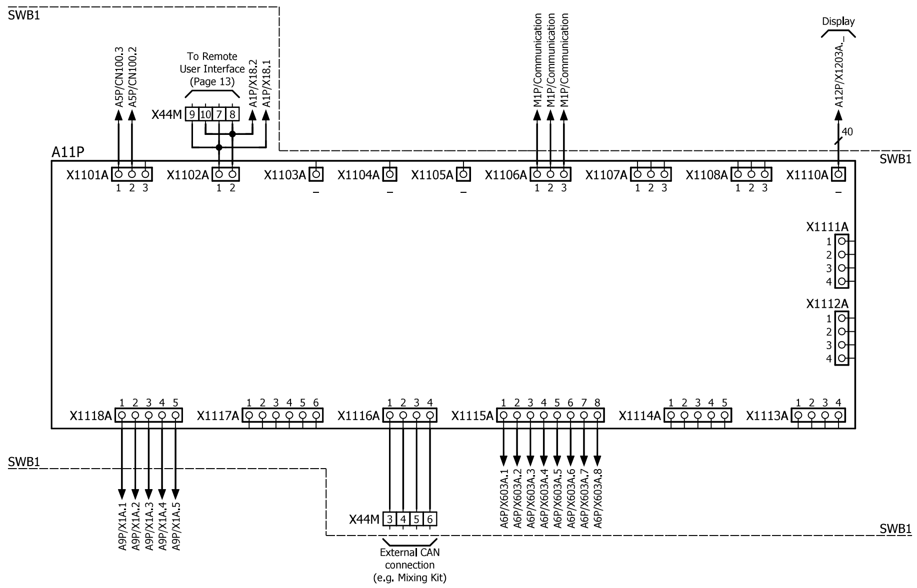
8 Wiring diagrams

8 - 2 Wiring Diagrams - Hydro Module

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



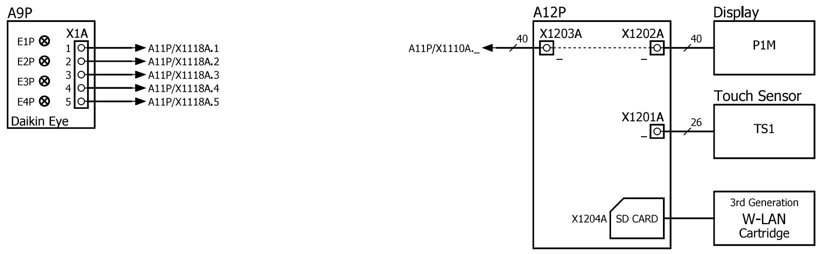
EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



8 Wiring diagrams

8 - 2 Wiring Diagrams - Hydro Module

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



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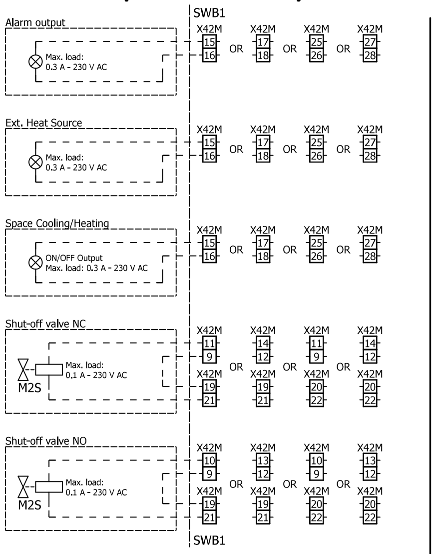
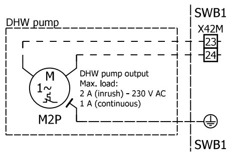
EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V

Connection Possibilities for X42M (Page 1/2)





