



# Service Manual

## Tumble dryer Condensation TRKK 6850

<b>Model Version</b>		<b>Page</b>
	TRKK 6850 8560 685 12200	
	Technical data	2 - 3
	Spare part list	4
	Exploded view	5 - 6
	Wiring diagram	7
	Circuit diagram	8
	Text/Legend	9 - 14
	Family	OMEGA



## Technical data

### Dimensions

Height	85	cm
Width	59.5	cm
Depth	60	cm

### Weight

Gross weight	42	kg
Net weight	40	kg

### Surroundings temperature

Room temperature max.	35	°C
Room temperature min.	5	°C

### Relative humidity

Maximum	95	%
---------	----	---

### Power connection

Voltage	230	V
Frequency	50	Hz
Connected load	2.49	kW
Fuse	16	A

### Drum data

Volume	112	l
Drum speed	57 ± 2	rpm

### Airflow

Air flow circulation	180 +10/ -30	m <sup>3</sup> /h
Air flow cooling	200 +10/ -30	m <sup>3</sup> /h

### Capacity of laundry

Cotton max.	5	kg
Easy care max.	2.5	kg

### Condenswater evacuation top

Condenswater container	3.8	l
------------------------	-----	---

### Heat exchanger

	4	plates
--	---	--------

### Direct connection to the drainage

**1. Possibility:** Use a commercially available water hose

Inner diameter	8 - 10	mm
Maximum allowable length	2.5	m
Maximum height for drain outlet	1.0	m

**2. Possibility:** Outlet hose for connect into siphon

Spare part number	4812 530 28243
Length of hose	1.5 m

### Electrical components

#### Heating

Type	Aluminium
Nominal voltage	230 +10%/ -15% V
Nominal power	2200 W ± 5%
Heating resistances:	
Connecting points	21.5 - 24.6 Ω

#### Thermostats

##### Fluff thermostat (in heater) TH 1.2

Switch on temp.	165 ± 10	°C
Switch off temp.	210 ± 9	°C
Colour code	Green	

##### Safety thermostat (in heater) TL

Switch on temp.	<-35	°C
Switch off temp.	260 ± 10	°C

##### Exhausting thermostat (in airchannel) TH 1.1

Switch on temp.	68 ± 3	°C
Switch off temp.	83 ± 3	°C

#### Control module Omega

Type	Electronic Timer CB BK
Nominal voltage	185 - 256 V
Frequency	47 - 63 Hz

#### Rated currents:

Motor	max ≤10	A
Heater	max ≤16	A
Drumlight	max ≤1	A
Pump	max ≤1	A

#### Temperature:

- Ambient	0 to 85	°C
- Storage	-25 to 85	°C

## Technical data

### Main- and blower motor

Type	1-phase asynchronous	
Nominal voltage	230 +10%/ -15% V	
Frequency	50 ± 3	Hz
Power consumption	285	W ± 7%
<b>Resistances of coils:</b>		
Main coil (2 - 3)	18.8	Ω ± 7%
Auxiliary coil (3 - 4)	18	Ω ± 7%
Rated speed with 5 kg laundry and 70% rest humidity	2700	rpm
Capacitor	10	μ F ± 10%

### Condensation pump

Type	IMS 30.95635...	
	1-phase synchronous	
Voltage	220-240 +10%/ -15% V	
Frequency	50	Hz ± 0.5%
Resistance (25 °C)	450	Ω ± 10%
Nominal current	53	mA ± 10%
Blocking current	140	mA ± 10%
Power consumption	14 ± 2	W
Speed	3000	rpm
Capacity (height 1.1m)	2.6 ± 1.1	l/min

### Radio interference filter

Type	ISKRA KPB 7325	
Voltage max.	275	V
Capacity	100 nF X1 + 2x15 nF Y2 + 1MΩ	

or

### Radio interference filter

Type	Eichhoff BV 16.250/119	
Voltage max.	250	V
Capacity	100 nF X1 + 2x15 nF Y2 + 1MΩ	

### Micro switch (pump)

Type	Cherry D4F9 - VGAA	
	Single pole	
Voltage	230 +10%/ -15% V	
Frequency	50/60	Hz
Current	16	A

### Display

Type	Electronic display Flextronics
No. of LEDs	28 + Start + 7 segment (3 digits)
Options buttons	- Start /Pause - Start delay + remaining time - Gentle - Dryness levels - Buzzer - Anticrease
Program selector	12 positions integrated ON/OFF (stand-by)

