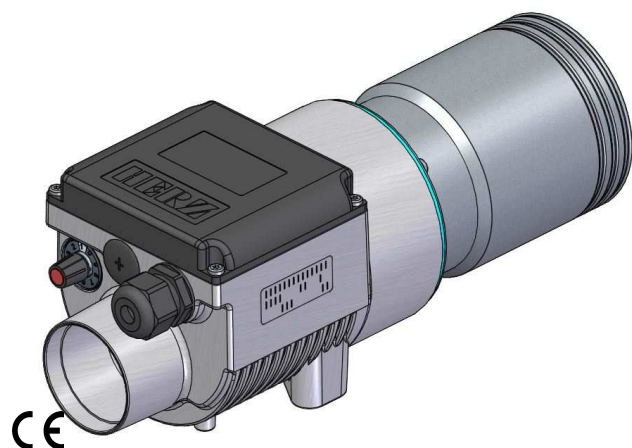


## Air heater type XL92 5,9 to 17,4 KW



**Function:** Air heater with external air supply by means of fan or compressed air.  
CAUTION !!! Device is not pressure-resistant !!!

**Configuration:** Default: Temperature control with potentiometer (1 – 9)  
 - alternatively with external potentiometer (cable length 5 meter) or  
 - external control by control unit or SPS (cable length per meter)  
 The Device is equipped with a reliable heating element protection. The integrated device protection turns off the device when tripped, the fault must be with a "reset" reset again.

**Features:** Special designs with internal thermocouple (cable length 1 or 5 meter)  
 - for devices with electronic equipment max. supply air temperature 50°C  
 - the unit is available without electronics (without heating element and device protection)  
 - for devices without electronic equipment max. supply air temperature 150°C

**Power:** 5,9 KW – 17,4 KW  
**Voltage:** 400-440-480 VAC

### Technical data:

Item number		5700098	5102747	5102761	5102762	5102760	5102765
<b>Voltage</b>	VAC	230 (3Ph)		400 - 480		400 - 440	
<b>Frequency</b>	Hz	50 / 60					
<b>Power</b>	KW	5,7	10,2	5,9 - 8,5	7,6 - 10,9	11,8 - 17,1	17,4 - 21,0
<b>Current</b>	A	14,4	25,6	8,5 - 10,2	10,9 - 13,2	17,1 - 20,5	25,1 - 27,6
<b>Max. temperature</b>	°C	650					
<b>Min. air volume</b>	l/min	550	930	560	680	950	1480
<b>Weight</b>	kg	3,3					
<b>Air intake</b>	Ø mm	60					
<b>Air outlet</b>	Ø mm	84					
<b>Heater tube</b>	Ø mm	92 / 102					
<b>Dimensions</b>	mm (L x W x H)	335 x 123 x 124					
<b>Conformity mark</b>							
<b>Protection class I</b>							

## Air heater type XL92 5,9 to 17,4 KW

Product description:	Connection scheme:	
	<b>With electronics</b> 	<b>Without electronics</b> 
<ol style="list-style-type: none"> <li>1. Cable fitting mains supply</li> <li>2. Cable fitting control cable for external control</li> <li>3. Potentiometer 0-9 (no Potentiometer for devices without electronic and external control)</li> <li>4. Mounting on bottom of housing M 8 (screw depth 16 mm)</li> <li>5. Heating element pipe (type L= 62mm; type XL = 92 mm)</li> <li>6. Cover</li> <li>7. Data plate</li> <li>8. Air intake Ø 38mm</li> </ol>	<ol style="list-style-type: none"> <li>1. L1, N or L1, L2 or L1, L2, L3 Main connection according to data plate</li> <li>2.  earth</li> <li>3. 1 – 3 potential-free changeover contact (230VAC, 1A)                      - 2 → 1 = close                      - 2 → 3 = open</li> <li>4. +/- external control signal from for example SPS or Controller (PWM 12 – 24VDC max. 5,0Hz)</li> </ol> <p><b>NOTE:</b> For devices without electronics, the terminals + / - and 1/2/3 not available!</p>	

**NOTE:**

After activation of the heating element and / or equipment protection is indicated on the devices with electronics has a relay contact this disorder. The built-in relay, will give the following model with the terminals 1-3 (3), a potential-free changeover contact. This signal can only be a "reset" back off, that is, the device must be energized.

