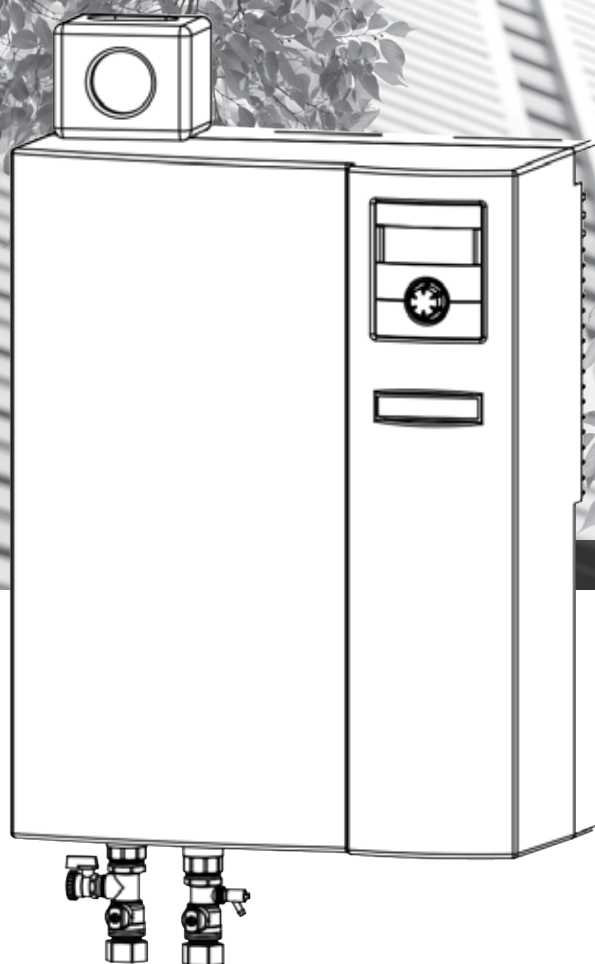


the better way to heat



Accessories for
Dual Air / Water Heat Pumps

Supplement to Operating Manual

Device Information

Hydraulic Module HMD 1/(R)SE

83062600eUK – Translation into English of the original German operating manual





Please read first

The “Model Device Information” is an integral part of the product. It supplements the operating manual “HMD I/E Air/Water Heat Pump, Outdoor Installation”. In addition to this “Model Device Information”, the operating manual “HMD I/E” must also be available to you.

Since this “Model Device Information” was written for several different models of the unit, always comply with the parameters for the respective model.

The “Model Device Information” is intended only for persons assigned to work on or operate the unit. Treat all constituent parts confidentially. The information contained herein is protected by copyright. No part of this information may be reproduced, transmitted, copied, stored in electronic data systems or translated into another language, either wholly or in part, without the express written permission of the manufacturer.



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PLEASE READ FIRST2

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Technical data/scope of delivery

Unit designation		
Accessory for heat pump model	LWD 50ASX - LWD 70ASX LWD 50ARSX - LWD 70ARSX	• applicable — not applicable
	Functionally necessary	• applicable — not applicable
Installation location	Indoors Outdoors	• applicable — not applicable
	Maximum indoor temperature	°C
	Maximum relative humidity	%
Conformity		CE
Heating circuit	Heating circuit efficiency pump	integrated: • yes — no
	Heating circuit free compression Δp (factory setting) Maximum free compression Δp_{max} Volume flow	bar bar l/h
	Volume flow: minimum flow rate maximum flow rate	l/h
	max. permissible operating pressure	bar
	Integrated expansion vessel Volume Initial pressure	• yes — no l bar
	Buffer tank	integrated: • yes — no
	Heat metering and/or flow rate display	integrated: • yes — no
General unit data	Housing dimensions (Height Width Depth)	mm mm mm
	Total weight	kg
	Connections	Heating water inlet (forward flow) Hot water outflow (forward flow)
Electrics	Voltage code three-phase circuit breaker heat pump 5 kW**)	... A
	Voltage code three-phase circuit breaker heat pump 7 kW**)	... A
	Voltage code circuit breaker control voltage **)	... A
	Voltage code circuit breaker electric heating element 1~230V**)	... A
	Voltage code circuit breaker electric heating element 3~230V**)	... A
	Protection type	IP
	Output electric heating element 3 2 1 phase	kW kW kW
	Heating circuit pump: maximum power consumption current consumption	kW A
Safety equipment	Safety assembly heating circuit Safety assembly heat source	in scope of delivery: • yes — no
Heating and heat pump regulator		Incl. in scope of delivery: • yes — no
Overflow valve		integrated: • yes — no