### Efficiency class

Energy class	C
--------------	---

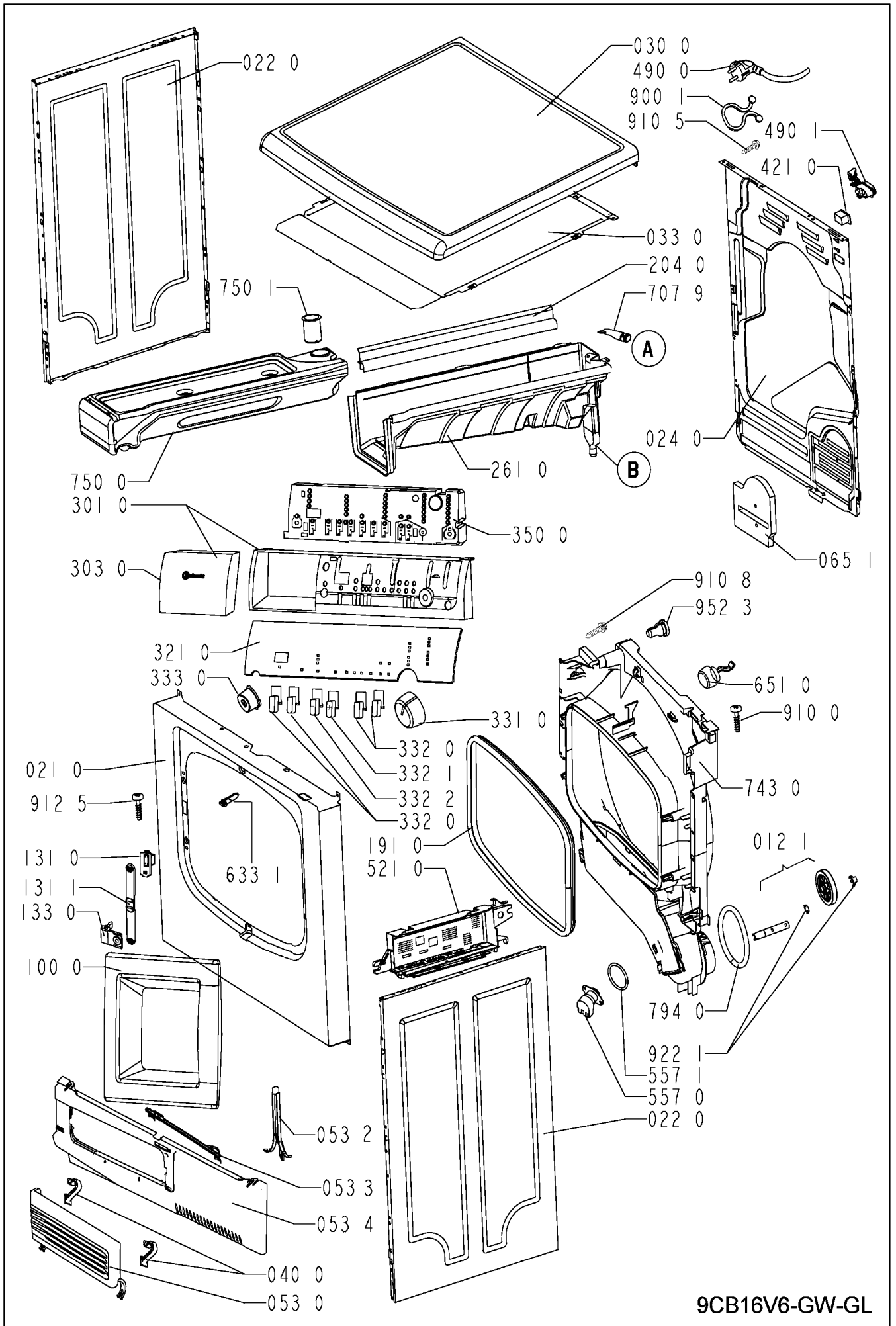
**Spare part list**

**Model** TRKK 6850  
**Service No.** 856068512200  
**Version** 856068512200

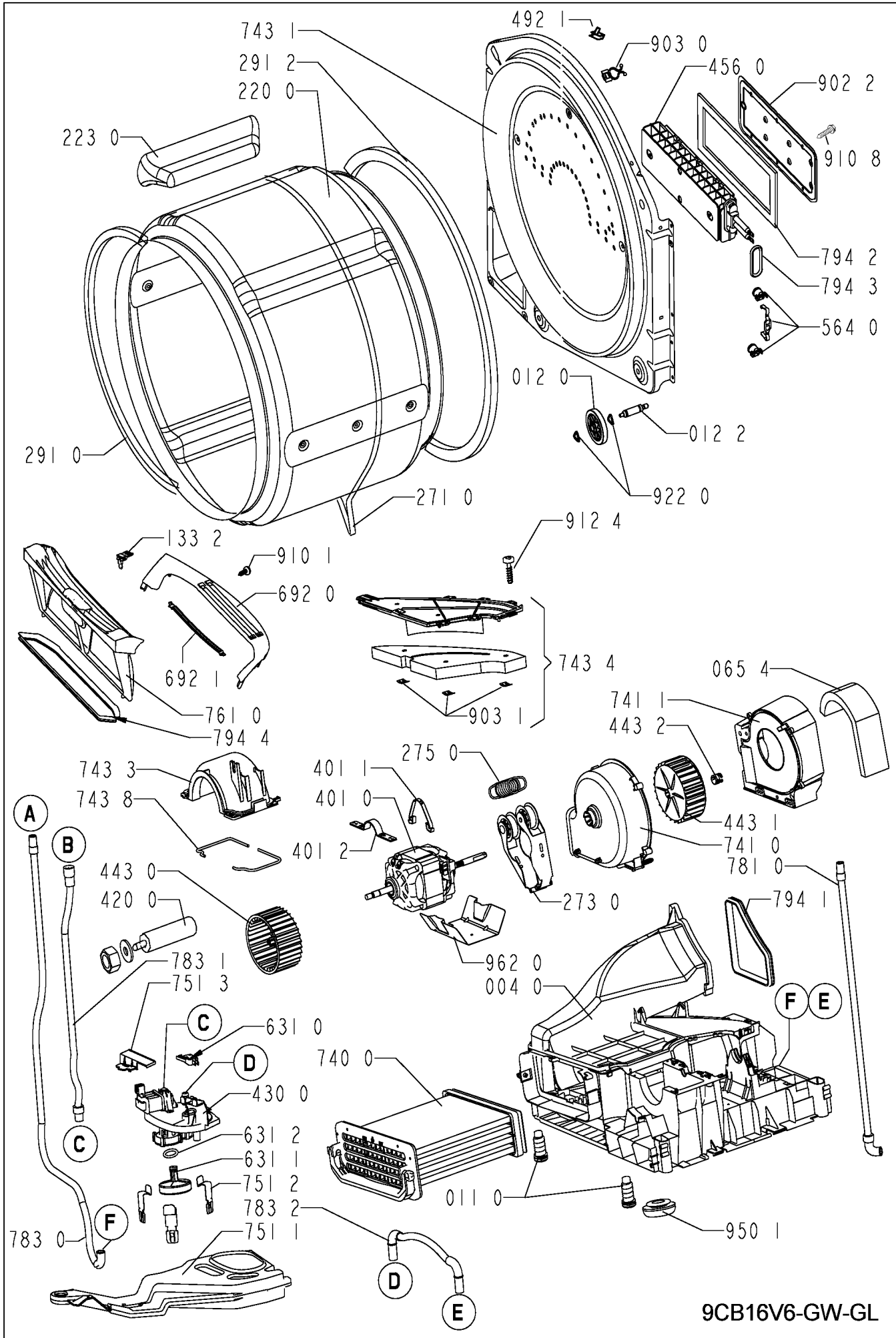
Pos. No.	12NC Code	Description
004 0	<b>4812 440 19718</b>	Bottom
011 0	<b>4812 500 18054</b>	Foot adjustable
012 0	<b>4812 528 78033</b>	Roll
012 1	<b>4812 528 98003</b>	Shaft Front + Roll
012 2	<b>4812 520 28068</b>	Shaft rear
021 0	<b>4812 440 10819</b>	Front VBL GW
022 0	<b>4812 440 10821</b>	Panel,side GW
024 0	<b>4812 440 19708</b>	Panel, rear
030 0	<b>4812 440 10928</b>	Table top VBL BK CD-GW
033 0	<b>4812 310 18582</b>	Kit Push in cover
040 0	<b>4812 417 28091</b>	Hinge GW
053 0	<b>4812 440 89044</b>	Flap kpl.BK VBL GW
053 2	<b>4812 417 28061</b>	Lever,fastener plinth
053 3	<b>4812 417 28089</b>	Lock transmit plinth GW
053 4	<b>4812 440 89043</b>	Plinth VBL BK GW
065 1	<b>4812 325 18009</b>	Insulation rear panel
065 4	<b>4812 325 18008</b>	Insulation housing
100 0	<b>4812 440 10858</b>	Door transp.R2 GW
131 0	<b>4812 271 38462</b>	Door lock RO GW
131 1	<b>4812 417 19194</b>	Cover plate GW
133 0	<b>4812 417 28092</b>	Hook Door GW
133 2	<b>4812 417 28056</b>	Lock Bag filter
191 0	<b>4812 466 68607</b>	Gasket, door
204 0	<b>4812 466 38014</b>	Protector
220 0	<b>4812 418 18177</b>	Drum cpl. SS
