

ELK			
Part	Required Tests	Test Clause	Required Documents
Electronic Board (UV, UI, Wi-Fi, Dryer, Pyrojet Boards)	Input Test	Clause 10	Circuit Diagram
	Heating Test	Clause 11	Wiring Diagram
	Leakage Current Test	Clause 13 ve 16	Material Test Reports
	High Voltage Test	Clause 13 ve 16	EMC Control (EMC performance should control by electronic board supplier)
	Humidity Test	Clause 15	-
	Abnormal Tests	Clause 19	-
	Safety&EMC Tests	Clause 19	-
	Tracking Test	Clause 29	-
	Creepage Clearance Control	Clause 29	-
	Ball Pressure Test	Clause 30	-
	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	Software Evaluation Tests	Annex R	-
	EMF Test	EN 62233	-
	EMC Approval Tests	55014 ve 61000 Standard Series	-
	Arc Tracking Test	Vestel spekt	-
	Hot Wire Ignition Test	Vestel spekt	-
	Touch Panel Sensibility Test	Vestel spekt	-
BLDC Board	Heating Test	Clause 11	Circuit Diagram
	Leakage Current Test	Clause 13 ve 16	Wiring Diagram
	High Voltage Test	Clause 13 ve 16	Material Test Reports
	Humidity Test	Clause 15	Approval certificate for Software Class B.
	Safety&EMC Tests	Clause 19	-
	Locked Rotor Test	Clause 19.7	-
	Lost of Phase Test	Clause 19.8	-
	Running Overload Test	Clause 19.9	-
	FMEA Review + Practical Test of the relevant failures	Clause 19.11.2	-
	Software Class B report related with motor over heat issues.	Clause 22.46	-
	Creepage Clearance Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball Pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
	Software Evaluation Tests	Annex R	-
	EMC Approval Tests	55014 ve 61000 Standard Series	-
	Hot Wire Ignition Test	Vestel spekt	-
Parazit Filtresi	Heating Test	Clause 11	Material Test Reports
	Tracking Test	Clause 29	Plastic Material Datasheet
	Glow wire test	Clause 30	Must be approved by an independent testing organization.
	Ball pressure test	Clause 30	It must comply with the IEC/EN 60939 standard.
	Discharge Test	-	-
	Needle Flame Test	Annex E	-
	EMC Approval Tests	55014 ve 61000 Standard Series	-
	Leakage Current Test	Clause 13 ve 16	-
	HWI test	Vestel spekt	-
	-	-	It must comply with the IEC 60384-14 standard. In addition, the conditions in the IEC 60335 standard must be complied with during the design.
Kapasite	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
Röle	Heating Test	Clause 11	Material Test Reports
	Tracking Test	Clause 29	Approval certificate
	Glow wire test	Clause 30	-
	Ball pressure test	Clause 30	-
	Needle Flame test	Annex E	-
Selektör	Heating Test	Clause 11	It must comply with the IEC 61058 standard.
	Tracking Test	Clause 29	Must be approved by an independent testing organization.
	Glow wire test	Clause 30	Certificate of approval showing compliance with the IEC 61058 standard
	Ball pressure test	Clause 30	Material Test Reports
	Needle Flame test	Annex E	Plastic Material Datasheet
Konnektör	HWI test	Vestel spekt	-
	Heating Test	Clause 11	Material Test Reports
	Tracking Test	Clause 29	Plastic Material Datasheet
	Glow wire test	Clause 30	-
	Ball pressure test	Clause 30	-
Supply Cord & Plug	Needle Flame test	Annex E	-
	HWI test	Vestel spekt	-
	Heating Test	Clause 11	-
	Supply Cord Pulling Test	Clause 25.15	-
	Earth Continuity Test	Clause 27.5	-
Cable Harness	Tracking Test	Clause 29	-
	Glow wire test	Clause 30	-
	Ball pressure test	Clause 30	-
	Needle Flame Test	Annex E	-
	Uncontrolled Spin Test	Clause 20.102	-
	Sharp Edge	Clause 23.1	-

EMK			
Part	Required Tests	Test Clause	Required Documents
Universal Motor	Label Check	Clause 7	Checked in Appliance
	Heating Test	Clause 11	Manufacturer DoI and Cdf
	Leakage Current Test	Clause 13.2 & 16.2	Approval certificate IEC/EN 60730 for thermal protector.
