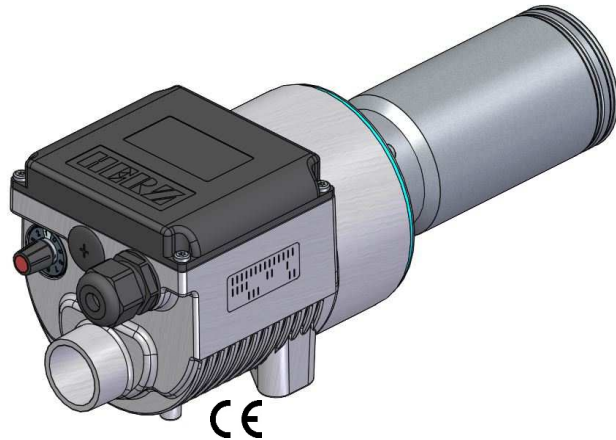


## Air heater type L62 to 9,0 KW



- 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/122°F  
 - the unit is available without electronics (without heating element and device protection)  
 - for devices without electronic equipment max. supply air temperature 80°C/176°F  
 (Special design up to max. 100°C/212°F)
- Power:** 4,3 KW - 9,0 KW  
**Voltages:** 230 VAC, 400-480 VAC (2Ph), 400-480 VAC

### Technical Data:

Item number / Basic versions	Potentiometer	5102156	5102169	5102183	on request	5102161	5102171	5202092	5102175	5102084
	external control	5102157	5102165	5102176	on request	5102162	5113725	5202090	5102178	5700067
	without electronic	5102160	5102173	5109138*	5102155	5102164	5102177	5202091	5102168	on request
<b>Voltage</b>	VAC	230	400 - 480 (2Ph)	400 – 440 (2Ph) (480 (2Ph))*	230 (3PH)		400 - 480			
<b>Frequency</b>	Hz	50 / 60								
<b>Power</b>	KW	4,4	5,8 - 8,4	8,6 – 10,5 (12,4)*	6,6	8,1	4,4 - 6,3	6,1 – 9,0	7,6 – 11,0	9,0 – 13,0
<b>Current</b>	A	19,1	14,5 - 17,5	21,6 – 23,9 (25,8)*	16,6	20,3	6,3 - 7,6	8,8 – 10,8	11,0 – 13,2	13,9 – 15,6
<b>Max. temperature</b>	°C/°F	700/1292								
<b>Min. air volume</b>	l/min	300	520	600	620	740	450	580	710	680
<b>Weight</b>	kg	2,9								
<b>Air intake</b>	Ø mm	38								
<b>Air outlet</b>	Ø mm	55								
<b>Heater tube</b>	Ø mm	62 / 74								
<b>Dimensions</b>	mm (L x W x H)	360 x 123 x 124								
<b>Conformity mark</b>										
<b>Protection class I</b>										

## Air heater type L62 to 9,0 KW

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>                      In the execution of 400-440VAC (2Ph), only the terminals L1, L2 and PE(protective earth) occupied. The L3 terminal is blocked by a jumper. 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 L62 to 9,0 KW

#### Available versions:

Item No.	Description
<b>5102156</b>	<b>Air heater type L62 230 VAC 4,4 KW with potentiometer</b>
5102157	Air heater type L62 230 VAC 4,4 KW externally controllable (PWM 12-24 VDC, 1 Hz)
5102160	Air heater type L62 230 VAC 4,4 KW without electronic
<b>5102169</b>	<b>Air heater type L62 400-480 VAC 2Ph 5,8-8,4 KW with potentiometer</b>
5102165	Air heater type L62 400-480 VAC 2Ph 5,8-8,4 KW externally controllable (PWM 12-24 VDC, 1 Hz)
5102173	Air heater type L62 400-480 VAC 2Ph 5,8-8,4 KW without electronic
<b>5102183</b>	<b>Air heater type L62 400-440 VAC 2Ph 8,6-10,5 KW with potentiometer</b>
5102176	Air heater type L62 400-480 VAC 2Ph 8,6-10,5 KW externally controllable (PWM 12-24 VDC; 1 Hz)
5109138	Air heater type L62 400-480 VAC 2Ph 8,6-12,4 KW without electronic
<b>5102155</b>	<b>Air heater type L62 230 VAC 3Ph 6,6 KW without Elektronik</b>
<b>5102161</b>	<b>Air heater type L62 230 VAC 3PH 8,1 KW with potentiometer</b>
5102162	Air heater type L62 230 VAC 3Ph 8,1 KW externally controllable (PWM 12-24 VDC, 1 Hz)
5102164	Air heater type L62 230 VAC 3Ph 8,1 KW without electronic
<b>5102171</b>	<b>Air heater type L62 400-480 VAC 4,4-6,3 KW with potentiometer</b>
5113725	Air heater type L62 400-480 VAC 4,4-6,3 KW externally controllable (PWM 12-24 VDC, 1 Hz)
5102177	Air heater type L62 400-480 VAC 4,4-6,3 KW without electronic
<b>5202092</b>	<b>Air heater type L62 400-480 VAC 6,1-9,0 KW with potentiometer</b>
5202090	Air heater type L62 400-480 VAC 6,1-9,0 KW externally controllable (PWM 12-24 VDC, 1 Hz)
5202091	Air heater type L62 400-480 VAC 6,1-9,0 KW without electronic
<b>5102175</b>	<b>Air heater type L62 400-480 VAC 7,6-11,0 KW with potentiometer</b>
5102178	Air heater type L62 400-480 VAC 7,6-11,0 KW externally controllable (PWM 12-24 VDC, 1 Hz)
5102168	Air heater type L62 400-480 VAC 7,6-11,0 KW without electronic
<b>5102084</b>	<b>Air heater type L62 400-480 VAC 9-13 KW with potentiometer</b>
5700067	Air heater type L62 400-480 VAC 9-13 KW externally controllable (PWM 12-24 VDC; 1 Hz)