223 0	<b>4812 418 89017</b>	Drum lifter GW
261 0	<b>4812 418 79801</b>	Case f.water cont.
271 0	<b>4812 358 18164</b>	Belt,driving 1936 H7 CD RO
273 0	<b>4812 358 18055</b>	Pulley jockey
275 0	<b>4812 492 68129</b>	Spring
291 0	<b>4812 466 68561</b>	Gasket front
291 2	<b>4812 466 68562</b>	Gasket Drum rear
301 0	<b>4812 452 13801</b>	Control panel cpl
303 0	<b>4812 452 13597</b>	Handle, drawer VBLBK-GW
321 0	<b>4812 452 13802</b>	Insert panel TRKK6850
331 0	<b>4812 414 58204</b>	Knob,timer OMEGA VBL BK GW
332 0	<b>4812 410 29067</b>	Button Opt.GW
332 1	<b>4812 410 29112</b>	Button Opt. + VBL BK GW
332 2	<b>4812 410 29113</b>	Button Opt. - VBL BK GW
333 0	<b>4812 410 29066</b>	Button Start GW
350 0	<b>4812 214 78804</b>	Display board CD BK TYPE V
401 0	<b>4812 361 18291</b>	Motor incl. fan wheel
401 1	<b>4812 401 18421</b>	Clamp Motor
401 2	<b>4812 401 18229</b>	Clamp motor support
420 0	<b>4812 121 18144</b>	Capacitor 10 µ F
421 0	<b>4812 121 18158</b>	Interf.filter
430 0	<b>4812 360 58212</b>	Pump,draining CPL
443 0	<b>4812 361 18292</b>	Blower wheel
443 1	<b>4812 361 18293</b>	Fan wheel blower
443 2	<b>4812 290 88066</b>	Clamp blower wheel
456 0	<b>4812 310 18627</b>	Heating element Kit 2200W
490 0	<b>4812 321 18044</b>	Cable,mains 5m 4x1
490 1	<b>4812 321 28367</b>	Strain relief
492 1	<b>4812 401 18195</b>	Clip
521 0	<b>4812 214 78781</b>	Control board CD VBL BK M