X42M Ports	Description	Max No. of wires per position
1	Alternative Power Supply - L (230 VAC)	1
2	Alternative Power Supply - N (230 VAC)	1
3	Input 1 Room Thermostat 1 (Voltage Free)	1
4	Input 2 Room Thermostat 1 (Voltage Free)	1
5	L Room Thermostat (1 & 2)	2
6	N Room Thermostat (1 & 2)	2
7	Input 1 Room Thermostat 2 (Voltage Free)	1
8	Input 2 Room Thermostat 2 (Voltage Free)	1
9	Spare Dry Contact Free Potential 1 - COM	1
10	Spare Dry Contact Free Potential 1 - NO	1
11	Spare Dry Contact Free Potential 1 - NC	1
12	Spare Dry Contact Free Potential 2 - COM	1
13	Spare Dry Contact Free Potential 2 - NO	1
14	Spare Dry Contact Free Potential 2 - NC	1
15	Spare 230 VAC Output 1 (NO)	1
16	Spare 230 VAC Output 1 (N)	1
17	Spare 230 VAC Output 2 (NO)	1
18	Spare 230 VAC Output 2 (N)	1
19	Power Distribution Installer - L (230 VAC)	2
20	Power Distribution Installer - L (230 VAC)	2
21	Power Distribution Installer - N (230 VAC)	2
22	Power Distribution Installer - N (230 VAC)	2
23	Spare 230 VAC Output Pump (NO)	1
24	Spare 230 VAC Output Pump (N)	1
25	Spare 230 VAC Output 3 (NO)	1
26	Spare 230 VAC Output 3 (N)	1
27	Spare 230 VAC Output 4 (NO)	1
28	Spare 230 VAC Output 4 (N)	1
29	HV Smart Grid 1 - L (230 VAC)	1
30	HV Smart Grid 1 - N (230 VAC)	1
31	HV Smart Grid 2 - L (230 VAC)	1
32	HV Smart Grid 2 - N (230 VAC)	1

Note:
1. For Ports 3-4 and 7-8: Only ON/OFF voltage free contacts

2. Terminal combinations can only be used for one option.

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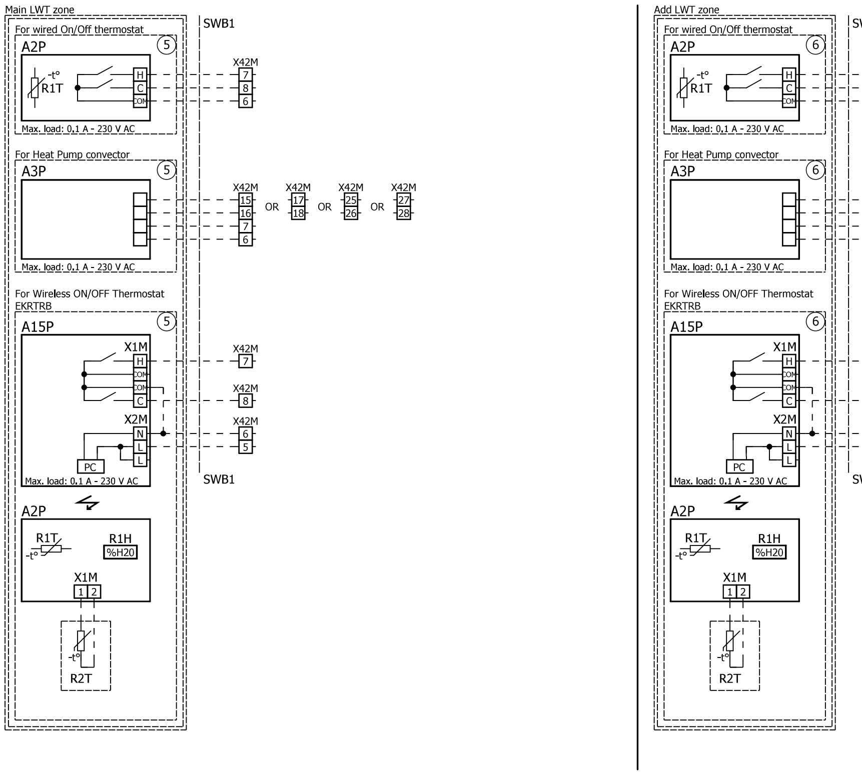
8 Wiring diagrams

8 - 2 Wiring Diagrams - Hydro Module

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V

Connection Possibilities for X42M (Page 2/2)



Note:

Refer to page 10 of the Wiring Diagram for Terminal Block designation legend.