Measures in case the heating element and protection:

Unit from the mains, after 3 seconds automatically reset the electronics. Check the air supply (air flow, pressure, fan filter). Restore power supply.

### Air heater type XL92 5,9 to 17,4 KW

#### Available Versions:

Item no.	Description
5700098	<b>Air heater XL92 230 VAC 3Ph 5,1 KW with potentiometer</b>
5102750	Air heater XL92 230 VAC 3Ph 5,1 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5102755	Air heater XL92 230 VAC 3Ph 5,1 KW without electronic
<b>5102747</b>	<b>Air heater XL92 230 VAC 3Ph 10,2 KW with potentiometer</b>
5102748	Air heater XL92 230 VAC 3Ph 10,2 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5102753	Air heater XL92 230 VAC 3Ph 10,2 KW without electronic
<b>5102761</b>	<b>Air heater XL92 400-440 VAC 5,9-7,1-8,5 KW with potentiometer</b>
5112328	Air heater XL92 400-440 VAC 5,9-7,1-8,5 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5102766	Air heater XL92 400-440-480 VAC 5,9-7,1-8,5 KW without electronic
<b>5102762</b>	<b>Air heater XL92 400-440 VAC 7,6-9,1-10,9 KW with potentiometer</b>
5102179	Air heater XL92 400-440 VAC 7,6-9,1-10,9 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5102180	Air heater XL92 400-440-480 VAC 7,6-9,1-10,9 KW without electronic
<b>5102760</b>	<b>Air heater XL92 400-440 VAC 11,8-14,3-17,1 KW with potentiometer</b>
5110521	Air heater XL92 400-440 VAC 11,8-14,3-17,1 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5102768	Air heater XL92 400-440-480 VAC 11,8-14,3-17,1 KW without electronic
<b>5102765</b>	<b>Air heater XL92 400-440 VAC 17,4-21,0-25,0 KW with potentiometer</b>
5113726	Air heater XL92 400-440 VAC 17,4-21,0-25,0 KW externally controllable (PWM 12-24 VDC, 1 Hz) with 5.0m control cable (2-pin)
5102770	Air heater XL92 400-440-480 VAC 17,4-21,0-25,0 KW without electronic

## Air heater type XL92 5,9 to 17,4 KW







**Available modifications:**

(By the following modifications, for example, an internal PID control is possible)

- S01** - external heating control via PWM signal (12-24VDC, maximum cycle time 1Hz) incl. 5 meter 2-pole. control line (only necessary for types COMPACT and PN10);
- S02** - external potentiometer for heating incl. 5 meter 3-pole. Control cable and rotary knob (red);
- S04** - external control of fan speed incl. 5m 3-pole. Control line (only for type COMPACT)  
- control signal analogue: 0-10VDC; Control signal digital: PWM 12-24VDC; 1-10kHz; I<sub>max.</sub> 10mA
- S05** - internal PID control of the temperature without visualization for basic units with potentiometer (type 1 basis)
- S06** - internal thermocouple for all three basic versions with 2 meter compensation line;
- S07** - separate connection option for heating and fan with type COMPACT (230VAC);
- S08** - Fixed blower speed for type COMPACT;
- S09** - Built-in digital controller with 2-line display for target and actual temperature and internal thermocouple (only type COMPACT);
- S10** - additional handle, mounted on the back (only type COMPACT);
- S11** - separate connection option for heating and fan; without connection cable (only with type COMPACT 400VAC (230VAC blower / 400VAC heating));
- S12** - Compressed air connection with push-in nipple 8 / 6mm for type S;
- S13** - Connection for hose 6 / 4mm for pressure monitoring in types S and M without electronics;
- S15** - Compressed air connection with push-in nipple 8 / 6mm for type M;
- S16** - M32 cable gland for mains connection cables up to Ø19mm for types L and XL;
- S17** - Power cable made of silicone, firmly soldered for blow-in air temperatures up to 100 ° C for types L and XL without electronics;
- S18** - funnel-shaped outlet opening without anti-kink spiral for mains connection cable (only for type COMPACT without handle);
- S20** - External control of the load relay (SSR) by a PWM signal 12-24VDC for types L and XL without electronics;
- S21** - Evaluation of fan speed with 5 meter control line; Interface OpenCollector - 2 pulses / revolution - max. 10mA for counter with 5000 input pulses / minute (only COMPACT type);
- S23** - Heating element tube without protective tube for all air heaters and COMPACT
- S24** - fixed heating power (only COMPACT type)
- S29** - external potentiometer incl. 5 meter control cable and rotary knob (blue) for blower speed (only type COMPACT)