Pos. No.	12NC Code	Description
557 0	<b>4812 282 08008</b>	Thermostat drum outlet
557 1	<b>4812 282 98005</b>	Gasket Thermostat
564 0	<b>4812 259 28681</b>	Thermostat Kit
631 0	<b>4812 271 38396</b>	Microswitch f. pump/belt
631 1	<b>4812 360 18476</b>	Floater
631 2	<b>4812 360 58093</b>	O-Ring
633 1	<b>4812 276 18422</b>	Pin Start reset GW
651 0	<b>4812 134 28056</b>	Lamp drum light cpl.
692 0	<b>4812 210 58035</b>	Bracket Sensor GW
692 1	<b>4812 278 58001</b>	Sensor
707 9	<b>4812 530 48165</b>	Tube inflow
740 0	<b>4812 511 48243</b>	Heat exchanger H4
741 0	<b>4812 440 08003</b>	Blower cold air
741 1	<b>4812 530 48244</b>	Cover blower house
743 0	<b>4812 530 48683</b>	Air guide with hole GW
743 1	<b>4812 530 48254</b>	Heating chamber SS
743 3	<b>4812 530 48239</b>	Cover blow. house
743 4	<b>4812 464 48122</b>	Cover plate
743 8	<b>4812 466 88519</b>	Gasket f. blow. house
750 0	<b>4812 418 79799</b>	Tank condenswater 3,8l
750 1	<b>4812 530 28856</b>	Water guide
751 1	<b>4812 418 88044</b>	Water collector
751 2	<b>4812 401 18472</b>	Clamp sump cover
751 3	<b>4812 271 18014</b>	Cover water switch
761 0	<b>4812 480 58322</b>	Filter bag GW
781 0	<b>4812 530 28243</b>	Hose,draining external 1,5 m
783 0	<b>4812 530 08003</b>	Hose inflow bottom
783 1	<b>4812 530 08009</b>	Hose reflow long
783 2	<b>4812 530 08001</b>	Hose Pump bottom
794 0	<b>4812 466 88523</b>	Gasket AC,Bottom
794 1	<b>4812 466 28108</b>	Gasket heater channel
794 2	<b>4812 466 98935</b>	Sealing Heater holder
794 3	<b>4812 466 98937</b>	Sealing
794 4	<b>4812 466 88521</b>	Gasket filter
900 1	<b>4812 290 88053</b>	Clip
902 2	<b>4812 256 38004</b>	Holder heater
903 0	<b>4812 532 28028</b>	Clip,fix
903 1	<b>4812 401 18228</b>	Fastener
910 0	<b>4812 502 38057</b>	Screw Torx 4,2x13
910 1	<b>4812 502 48347</b>	Screw,selftap 3,5x14SS
910 5	<b>4819 502 38265</b>	Screw VAB 4,5x20
910 8	<b>4812 502 48348</b>	Screw ST 4,2x11
912 4	<b>4812 502 48015</b>	Screw 4,0x16-TORX
912 5	<b>4812 220 08014</b>	Screw door lock pin
922 0	<b>4812 532 58005</b>	Ring,circlip Tiring
922 1	<b>4812 532 58007</b>	Ring,circlip
950 1	<b>4812 466 88517</b>	Gasket inlet bottom
952 3	<b>4812 466 88522</b>	Gasket sensor wiring
962 0	<b>4812 466 38012</b>	Protector Motor