** comply with local regulations

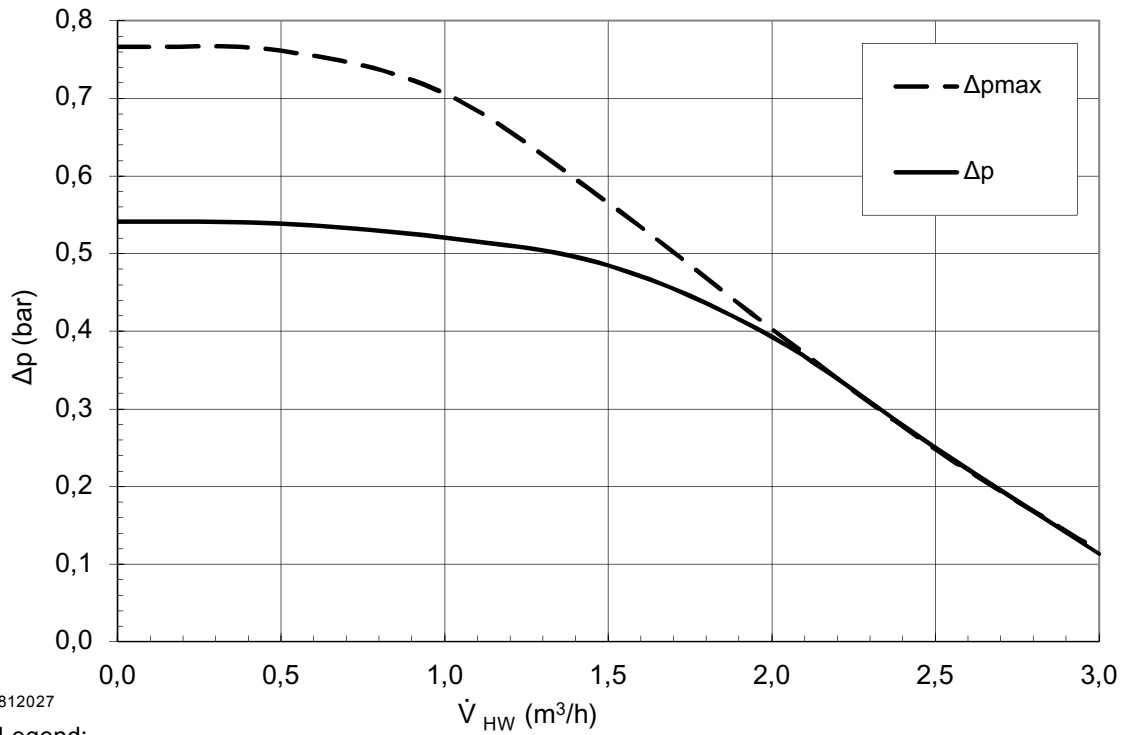


	HMD 1/SE	HMD 1/RSE
	• —	— •
	•	•
	• —	• —
	—	35
	—	60
	•	•
	—	—
	0,46 0,54 1600	0,46 0,54 1600
	900 2000	900 2000
	3	3
	• 12 1,5	• 12 1,5
	—	—
	•	•
	695 550 330	695 550 330
	25	25
	R 1" Innen	R 1" Innen
	R 1" Innen	R 1" Innen
	1~/N/PE/230V/50Hz C16	1~/N/PE/230V/50Hz C16
	1~/N/PE/230V/50Hz C20	1~/N/PE/230V/50Hz C20
	1~/N/PE/230V/50Hz B16	1~/N/PE/230V/50Hz B16
	1~/N/PE/230V/50Hz B32	1~/N/PE/230V/50Hz B32
	3~/PE/230V/50Hz B16A	3~/PE/230V/50Hz B16A
	20	20
	6 4 2	6 4 2
	0,07 0,31	0,07 0,31
	• —	• —
	•	•
	—	—
	813312b	813313b