## Air heater type XL92 5,9 to 17,4 KW

### Accessories:

Item no.	Description
5107275	 Flange connector, push fit on the protective tube
5107244	 Round nozzle $\varnothing$ 50 mm
5107269	 Angled nozzle, length 175 x 175mm
5107273	 Extension tube 60 x 500mm
5107274	 Wide slot nozzle 130 x 17mm
5107272	Wide slot nozzle 300 x 12mm
5106018	Wide slot nozzle 400 x 10mm
5107267	Wide slot nozzle 500 x 15mm
5106023	Wide slot nozzle 600 x 4mm
5107268	 Tubular nozzle 1288 x 1000 x 1,5mm (L1 x L2 x W)

### Air heater type XL92 5,9 to 17,4 KW

#### Combination possibilities for devices WITH electronic \*:

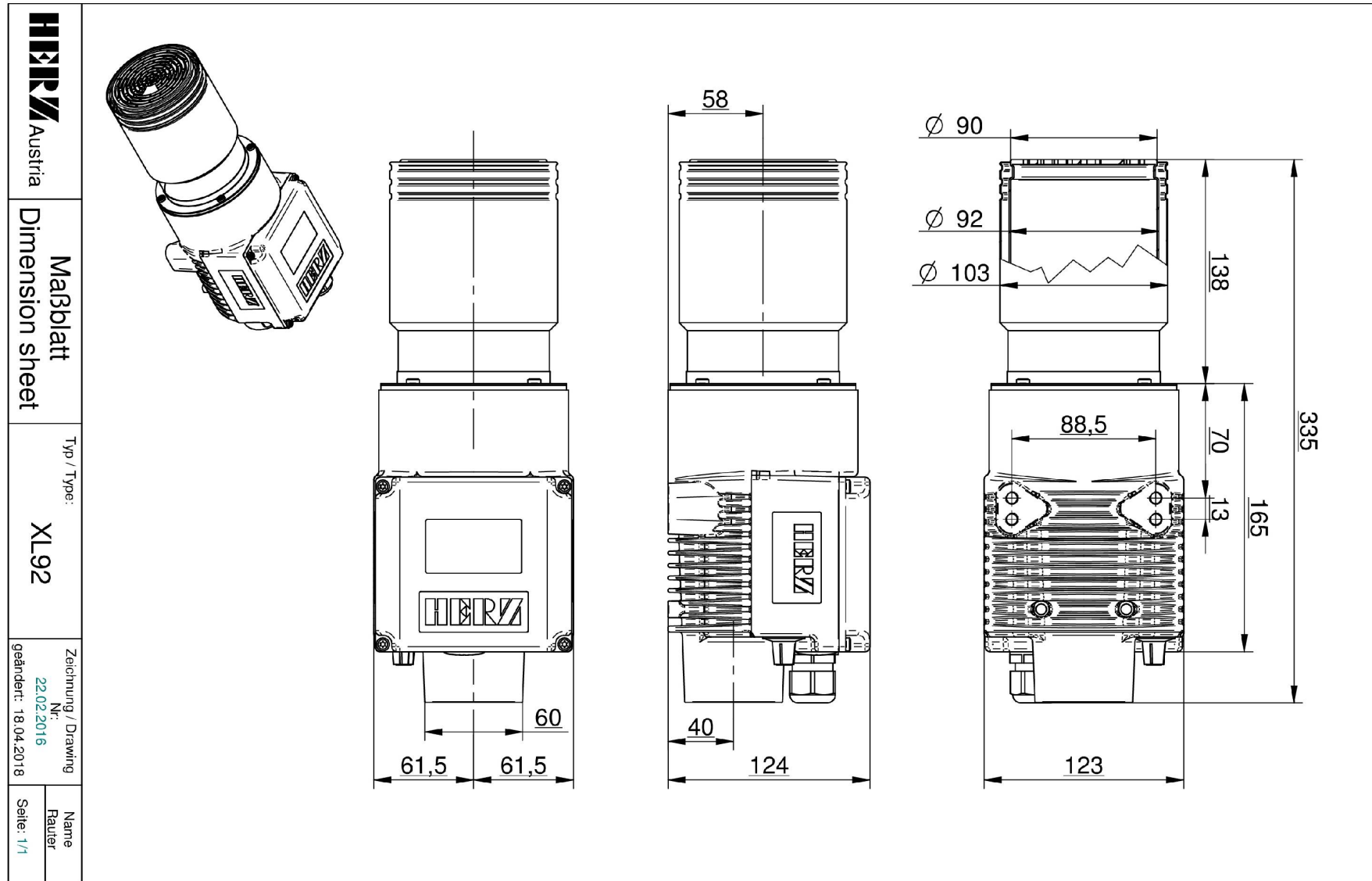
**Measuring point:** 3.0 mm after the air outlet pipe adapter – without nozzle, measured at the hottest point  
**Hose length:** 1,0 m  
**Air supply:** Blower 400 Volt, 50 Hz (HD = High pressure blower, MD = Medium pressure blower)  
**Air flow:** NI / min = standard liters per minute according to DIN 1343