**Exploded view**

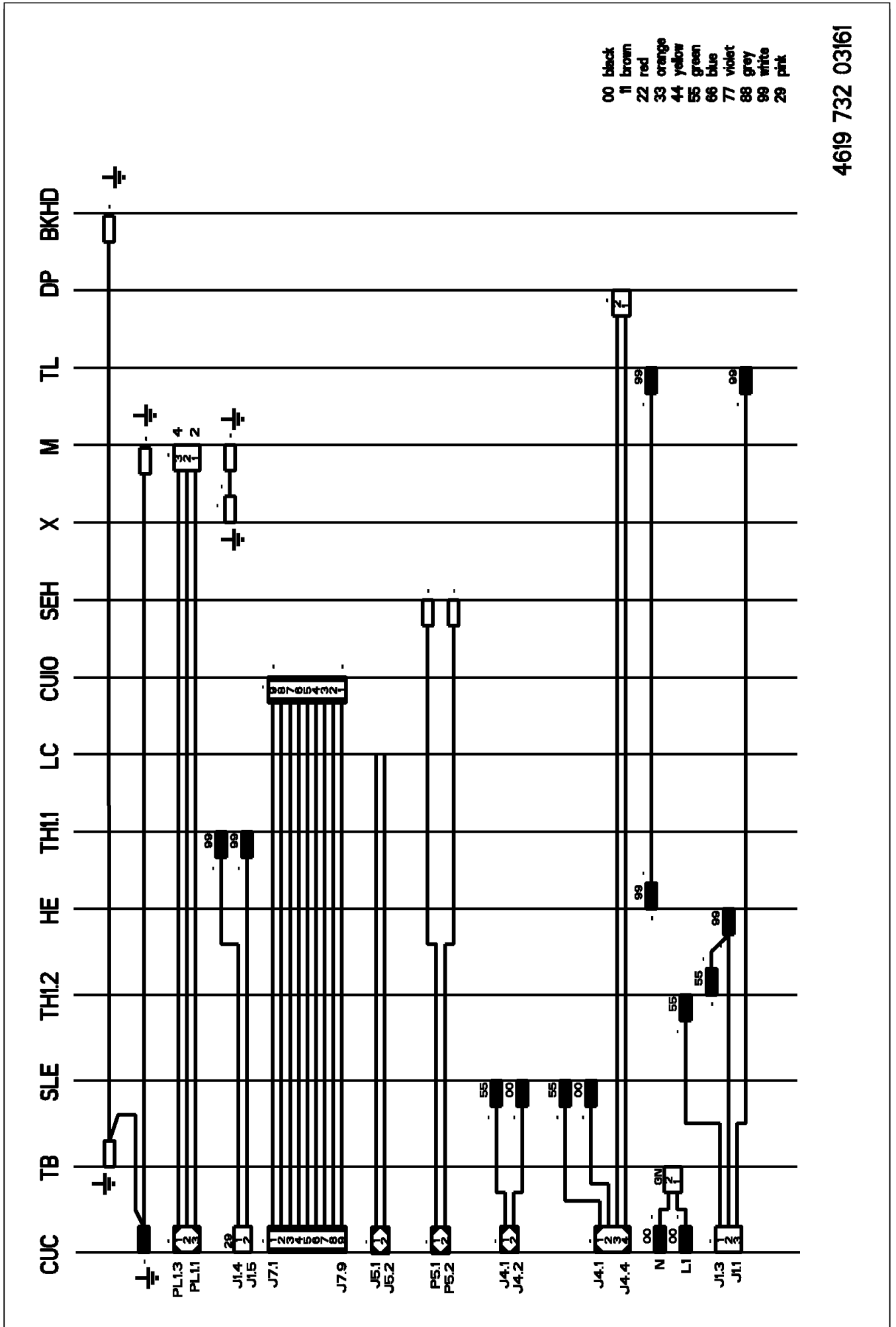


**Exploded view**



9CB16V6-GW-GL

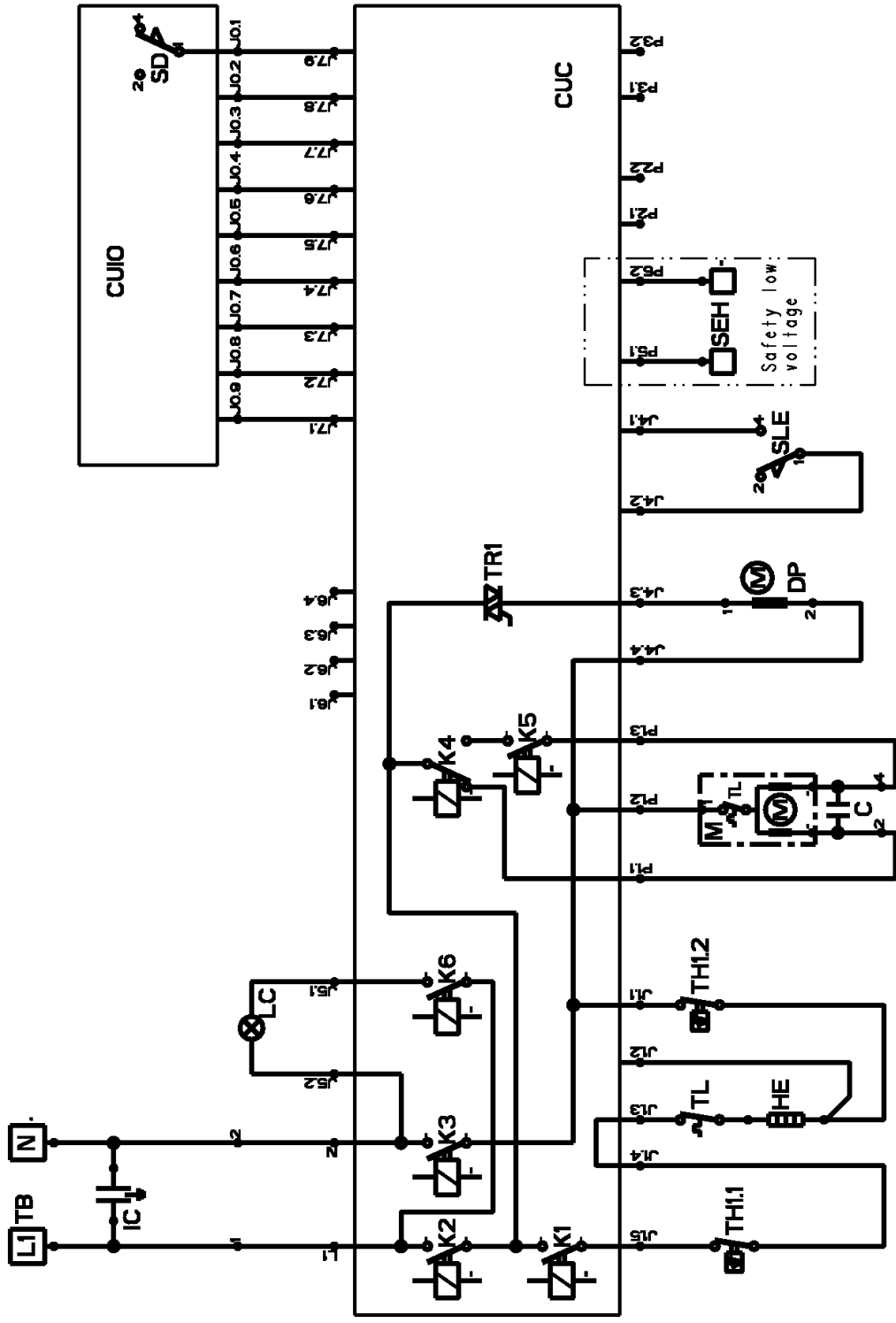
## Wiring diagram



4619 732 03161

**Circuit diagram**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38



- BK-HD bulkhead
- C capacitor
- CUC control unit, central
- CUJO control unit, display
- DP pump
- HE heating element
- IC interference capacitor
- LC lamp (lighting), cavity
- M motor, drive
- SD switch, door
- SEH sensor, humidity
- SLE switch, level
- TB terminal block
- TH1.1 thermostat fix (drum outlet)
- TH1.2 thermostat fix (fluff filter)
- TL temp. limiter