	High Voltage Test	Clause 13.3 & 16.3	-
	IPX4 - Spillage Test	Clause 15.1	-
	Humidity Chamber Test	Clause 15.3	-
	Locked Rotor Test	Clause 19.7	-
	Continuous Running Test	Clause 19.11.2	-
	Included Plane Test	Clause 20.1	-
	Uncontrolled Spin Test	Clause 20.102	-
	Annex D Test	Clause 24	-
	Earth Continuity Test	Clause 27.5	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Ball pressure Test	Clause 30	-
	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	EMC Test & Report	-	-
BLDC Motor	Label Check	Clause 7	Checked in Appliance
	Heating Test	Clause 11	Manufacturer DoI and Cdf
	Leakage Current Test	Clause 13.2 & 16.2	Approval certificate Software Class B (Annex R.1 Table).
	High Voltage Test	Clause 13.3 & 16.3	-
	IPX4 - Spillage Test	Clause 15.1	-
	Humidity Chamber Test	Clause 15.3	-
	Locked Rotor Test	Clause 19.7	-
	Lost of Phase Test	Clause 19.8	-
	Running Overload Test	Clause 19.9	-
	Continuous Running Test	Clause 19.11.2	-
	Included Plane Test	Clause 20.1	-
	Uncontrolled Spin Test	Clause 20.102	-
	Annex D Test	Clause 24	-
	Earth Continuity Test	Clause 27.5	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
Heating Element (Washer)	EMC Test & Report	-	-
	Input Test	Clause 10	Approval certificate IEC/EN 60691 for Thermal fuse
	Heating Test	Clause 11	Approval certificate IEC/EN 60691 for heating element.
	Leakage Current Test	Clause 13.2 & 16.2	-
	High Voltage Test	Clause 13.3 & 16.3	-
	Humidity Chamber Test	Clause 15.3	-
	Dry Heating Test	Clause 19.101	-
	Heating element short Circuit T	Clause 19.5	-
	Checking Certificate of the Comp	Clause 24	-
	Earth Continuity Test	Clause 27.5	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
Heating Element (Dryer)	Input Test	Clause 10	Approval certificate IEC/EN 60691 for heating element.
	Heating Test	Clause 11	-
	Leakage Current Test	Clause 13.2 & 16.2	-
	High Voltage Test	Clause 13.3 & 16.3	-
	Humidity Chamber Test	Clause 15.3	-
	(Part 2-11) Air circulation blocked (0%, 50%, 75% and 100%)	Clause 19.4	-
	Heating element short Circuit T	Clause 19.5	-
	Continuous Operation	Clause 19.11	-
	Earth Continuity Test	Clause 27.5	-
	Checking Certificate of the Comp	Clause 24	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
	(Part 2-11) Air circulation blocked (0%, 50%, 75% and 100%)	Clause 19.4 (Part 2-11)	Approval certificate IEC/EN 60730-1 & IEC/EN 67030-2-9.
	Heating element short Circuit T	Clause 19.5	-
	Drum belt removed	Clause 19.101 (Part 2-11)	-
	Checking Certificate of the Comp	Clause 24	-
Non-self resetting thermal cut out (Thermostat)	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
	Heating element short Circuit T	Clause 19.5	Approval certificate IEC/EN 60730-1 & IEC/EN 67030-2-9.
	Checking Certificate of the Comp	Clause 24	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
Self resetting thermal cut out (Thermostat)	Heating element short Circuit T	Clause 19.5	Approval certificate IEC/EN 60730-1 & IEC/EN 67030-2-9.
	Checking Certificate of the Comp	Clause 24	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
NTC (Washer)	Failure Modes can be tested as:	-	-
	1- open circuit	-	-
	2- short circuit	-	-
	3- placed at ambient condition	-	-
NTC (Dryer)	Failure Modes can be tested as:	-	-
	1- open circuit	-	-
	2- short circuit	-	-
	3- placed at ambient condition	-	-
Pump	Label Check	Clause 7	Checked in Appliance
	Heating Test	Clause 11	Manufacturer DoI and Cdf
	Leakage Current Test	Clause 13.2 & 16.2	Approval certificate IEC/EN 60730 for thermal protector.