**CAUTION:** Air flow and temperature are indicative which can change due to external influences and changes air hose diameter and length!

Blower type	Quantity, air heater type; voltage; power	Air flow at 50 Hz with heating [NI / min.]	Maximum temperature at 50 Hz [° C]
HD140	2 x XL92; 400VAC; 5,9KW	2 x 780	480
MD10	2 x XL92; 400VAC; 5,9KW	2 x 1740	250
	4 x XL92; 400VAC; 5,9KW	4 x 1160	360
MD14	2 x XL92; 400VAC; 5,9KW	2 x 2130	210
	4 x XL92; 400VAC; 5,9KW	4 x 1910	230
HD140	2 x XL92; 400VAC; 7,6KW	2 x 770	580
HD240	4 x XL92; 400VAC; 7,6KW	4 x 1070	510
MD10	2 x XL92; 400VAC; 7,6KW	2 x 770	320
	4 x XL92; 400VAC; 7,6KW	4 x 1110	440
MD14	4 x XL92; 400VAC; 7,6KW	4 x 1790	310
HD140	1 x XL92; 400VAC; 11,8KW	1470	460
HD240	4 x XL92; 400VAC; 11,8KW	4 x 1070	590
MD10	1 x XL92; 400VAC; 11,8KW	1770	400
	2 x XL92; 400VAC; 11,8KW	2 x 1460	460
	4 x XL92; 400VAC; 11,8KW	4 x 1070	570
MD14	1 x XL92; 400VAC; 11,8KW	2090	380
	2 x XL92; 400VAC; 11,8KW	2 x 1880	400
	4 x XL92; 400VAC; 11,8KW	4 x 1720	430
HD240	2 x XL92; 400VAC; 17,4KW	2 x 2040	490
MD10	1 x XL92; 400VAC; 17,4KW	970	550
MD14	1 x XL92; 400VAC; 17,4KW	1850	530
	2 x XL92; 400VAC; 17,4KW	2 x 1800	540

\*Data without guarantee

Air heater type XL92 5,9 to 17,4 KW



Änderungen vorbehalten / Changes reserved