4619 732 03161



**Text/Legend**

**Program flow WH/BK AV (AIR VENTED DRYER)**

Program Phase	Options influencing program phase	Motor movement	Heating Cycles						Humidity measurement	Duration	Conditions to go in the next phase
			Cotton	Easy Care	Shirt Fast Iron (Delicate)	Time Drying (Jet)	Airing				
Programming (Selection)	-	off	off	off	off	off	off	off	off	-	push start switch AND door closed
Start Delay	-	rev-ac3	off	off	off	off	off	off	off	1...12h	
Drying I	Gentle	rev-2	100%	100%	-	75%		on		RH=HT1 or t <sub>1</sub>	delay time over OR no delay selected
	Rapid	no rev	100%	-	-	-	-	on		RH=HT1 or t <sub>1</sub>	
	other options	rev-2	100%	100%	83%	100%	↓	on		RH=HT1 or t <sub>1</sub>	
Drying II	Gentle	rev-2	90%	90%	-	↓	-	on		RH=HT2 or timeout	HT 1 OR duration
	Rapid	no rev	100%	-	-	-	-	on		RH=HT2 or timeout	
	other options	rev-2	100%	100%	67%	↓	↓	on		RH=HT2 or timeout	
Drying III	Gentle	rev-2	75%	90%	-	↓	-	on		RH=HT3 or timeout	HT 2 OR timeout
	Rapid	no rev	100%	-	-	-	-	on		RH=HT3 or timeout	
	other options	rev-2	90%	100%	67%	↓	↓	on		RH=HT3 or timeout	
Drying IV	Gentle	rev-2	75%	75%	-	75%	-	on		RH=target or timeout	HT 3 OR timeout
	Rapid	no rev	75%	-	-	-	-	on		RH=target or timeout	
	other options	rev-2	75%	75%	67%	90%	↓	on		RH=target or timeout	
Cool Down	-	rev-2	off	off	off	off	off	off	off	t <sub>cd</sub>	selected humidity OR timeout
Anticrease 1	-	rev-ac1	off	off	off	off	off	off	off	t <sub>ac1</sub>	duration
Anticrease 2	ACX	rev-ac2	off	off	off	off	off	off	off	t <sub>ac2-1</sub>	duration
		rev-ac3	off	off	off	off	off	off	off	t <sub>ac2-2</sub>	duration OR no ACX selected
Drying End	-	off	off	off	off	off	off	off	off		

Humidity Targets	
HT1	RH=22 %
HT2	RH=22 %
HT3	RH=15 %
selected humidity	RH= selected program target

Reversing type	off (sec)	cw (sec)	off (sec)	ccw (sec)
rev-2	2	80	2	6
rev-ac1	2	80	2	6
rev-ac2	344	10	344	10
rev-ac3	704	10	704	10
no rev	0	90	0	0

Duration	
t <sub>1</sub>	40 min Cotton / 20 min Easy Care & Shirt
timeout	60 min / 40 min Shirt
t <sub>cd</sub>	6 min / 10 min (Jet)
t <sub>ac1</sub>	60 min
t <sub>ac2-1</sub>	2 h
t <sub>ac2-2</sub>	10 h

Heater cycles	Heater on	Heater off
100%	90 sec	0 sec
90%	81 sec	9 sec
83%	74 sec	16 sec
75%	68 sec	22 sec
67%	60 sec	30 sec

WH = Whirlpool, BK = Bauknecht, CD = Condense Dryer, AV = Airvented,  
WCT = Water Container Top, WCB = Water Container Bottom

**Text/Legend**

**Program flow WH/BK CD (CONDENSE DRYER) WCT and WH CD WCB**

Program Phase	Options influencing program phase	Motor movement	Heating Cycles					Humidity measurement	Duration	Conditions to go in the next phase
			Cotton	Easy Care	Shirt Fast Iron (Delicate)	Time Drying (Jet)	Airing			
Programming (Selection)	-	off	off	off	off	off	off	off	-	
Start Delay	-	rev-ac3	off	off	off	off	off	off	1...9h	push start switch AND door closed
Drying I	Gentle	rev-2	100%	100%	-	78%		on	RH=HT1 or t <sub>1</sub>	delay time over OR no delay selected
	Rapid	no rev	100%	-	-	-	-	on	RH=HT1 or t <sub>1</sub>	
	other options	rev-2	100%	100%	83%	100%	⇓	on	RH=HT1 or t <sub>1</sub>	
Drying II	Gentle	rev-2	90%	90%	-	⇓	-	on	RH=HT2 or timeout	WH CD HT 1 OR duration
	Rapid	no rev	100%	-	-	-	-	on	RH=HT2 or timeout	
	other options	rev-2	100%	90%	67%	⇓	⇓	on	RH=HT2 or timeout	
Drying III	Gentle	rev-2	78%	78%	-	⇓	-	on	RH=HT3 or timeout	WH CD HT 2 OR timeout
	Rapid	no rev	100%	-	-	-	-	on	RH=HT3 or timeout	
	other options	rev-2	90%	83%	67%	⇓	⇓	on	RH=HT3 or timeout	
Drying IV	Gentle	rev-2	67%	67%	-	78%	-	on	RH=target or timeout	WH CD HT 3 OR timeout
	Rapid	no rev	78%	-	-	-	-	on	RH=target or timeout	
	other options	rev-2	78%	83%	67%	90%	⇓	on	RH=target or timeout	
Cool Down	-	rev-2	off	off	off	off	off	off	t <sub>cd</sub>	selected humidity OR timeout
Anticrease 1	-	rev-ac1	off	off	off	off	off	off	t <sub>ac1</sub>	duration
Anticrease 2	ACX	rev-ac2	off	off	off	off	off	off	t <sub>ac2-1</sub>	duration
		rev-ac3	off	off	off	off	off	off	t <sub>ac2-2</sub>	duration OR no ACX selected
Drying End	-	off	off	off	off	off	off	off		