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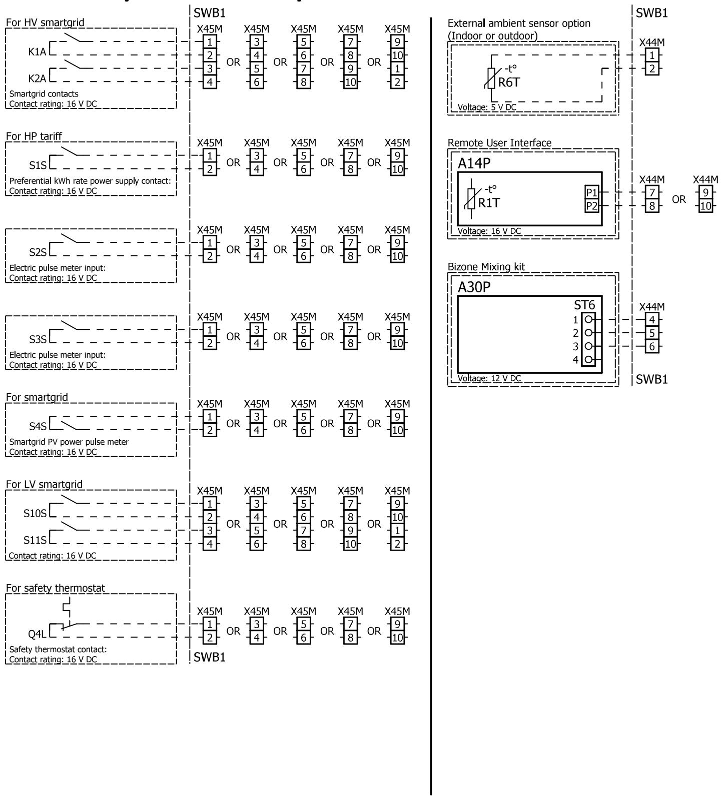
EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V

Possible connections for X44M / X45M



X44M Ports	Description	Max No. of wires per position
1	External Thermistor	1
2	External Thermistor GND	1
3	CAN Bus VCC	1
4	CAN Bus High	1
5	CAN Bus Low	1
6	CAN Bus GND	1
7	P1 - 1	1
8	P2 - 1	1
9	P1 - 2	1
10	P2 - 2	1

X45M Ports	Description	Max No. of wires per position
1	Spare Voltage Free Contact NO 1	1
2	Spare Voltage Free Contact GND 1	1
3	Spare Voltage Free Contact NO 2	1
4	Spare Voltage Free Contact GND 2	1
5	Spare Voltage Free Contact NO 3	1
6	Spare Voltage Free Contact GND 3	1
7	Spare Voltage Free Contact NO 4	1
8	Spare Voltage Free Contact GND 4	1
9	Spare Voltage Free Contact NO 5	1
10	Spare Voltage Free Contact GND 5	1

Notes:
1. Recommended to use High Grade Contact material
2. For Ports 1 to 10 of X45M: Only ON/OFF voltage free contacts
3. Terminal combinations can only be used for one option.

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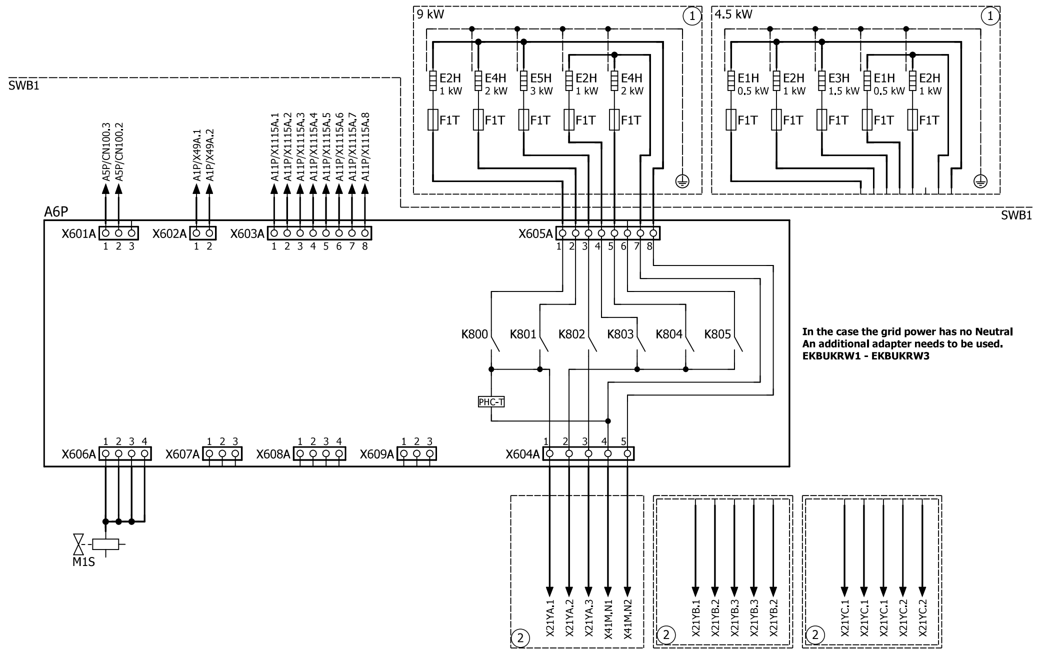
8 Wiring diagrams