### Air heater type L62 to 9,0 KW

#### Available modifications:

Item number	Type	Modification
5005014	S02	External potentiometer for heating including 5m control line; 3 pole; Potentiometer is soldered to the end of the cable; including potentiometer knob red;
<b>The basic device for this modification is always standard with a potentiometer</b>		
5005021.6	S05	Internal PID control via internal potentiometer without digital display;
5005010.6	S06	Internal thermocouple including 2m compensation cable with open ends green (+) white (-);
5005017	S17	Device with 2m silicone connection cable. Open ended cables; the ends are marked; Inlet temperature max. 100°C/212°F;
5005033	S20	The device has no electronics but has a built-in solid state relay; there is a 2-pole connection terminal for connecting the control line; exclusive control cable;
5005036.5	S23	Device with tube adapter without protective tube; Standard is with protective tube;

## Air heater type L62 to 9,0 KW

### Accessories:

Item No.	Description
5107246	 Flange connector, slideable
5107245	 Round nozzle $\varnothing$ 40 mm, slideable
5107265	 Angled nozzle, length 120 x 112mm
5107247	 Extension tube 200 x 40 mm, slideable
5107253	 Tubular nozzle 700 x 550 x 1.7 mm (L1 x L2 x W)
5107260	 Wide slot nozzle 85 x 15mm
5107259	 Wide slot nozzle 150 x 12mm
5105977	 Wide slot nozzle 200 x 9mm
5107263	 Wide slot nozzle 250 x 12mm
5107262	 Wide slot nozzle 300 x 4mm
5105991	 Wide slot nozzle 500 x 4mm
5106177	 Shrinking reflector 50 x 400mm; socket mounted on the side

### Air heater type L62 to 9,0 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/°F]
HD140	1 x L62; 400VAC(2Ph); 5,8KW	1300	340/644
	2 x L62; 400VAC(2Ph); 5,8KW	2 x 730	530/986
HD240	4 x L62; 400VAC(2Ph); 5,8KW	4 x 1000	410/770
	6 x L62; 400VAC(2Ph); 5,8KW	6 x 700	550/1022
MD10	1 x L62; 400VAC(2Ph); 5,8KW	720	570/1058
	2 x L62; 400VAC(2Ph); 5,8KW	2 x 640	580/1076
	4 x L62; 400VAC(2Ph); 5,8KW	4 x 590	600/1112
MD14	1 x L62; 400VAC(2Ph); 5,8KW	860	490/914
	2 x L62; 400VAC(2Ph); 5,8KW	2 x 770	500/932
	4 x L62; 400VAC(2Ph); 5,8KW	4 x 750	500/932
HD140	1 x L62; 400VAC(2Ph); 8,6KW	1370	380/716
	2 x L62; 400VAC(2Ph); 8,6KW	2 x 750	600/1112
HD240	4 x L62; 400VAC(2Ph); 8,6KW	4 x 1020	480/896
	1 x L62; 400VAC(2Ph); 8,6KW	840	570/1058
MD10	2 x L62; 400VAC(2Ph); 8,6KW	2 x 800	570/1058
	4 x L62; 400VAC(2Ph); 8,6KW	4 x 660	620/1148
	1 x L62; 400VAC(2Ph); 8,6KW	1000	500/932
MD14	2 x L62; 400VAC(2Ph); 8,6KW	2 x 960	500/932
	4 x L62; 400VAC(2Ph); 8,6KW	4 x 840	530/986
	1 x L62; 400VAC; 7,6KW	1320	450/842
HD140	2 x L62; 400VAC; 7,6KW	2 x 750	690/1274
	4 x L62; 400VAC; 7,6KW	4 x 1000	550/1022