Humidity Targets	
HT1	RH=22 %
HT2	RH=22 %
HT3	RH=15 %
selected humidity	RH= selected program target

Reversing type	off (sec)	cw (sec)	off (sec)	ccw (sec)
rev-2	2	80	2	6
rev-ac1	2	80	2	6
rev-ac2	344	10	344	10
rev-ac3	704	10	704	10
no rev	0	90	0	0

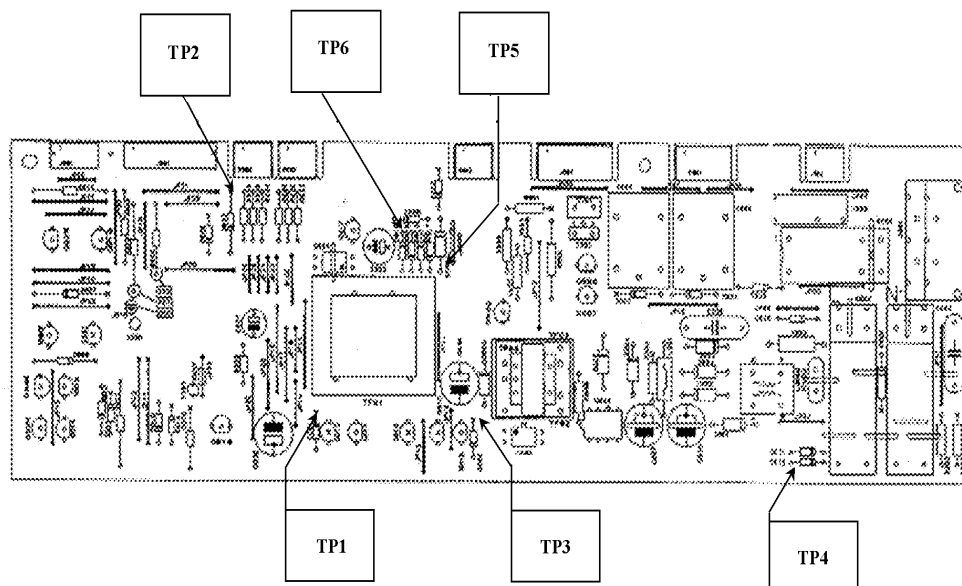
Duration	
t <sub>1</sub>	40 min Cotton / 20 min Easy Care & Shirt
timeout	60 min / 40 min Shirt
t <sub>cd</sub>	12 min / 10 min (Jet)
t <sub>ac1</sub>	60 min
t <sub>ac2-1</sub>	2 h
t <sub>ac2-2</sub>	10 h

Heater cycles	Heater on	Heater off
100%	180 sec	0 sec
90%	162 sec	18 sec
83%	150 sec	30 sec
78%	140 sec	40 sec
67%	120 sec	60 sec

## Text/Legend

## Testpoints at central board

## WH/BK AV, WH/BK WCT and WH WCB



## Test-Voltages:

TP1 (at DZ01, cathode)	Vcc
TP2 (at D017, anode)	-5 V (+/-10%) to Vcc, if User Interface switched on -0,2 V to Vcc, if User Interface switched off
TP3 (at DZ03, anode)	-12 V (+/-10%) to Vcc
TP4 (at D022, anode)	-12 V if door switch closed -1,8 V if door switch open
TP5 (at DZ02, anode)	GND
TP6 (at D015, cathode)	-24 V (+/-10%) to GND, if door closed and drying program started

**WH** = Whirlpool, **BK** = Bauknecht, **CD** = Condense Dryer, **AV** = Airvented,  
**WCT** = Water Container Top, **WCB** = Water Container Bottom

## Text/Legend

### Test programs

The TEST MODE delivers the possibility to check several functions of the dryer independently of the normal drying programs.

#### Entering the Test Mode

- a) Close door of the dryer or block door switch
- b) Rotate program selector to position „Airing“
- c) Press and release option button **OPT1** („Gentle“) three times within 5 sec. (If accidentally the button is pushed more than three times, this will have no negative impact. The test mode will start in step.1 anyway)

If the sequence a) - c) is correct: => Test Mode basic signal is displayed ( see Test mode display) and Step 1 of test program is executed.

To advance to the other steps sequentially push „Start“ button.

#### Leaving the Test Mode

The TEST MODE is terminated by:

- Interrupt of the mains supply for a minimum time of 60 sec.  
**OR**
- Open door  
**OR**
- Turn rotary selector  
**OR**
- Last step of test program is reached and Start button is pushed once more

#### Test mode display

When testmode is entered:

LED group:		Behaviour:
Program sequence LEDs (on all display modules)	BK: PS2...PS8	Indication of test step acc. table ,indication“
	WH: PS2...PS5	
Display Remain Time(3 digits) (optional)	BK: DIGITS1	Indication of test step acc. table ,indication“
	WH: DIGITS2	
Program LEDs (on all display modules BK)	BK: PRG2...PRG14	Indication acc. table ,indication“
	WH: not available	
Buzzer (on all display modules)		Beeps when button OPT1 („Gentle“) is pushed
Dryness Level Adjustment Display (2 digits)/ LED bar	BK: DIGITS2 / LEV0...LEV2	Indication acc. table ,indication“
	WH: not available	

## Text/Legend

### Indication

Indicator	Test Program Step									
	Step 1>>	Step 2>>	Step 3>>	Step 4>>	Step 5>>	Step 6>>	Step 7>>	Step 8>>	Step 9	
<b>Program LEDs</b>	all ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
<b>Program Sequence</b>	LED Drying (BK) / Overdry Protection (WH)	ON	OFF	OFF	OFF	ON	ON	ON	ON	last error code
	LED Cool Down (BK) / Drying (WH)	ON	ON	OFF	OFF	ON	OFF	OFF	ON	
	LED End (WH+BK)	ON	OFF	ON	OFF	OFF	ON	OFF	ON	
	LED Anticrease (WH+BK)	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
	LED Iron Dry *	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	LED Cupboard Dry *	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LED Extra Dry* *only BK	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
7 segment display Remain Time (3 digits) optional	,8:88'	.2'	,3'	,4'	,5'	,6'	,7'	,8'	last error	
Dryness Level 7 segment display (2 digits)	,+8'	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
Dryness Level LED bar	all ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	

Option LEDs and Failure LEDs see description of test steps.