8 - 3 Power Supply, Back-up Heater

EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



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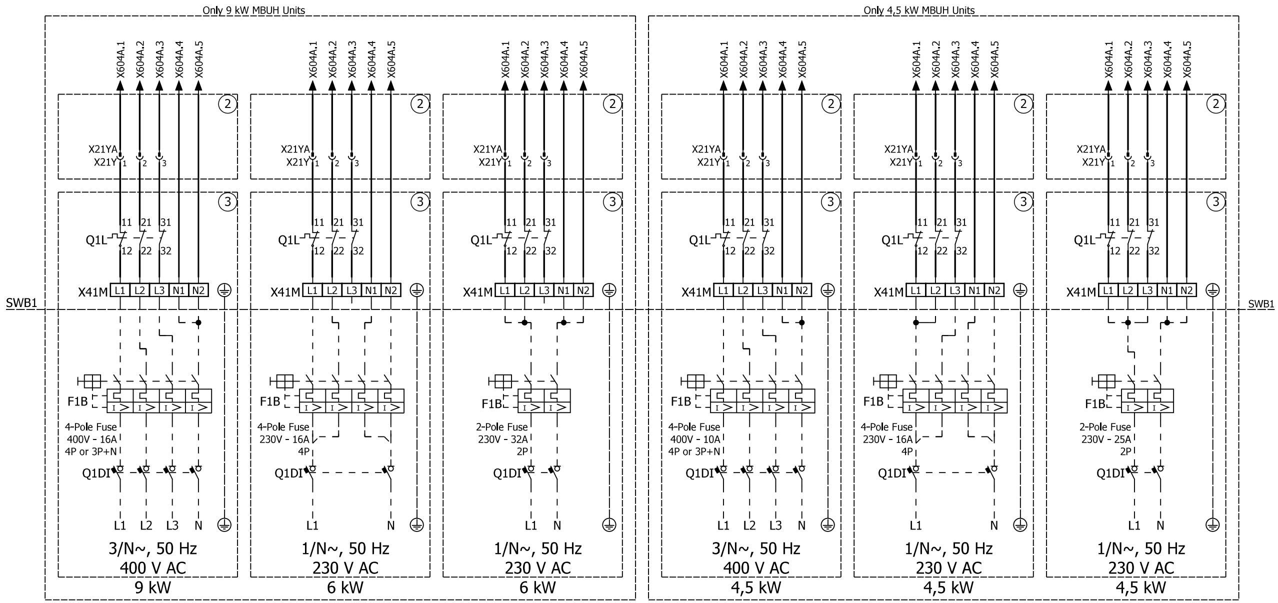
EPVX10A4V / EPVX10A9W / EPVX10UA4V
EPVX14A4V / EPVX14A9W / EPVX14UA4V