Free compression

HMD 1/(R)SE



812027

Legend:

\dot{V}_{HW}

Heating water volume flow in m³/h

Δp

Free compression (factory setting)

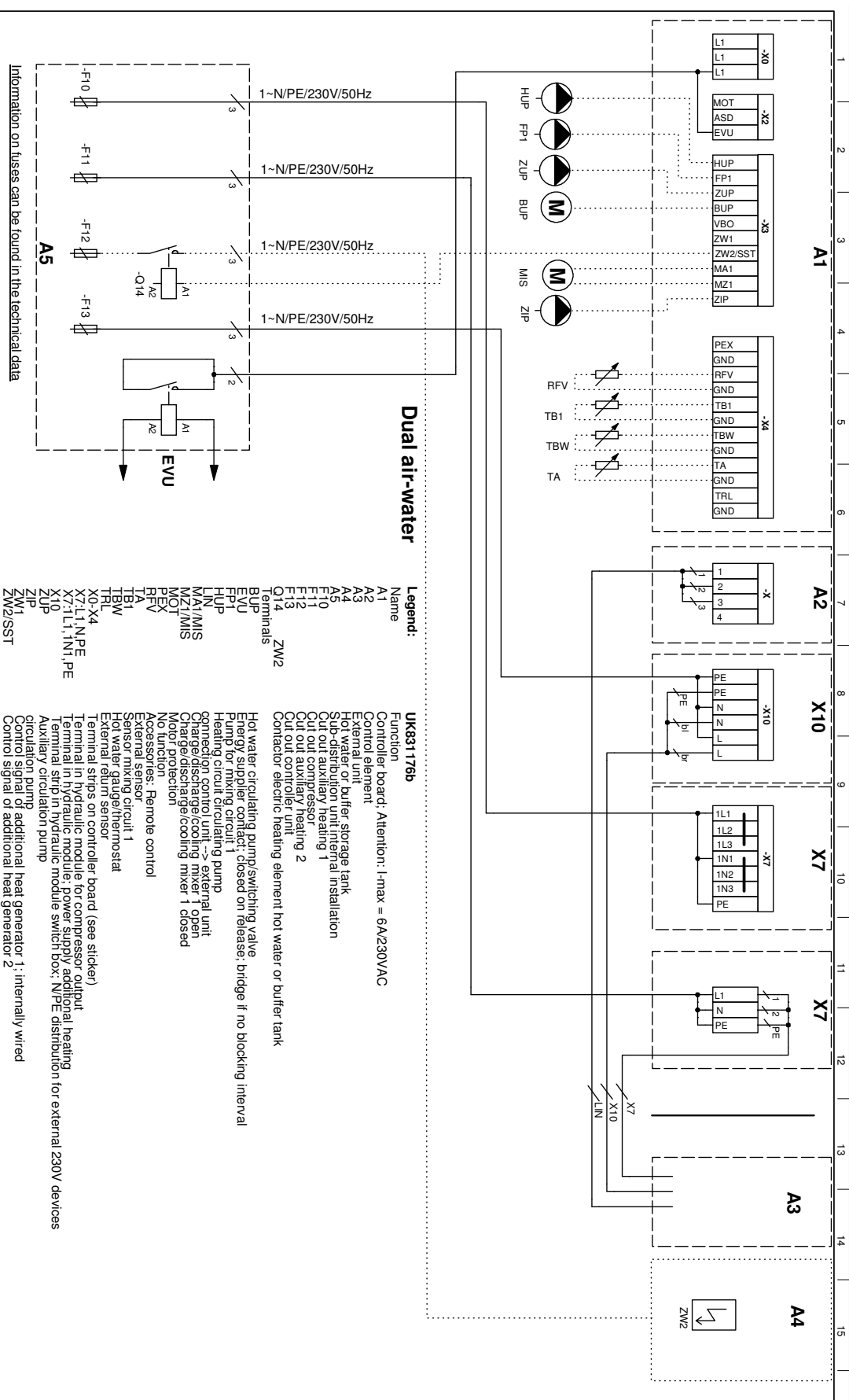
Δp_{max}

Free compression maximum



HMD 1/(R)SE

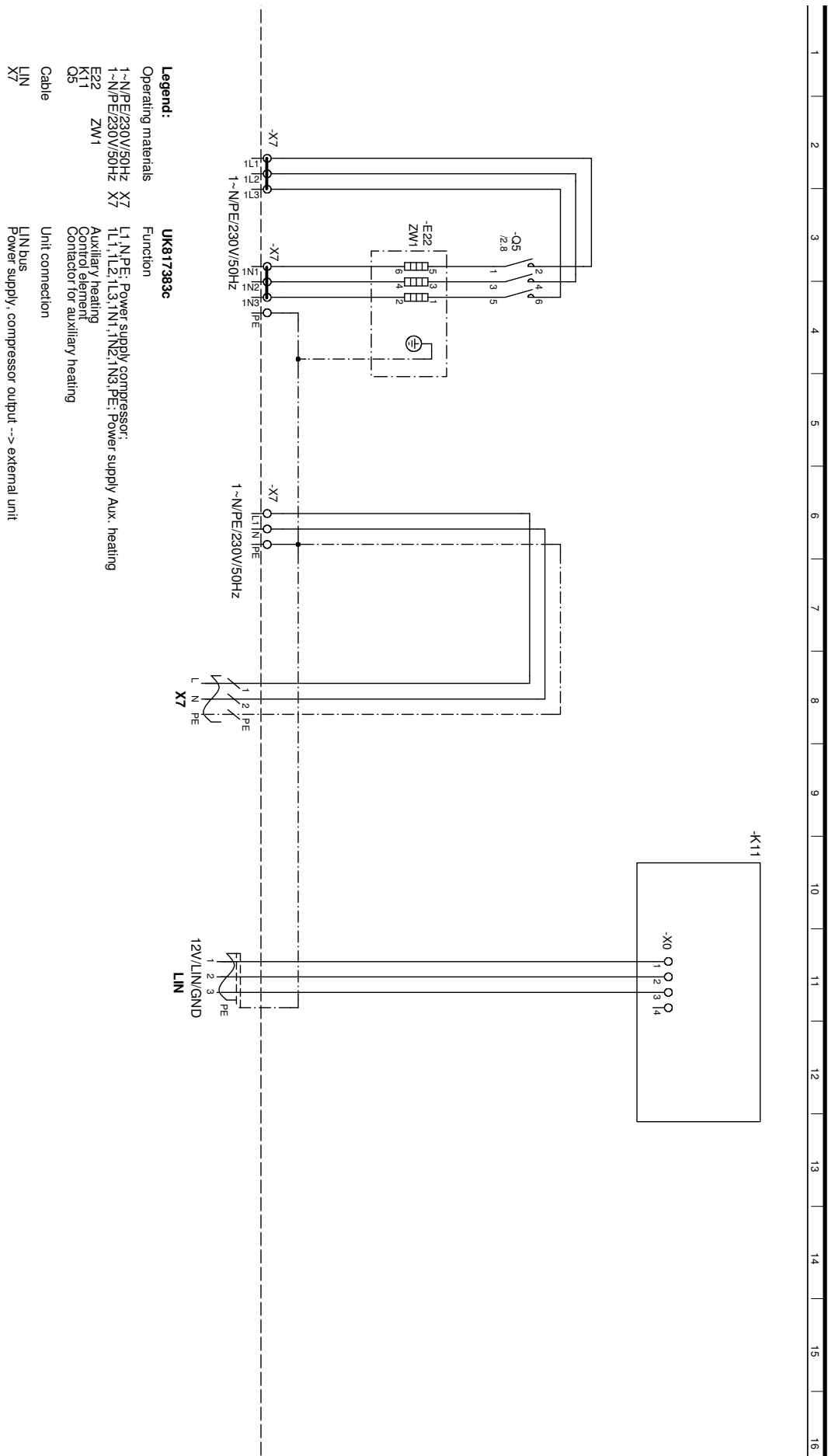
Terminal diagram





Circuit diagram 1/2