### After sales service test program

The test program works sequentially, that means the change from one program step to the next has to be done only by request of pushing the „Start“ button!

Test Program Step No.	Test/Tested Component	Description	
<b>Step1</b>	Factory Test Program 1	Motor ON, short reversing rev-x Heating Element ON, cycle heat-x Display and Button Test: ON Humidity Input Test: OFF Pump and Float Switch Test ON Heater Wiring Test ON Fluff Detection Test ON	Test Mode is entered
<b>Step2</b>	Factory Test Program 2	Motor ON, cycle rev-y Heating Element: ON, cycle heat-y Display and Button Test: OFF Pump and Float Switch Test: ON Heater Wiring Test ON Fluff Detection Test ON	Push start button
<b>Step3</b>	Humidity Input	Description see below Pump and Float Switch Test ON	Push start button
<b>Step4</b>	Motor CCW	Motor: ON, ccw Heating Element: OFF	Push start button
<b>Step5</b>	Motor CW	Motor: ON, cw Heating Element: OFF	Push start button
<b>Step6</b>	Heating Element Full Power	Heating Element ON, 100% Motor: ON, cw	Push start button
<b>Step7</b>	Heating Element Reduced Power	Heating Element ON, 78% Motor: ON, cw	Push start button
<b>Step8</b>	Humidity Input	Description see below	Push start button
<b>Step9</b>	Display last failure/error code	Last error/failure code is displayed	Push start button
<b>EXIT</b>	Leave Test Mode		Push start button

## Text/Legend

### Heating and Reversing Cycle for Factory Test Program 1 (Step1):

		Heating Element heat-x		Motor rev-x			
Brand	Type	Heater ON	Heater OFF	CW ON	OFF	CCW ON	OFF
WH	CD 1900 W	12 sec.	0 sec.	5 sec.	2 sec.	3 sec.	2 sec.
	CD 2200 W	12 sec.	0 sec.	3 sec.	2 sec.	5 sec.	2 sec.
	AV 2050 W	14 sec.	0 sec.	4 sec.	2 sec.	6 sec.	2 sec.
	AV 2500 W	14 sec.	0 sec.	6 sec.	2 sec.	4 sec.	2 sec.
BK	CD 1900 W	12 sec.	0 sec.	3 sec.	2 sec.	5 sec.	2 sec.
	CD 2200 W	12 sec.	0 sec.	5 sec.	2 sec.	3 sec.	2 sec.
	AV 2050 W	14 sec.	0 sec.	6 sec.	2 sec.	4 sec.	2 sec.
	AV 2500 W	14 sec.	0 sec.	4 sec.	2 sec.	6 sec.	2 sec.

### Heating and Reversing Cycle for Factory Test Program 2 (Step2):

		Heating Element heat-y		Motor rev-y			
Brand	Type	Heater ON	Heater OFF	CW ON	OFF	CCW ON	OFF
WH	Condenser	19 sec.	0 sec.	10 sec.	2 sec.	5 sec.	2 sec.
	Airvented	24 sec.	0 sec.	10 sec.	2 sec.	10 sec.	2 sec.
BK	Condenser	20 sec.	0 sec.	10 sec.	2 sec.	10 sec.	2 sec.
	Airvented	19 sec.	0 sec.	10 sec.	2 sec.	5 sec.	2 sec.

### Humidity Measurement Test

Max. Duration: no limit

Description: Test is active during Steps 3 and Step8

- Resistors have to be connected at the humidity sensor
- Door must be closed or door switch blocked (otherwise 24V power supply off)
- LEDs indicate measured humidity level due to following table:

Resistances	LED OPT1 („Gentle“)	LED Failure 2 („Fluff Filter“)
250 kOhm	ON	OFF
1130 kOhm	ON	ON
3700 kOhm	OFF	ON
open circuit	OFF	OFF

### Display and Button Test

Max. Duration: no limit

Description: Test is active during Step1

- If option buttons are pushed related LEDs are switched on and off (also start delay).
- BK: If button + or – of dryness level indication pushed, indication of related seven segment display / LED bar is toggled on/off.

### Pump and Float Switch Test (only Condense Dryer)

Max. Duration: no limit

Description: Test is active during Step 1 and Step 2

- WCT:
1. Pull out container and fill in water until float switch is activated
  2. Pump should start and „Container“ indication should be ON
  3. Insert Container to recollect the water
  4. When float switch switches back, „Container“ LED is OFF
  5. Pump will continue for 60 seconds until water is drained out

- WCB:
1. Pull out container
  2. Indication „Container“ should go ON
  3. Insert container
  4. Indication „Container“ should go OFF

### Heater Wiring Test

Max. Duration: during first 60 sec in Step 1, Step 2 unlimited

Description: Test is active during Step 1 and Step 2

- In case of cross-plugging of wiring on heater/thermostat, „Fluff filter“ LED is flashing (0,5 sec ON/ 0,5 sec OFF).