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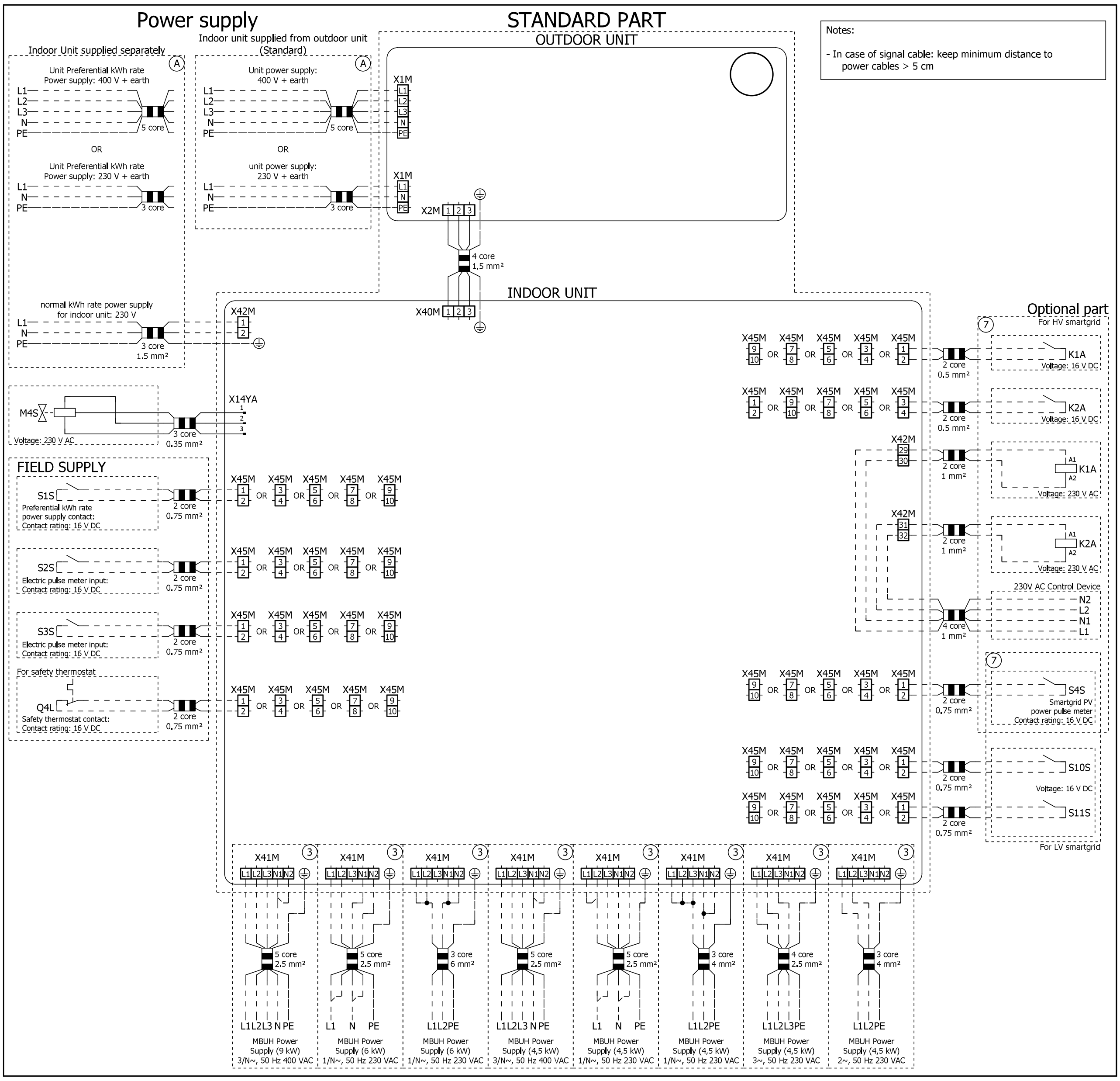
9 External connection diagrams