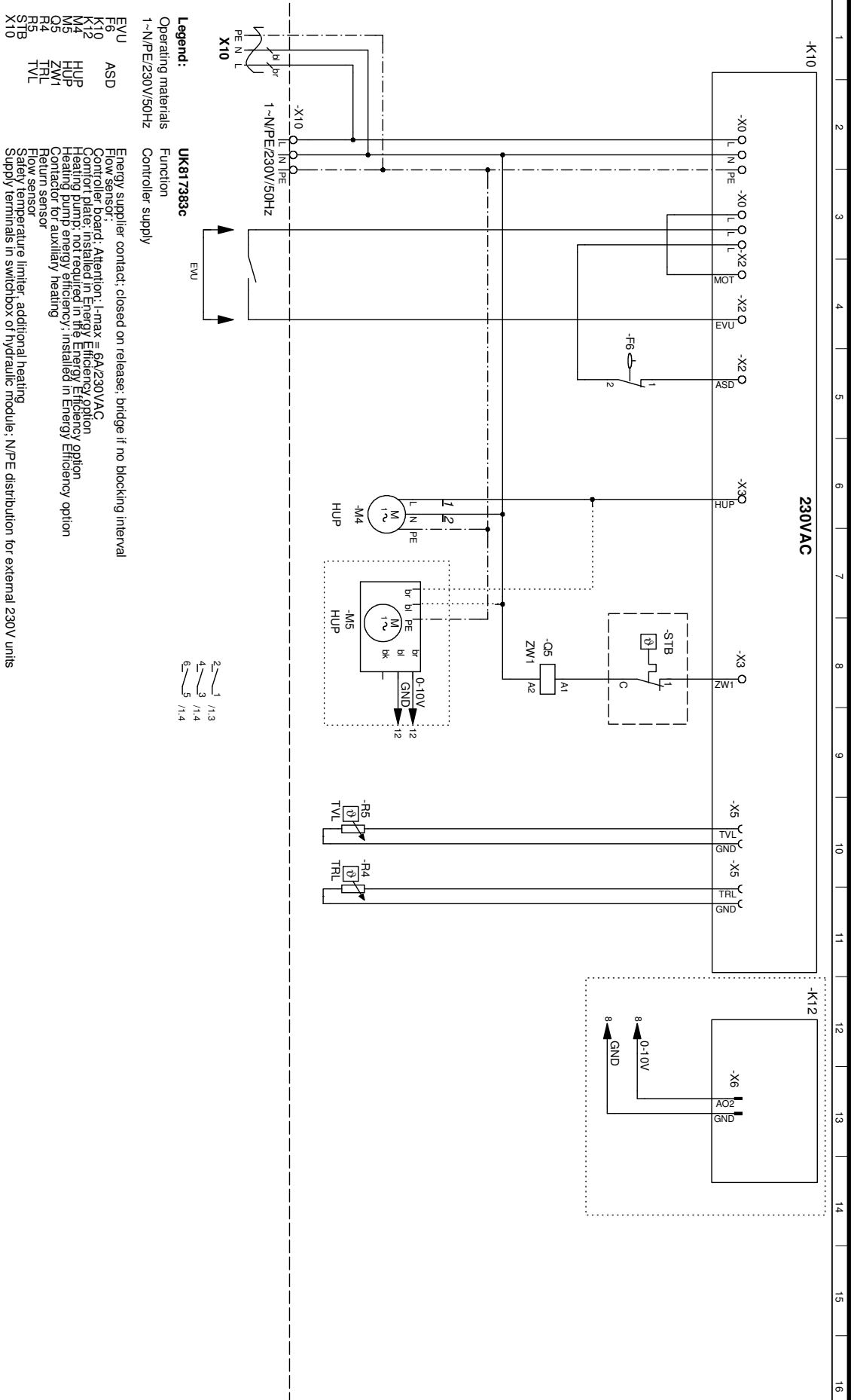
HMD 1/(R)SE





HMD 1/(R)SE

Circuit diagram 2/2





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