	High Voltage Test	Clause 13.3 & 16.3	-
	IPX4 - Spillage Test	Clause 15.1	-
	Humidity Chamber Test	Clause 15.3	-
	Locked Rotor Test	Clause 19.7	-
	Continuous Running Test	Clause 19.11.2	-
	Water Leakage Test	Clause 22.6	-
	Annex D Test	Clause 24	-
	Earth Continuity Test	Clause 27.5	-
	Clearance and Creepage Control	Clause 29	-
	Tracking Test	Clause 29	-
	Ball pressure Test	Clause 30	-
	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	EMC Test & Report	-	-
Inlet Valve	Back Flow Test	-	Approval certificate for IEC 60730-2-8
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
Door Switch	IPX4 - Spillage Test	Clause 15.1	Approval certificate for IEC 60730-2-8
	Child Safety Test	Clause 20.107	-
	Door Force Open Test	Clause 22.104	-
	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-
Level Switch (EPS)	Tracking Test	Clause 29	-
	Glow Wire Test	Clause 30	-
	Ball pressure Test	Clause 30	-
	Needle Flame Test	Annex E	-

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Part	Required Tests	Test Clause	Required Documents
Control Panel Aesthetics	Robustness test for max	Clause 7.14	-
	Heating Test	Clause 11	-
	Electric strength test for Supplementary Insulation (1750 V)	Clause 13.3	-
	IPX4 - Spillage Test	Clause 15.1	-
	Humidity Chamber Test	Clause 15.3	-
	Spring Hammer Test	Clause 21.1	-
	Tracking Test	Clause 29	-
	Ball pressure Test	Clause 30	-
	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	Touch Panel Sensibili	-	-
	Heating Test	Clause 11	-
	IPX4 - Spillage Test	Clause 15.1	-
	Child safety test	Clause 20.107	-
	Spring Hammer Test	Clause 21.1	-
Door Aesthetics	Door Hinge Overload Test	Clause 21.101.2	-
	Door Force Open Test	Clause 22.104	-
	Tracking Test	Clause 29	-
	Ball pressure Test	Clause 30	-
	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	Machine Body & Sizes	Protection against access to live parts	Clause 8
Heating Test		Clause 11	-
Included Plane Test		Clause 20.1	-
Uncontrolled Spin Test		Clause 20.102	-
High Voltage Test		Clause 13 ve 16	- Approval certificate IEC/EN 61770
Humidity Chamber Test		Clause 15.3	- Approval certificate IEC/EN 60730-2-8
Hose Set	Tracking Test	Clause 29	-
	Ball pressure Test	Clause 30	-
All Plastic Parts (Wiring Router, Stopper)	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	IPX4 - Spillage Test	Clause 15.1	-
	Non-detachable parts	Clause 22.11	-
	Tracking Test	Clause 29	-
	Ball pressure Test	Clause 30	-
Drum & Pulley	Glow Wire Test	Clause 30	-
	Needle Flame Test	Annex E	-
	Included Plane Test	Clause 20.1	-
	Uncontrolled Spin Test	Clause 20.102	-
	Earth Continuity Test	Clause 27.5	-
	Tracking Test	Clause 29	-
Mechanical Balance Group (damper, Concrete)	Included Plane Test	Clause 20.1	-
	Uncontrolled Spin Test	Clause 20.102	-

Belt	Electric strength test for Supplementary insulation (1750 V)	Clause 13.3	
	Uncontrolled Spin Test	Clause 20.102	
Pyrojet	Heating Test	Clause 11	
	Leakage Current Test	Clause 13.2 & 16.2	
	High Voltage Test	Clause 13.3 & 16.3	
	IPK4 - Spillage Test	Clause 15.1	
	Abnormal Test-Heater Short C	Clause 19	
	Earth Continuity Test	Clause 27.5	
	Tracking Test	Clause 29	
	Glow Wire Test	Clause 30	
	Ball pressure Test	Clause 30	
	Needle Flame Test	Annex E	
Steam generator	Heating Test	Clause 11	
	Leakage Current Test	Clause 13.2 & 16.2	
	High Voltage Test	Clause 13.3 & 16.3	
	IPK4 - Spillage Test	Clause 15.1	
	Abnormal Test-Heater Short C	Clause 19	
	Earth Continuity Test	Clause 27.5	
	Tracking Test	Clause 29	
	Glow Wire Test	Clause 30	
	Ball pressure Test	Clause 30	
	Needle Flame Test	Annex E	
Hydro Boost	Back Flow Test		
	Input Test	Clause 10	
	Heating Test	Clause 11	
	Discharge Test		
	Tracking Test	Clause 29	
	Glow Wire Test	Clause 30	
	Ball pressure Test	Clause 30	
	Needle Flame Test	Annex E	