9 - 1 External Connection Diagrams

EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V

Electrical connection diagram Altherma 4 Floorstanding

For more details please check unit wiring



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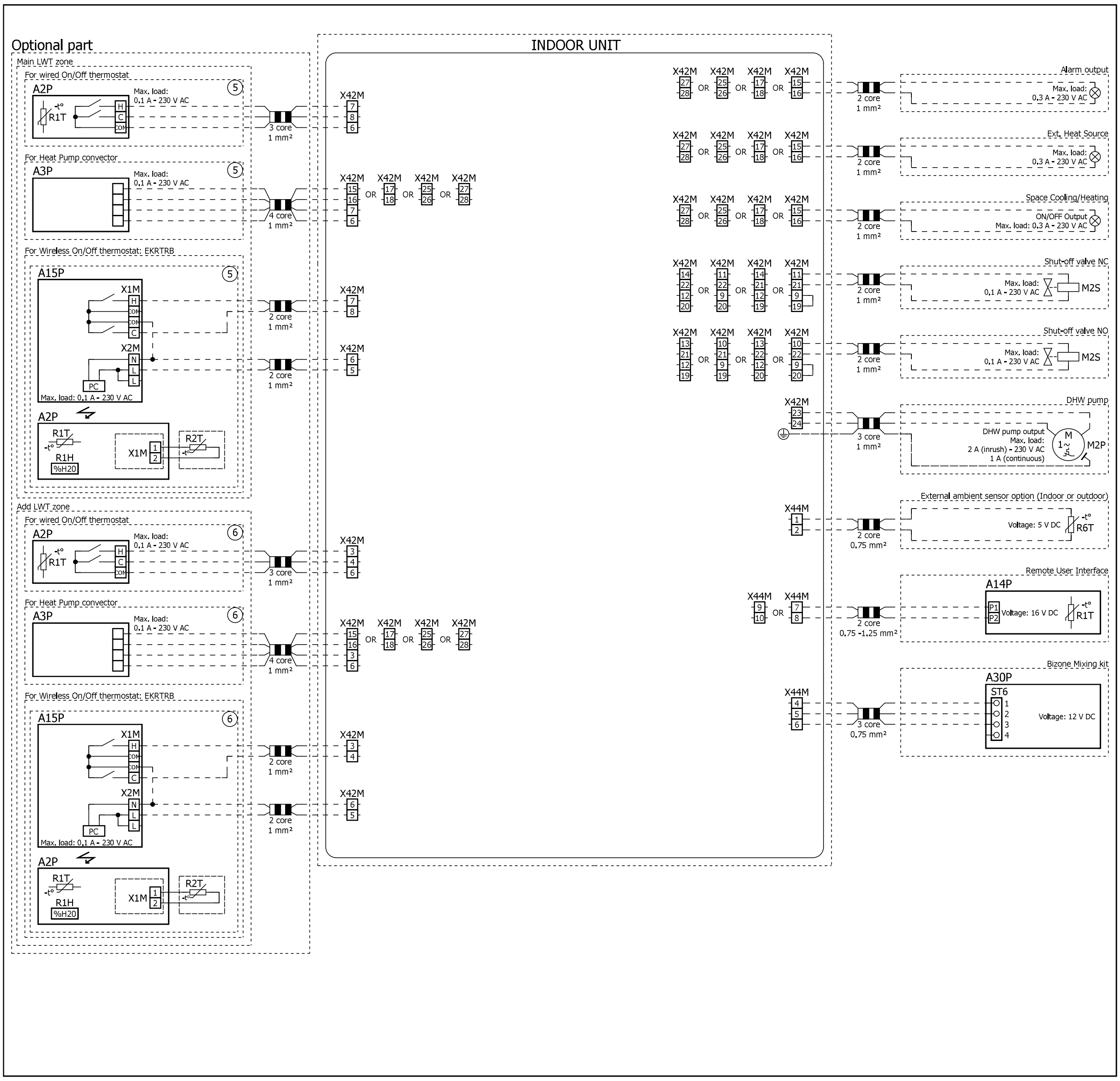
9 External connection diagrams

9 - 1 External Connection Diagrams

EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V

Electrical connection diagram Altherma 4 Floorstanding For more details please check unit wiring



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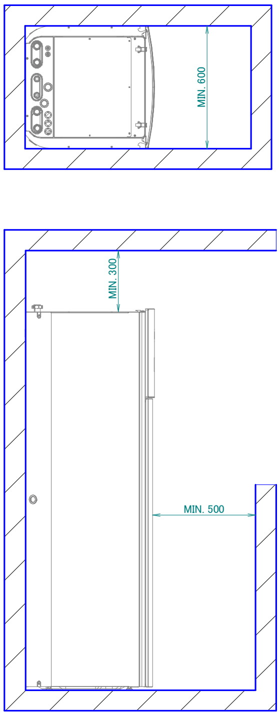
10 Installation

