

## 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)  
 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		5102761 (5102766*)	5102762 (5102180*)	5102760 (5102768*)	5102765 (5102770*)
<b>Voltage</b>	VAC	400 - 440 - 480			
<b>Frequency</b>	Hz	50 / 60			
<b>Power</b>	KW	5,9 7,1 - 8,5	7,6 - 9,2 - 10,9	11,8 - 14,3 - 17,1	17,4 - 21,0 - 25,0
<b>Current</b>	A	8,5 - 9,4 - 10,3	10,9 - 12,0 - 13,2	17,1 - 18,7 - 20,4	25,1 - 27,6 - 29,7
<b>Max. temperature</b>	°C	650			
<b>Min. air volume</b>	l/min	370 (467*)	490 (615*)	760 (950*)	1140 (1434*)
<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)	330 x 124 x 124			
<b>Conformity mark</b>					
<b>Protection class I</b>					

\*without electronic

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Product description:	Connection scheme:
<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)                             <ul style="list-style-type: none"> <li>- 2 → 1 = close</li> <li>- 2 → 3 = open</li> </ul> </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.







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#### Available Versions:

Item no.	Description
5102750	Air heater XL92 230 VAC 3Ph 5,1 KW for external control
5102755	Air heater XL92 230 VAC 3Ph 5,1 KW without electronic
5102747	Air heater XL92 230 VAC 3Ph 10,2 KW potentiometer
5102748	Air heater XL92 230 VAC 3Ph 10,2 KW for external control
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 potentiometer</b>
5112328	Air heater XL92 400-440 VAC 5,9-7,1-8,5 KW for external control
<b>5102766</b>	<b>Air heater XL92 400-440-480 VAC 5,9-7,1-8,5 KW without electronic</b>
<b>5102762</b>	<b>Air heater XL92 400-440 VAC 7,6-9,1-10,9 KW potentiometer</b>
5102179	Air heater XL92 400-440 VAC 7,6-9,1-10,9 KW for external control
<b>5102180</b>	<b>Air heater XL92 400-440-480 VAC 7,6-9,1-10,9 KW without electronic</b>
<b>5102760</b>	<b>Air heater XL92 400-440 VAC 11,8-14,3-17,1 KW potentiometer</b>
5110521	Air heater XL92 400-440 VAC 11,8-14,3-17,1 KW for external control
<b>5102768</b>	<b>Air heater XL92 400-440-480 VAC 11,8-14,3-17,1 KW without electronic</b>
5111746	Air heater XL92 400-440-480 VAC 11,8-14,3-17,1 KW without electronic temperature resistant max air temperature 100°C, with 2 meters cable silicon
<b>5102765</b>	<b>Air heater XL92 400-440 VAC 17,4-21,0-25,0 KW potentiometer</b>
5113726	Air heater XL92 400-440 VAC 17,4-21,0-25,0 KW for external control
<b>5102770</b>	<b>Air heater XL92 400-440-480 VAC 17,4-21,0-25,0 KW without electronic</b>
5102777	Air heater XL92 480 VAC 17,1KW potentiometer
5102776	Air heater XL92 480 VAC 17,1 KW for external control
5102778	Air heater XL92 480 VAC 8,5 KW potentiometer
5102779	Air heater XL92 480 VAC 8,5 KW for external control

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### 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)

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

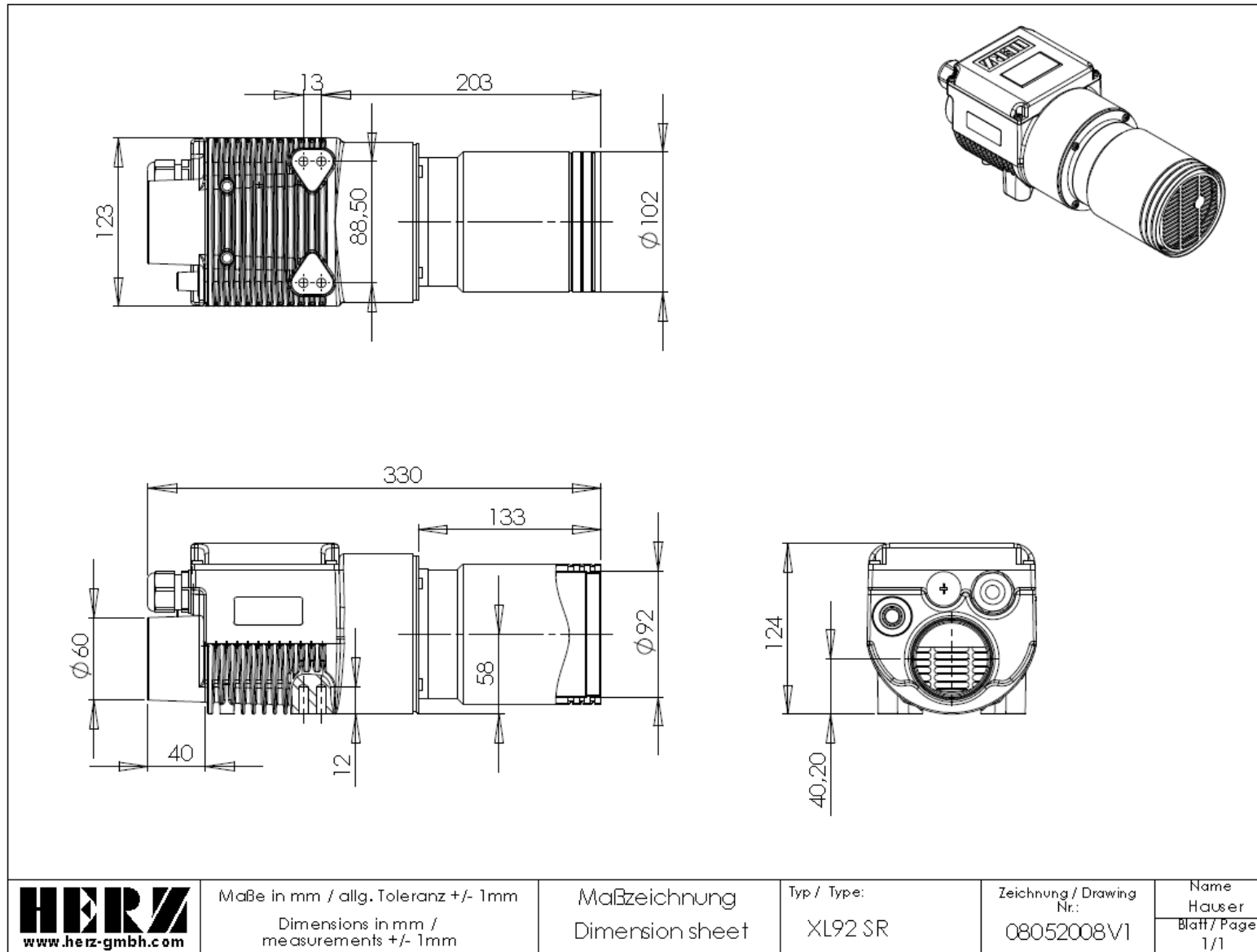
**Measuring point:** 3.0 mm after the air outlet pipe adapter – without nozzle, measured at the hottest point  
**Hose length:** 1,0 m  
**Air supply:** Blower 400 Volt, 50 Hz (HD = High pressure blower, MD = Medium pressure blower)  
**Air flow:** NI / min = standard liters per minute according to DIN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

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Technische Änderungen vorbehalten / technical changes reserved

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