### Air heater type L62 to 9,0 KW

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

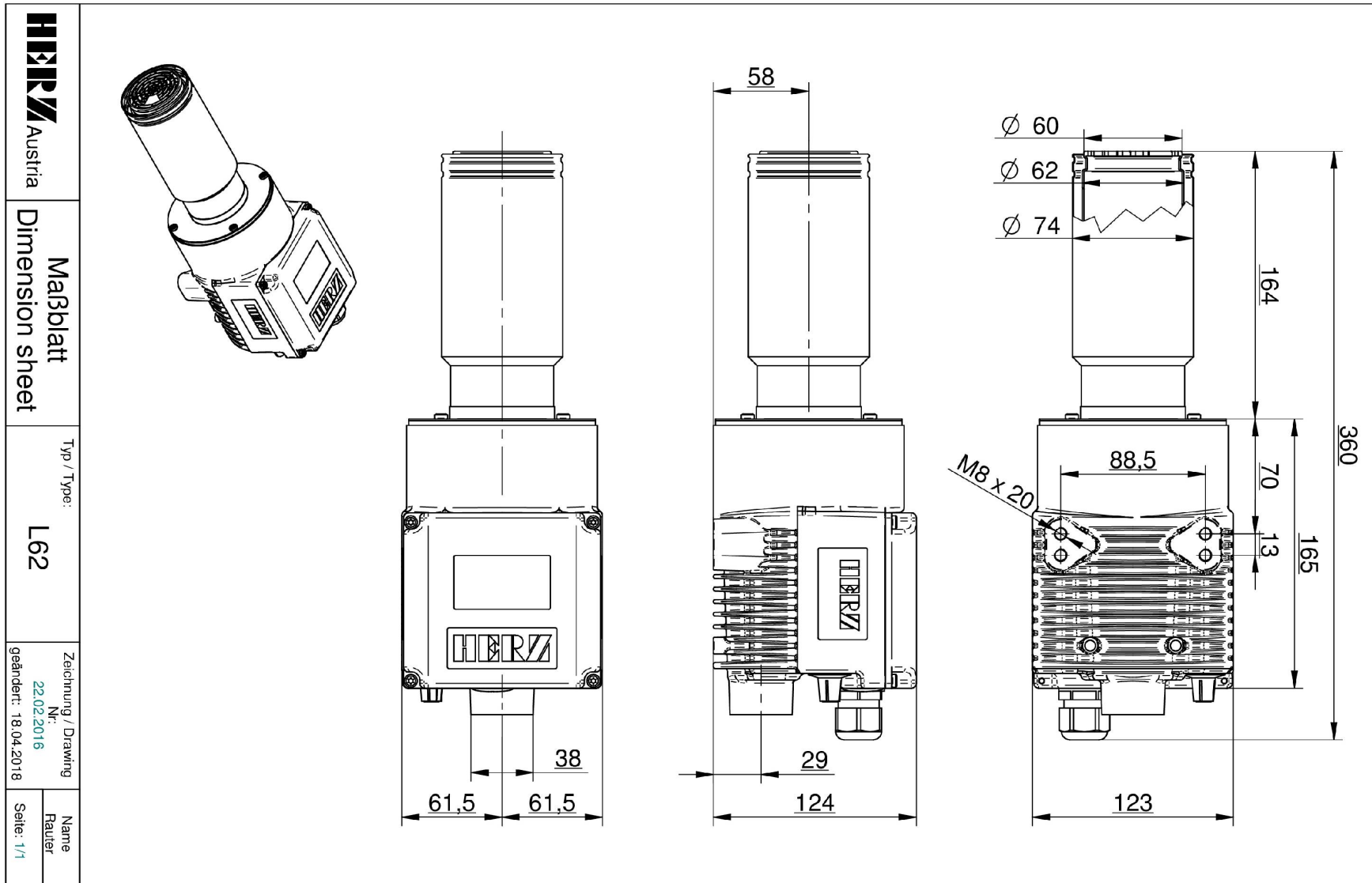
**Measuring point:** 3.0 mm after the air outlet pipe adapter – without nozzle, measured at the hottest point  
**Hose length:** 1,0 m  
**Air supply:** Blower 400 Volt, 50 Hz (HD = High pressure blower, MD = Medium pressure blower)  
**Air flow:** NI / min = standard liters per minute according to DIN 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/°F]
MD10	1 x L62; 400VAC; 7,6KW	660	660/1220
MD14	1 x L62; 400VAC; 7,6KW	790	630/1166
	2 x L62; 400VAC; 7,6KW	2 x 750	660/1220
HD140	4 x L62; 400VAC; 7,6KW	4 x 690	680/1256
	1 x L62; 400VAC; 4,4KW	1380	280/536
HD240	2 x L62; 400VAC; 4,4KW	2 x 750	440/824
	4 x L62; 400VAC; 4,4KW	4 x 1010	350/662
MD10	1 x L62; 400VAC; 4,4KW	830	420/788
MD14	1 x L62; 400VAC; 4,4KW	990	370/698
	2 x L62; 400VAC; 4,4KW	2 x 960	370/698
	4 x L62; 400VAC; 4,4KW	4 x 810	410/770

\*Data without guarantee

Air heater type L62 to 9,0 KW



Änderungen vorbehalten / Changes reserved



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