10 - 1 Installation Method

EPVX10A4V
EPVX10A9W
EPVX10UA4V
EPVX14A4V
EPVX14A9W
EPVX14UA4V



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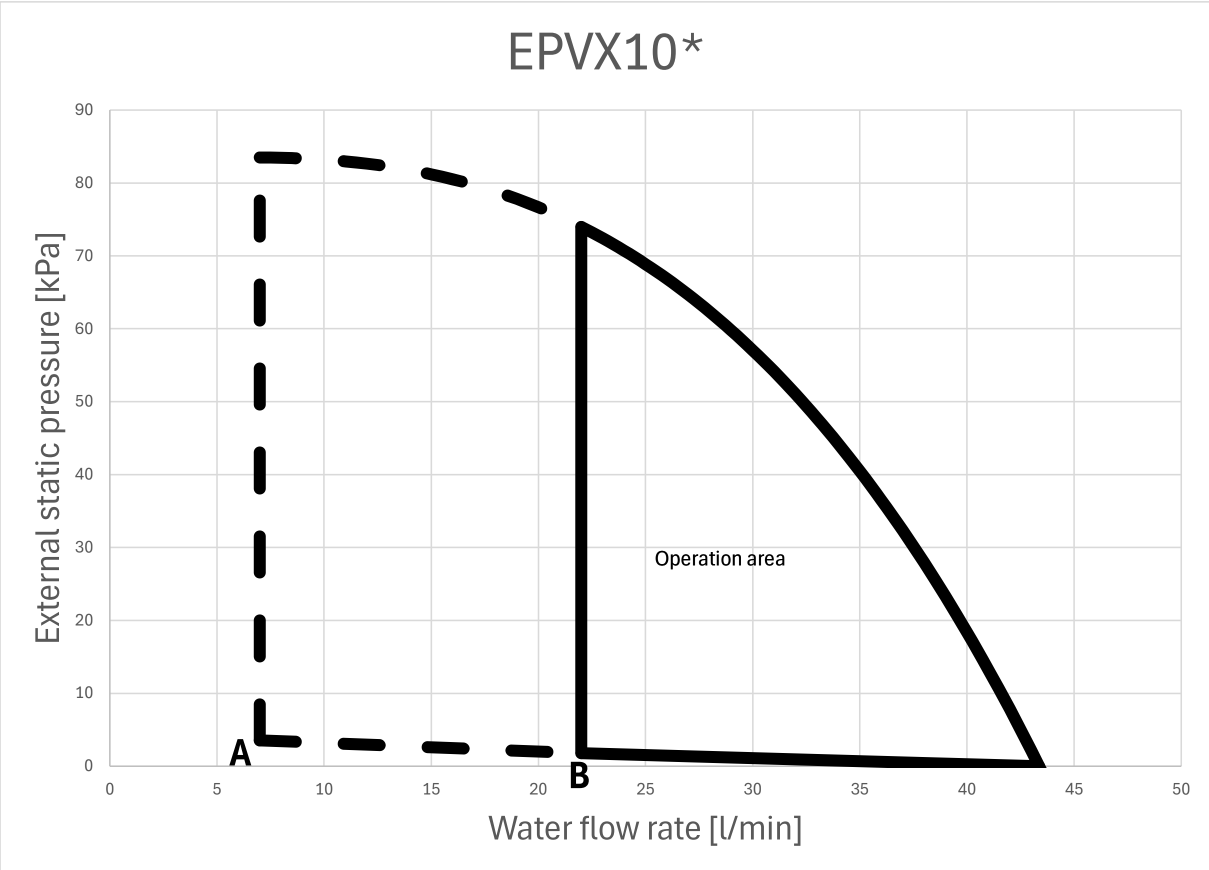
11 Hydraulic performance

11 - 1 Static Pressure Drop Unit

EPVX10A4V
EPVX10A9W
EPVX10UA4V



A Minimum water flow rate during normal operation

B Minimum water flow rate during defrost/backup heater operation

Operation area is extended to lower flow rates only in case the unit operates with heat pump only.
See dashed lines

Notes
1. Selecting a flow outside the operating area can damage the unit or cause the unit to malfunction. See also the minimum and maximum allowed water flow range in the technical specifications.
2. Make sure water quality complies with EU Directive ·2020/2184·
3. Unit "External static pressure" includes the shut-off valve

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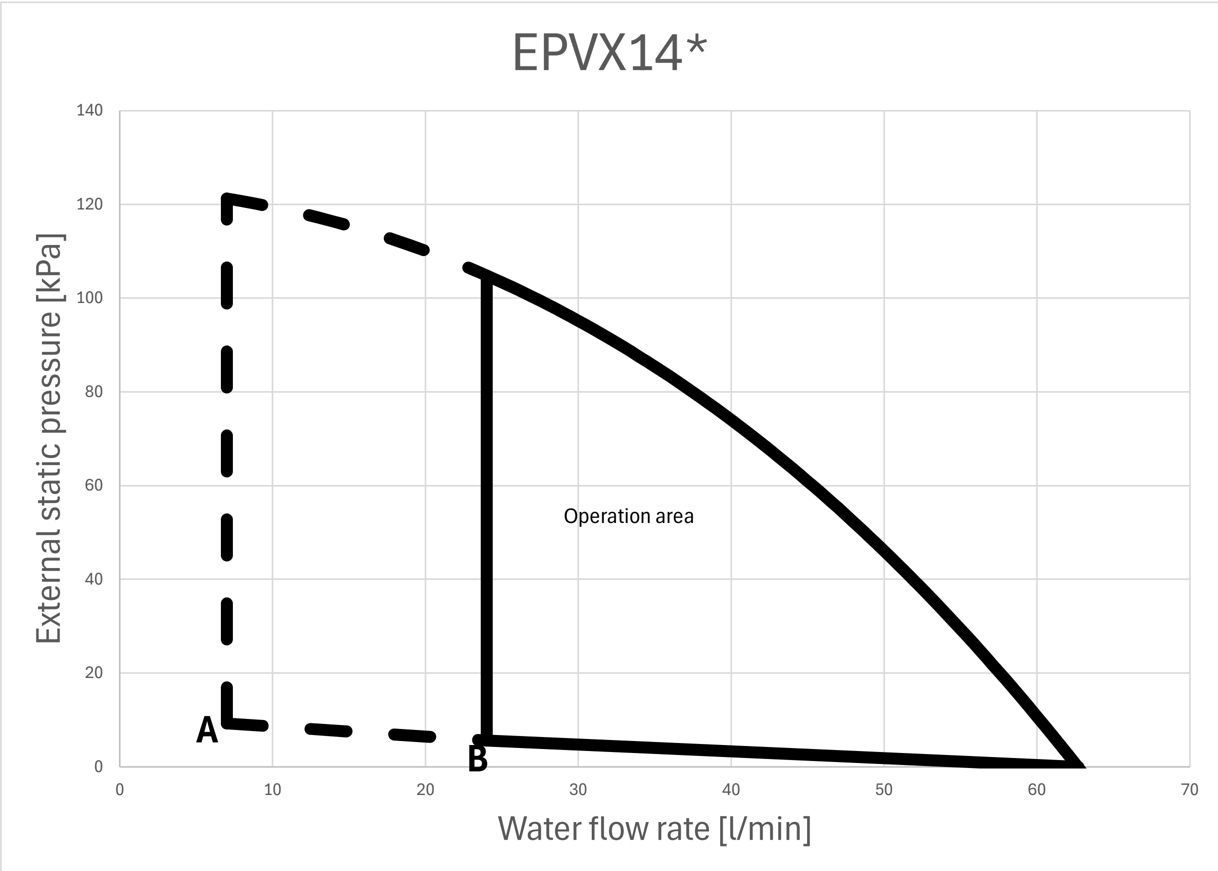
11 Hydraulic performance

11 - 1 Static Pressure Drop Unit

EPVX14A4V
EPVX14A9W
EPVX14UA4V



A	Minimum water flow rate during normal operation
B	Minimum water flow rate during defrost/backup heater operation

Operation area is extended to lower flow rates only in case the unit operates with heat pump only.
See dashed lines

Notes

1. Selecting a flow outside the operating area can damage the unit or cause the unit to malfunction. See also the minimum and maximum allowed water flow range in the technical specifications.
2. Make sure water quality complies with EU Directive ·2020/2184·
3. Unit "External static pressure" includes the shut-off valve

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