

AATCC Washing Machine

AATCC official website recommendations



<https://www.aatcc.org/laundrying/#washers>

Detergent	Washing Machines	Tumble Dryers
Standard laundering conditions, detergent, and washing machine specifications have long been included in AATCC test methods. They were historically updated by the relevant committees as needed. In 1984, machine parameters were moved to AATCC M6 and maintained by AATCC Research Committee R488, Home Laundering Technology. From 1984 to 2017, M6 was gradually expanded to include parameters for a wide range of home laundering conditions. There was no clear correlation among the prescribed machines or detergents. In 2018, several research committees approved revised test methods with aligned, standard laundering conditions that are not expected to change for some time. Also in 2018, two new Laboratory Procedures were published with standard and alternate laundering conditions. AATCC LP1 and AATCC LP2 are complete laundering protocols that may be used in coordination with appearance evaluation, flammability preparation, or other procedures. AATCC LP1 replaces AATCC M6, with considerable additional information. Click to expand list of available machines.		
Standard Conditions The manufacturers report that the following machines meet the parameters listed in the current versions of AATCC TM88B, TM88C, TM124, TM130, TM135, TM143, TM150, TM179, and TM207. These parameters are also listed in AATCC LP1, Home Laundering: Machine Washing, Table I. AATCC does not verify the parameters of washing machines or dryers. → Labtex LBT-M6 → - Labtex LBT-M6		
Alternate Conditions The manufacturers report that the following machines meet the parameters listed in the noted tables of AATCC LP1, Home Laundering: Machine Washing. → Labtex LBT-M6 (Tables I, IIC, IID, IIIA, IIIB) → Labtex LBT-M6T (Tables IIA 1.8-kg load only, IIB 1.8-kg load only) → - Labtex LBT-M6 (Tables I, IIC, IID, IIIA, IIIB) → - Labtex LBT-M6T (Tables IIA 1.8-kg load only, IIB 1.8-kg load only)		



Model:LBT-M6

Standard:

AATCC TM88B, TM88C, TM124, TM130, TM135, TM 150-2018t, TM 179-2023, TM207-2019, AATCC LP1-2021, ISO 6330:2021(E) Table C.1

Washing Program:

Table I (Normal.Delicate.Permanent Press)
Table IIC (Normal.Delicate.Permanent Psress)
Table IID (Normal.Delicate)
Table IIIA (Normal.Delicate)
Table IIIB (Normal.Delicate)
Table IIIC (Normal.Delicate)
Drain & Spin、 Rinse & Spin、 Customized (After editing the program via computer software, it is written into the washing machine.)

Instrument Characteristics:

- 1.Fully compliant with AATCC standard shrinkage testing methods.
- 2.Capable of providing test requirement programs beyond standard testing methods for users.
- 3.Enables automatic control of multi-cycle washing.
- 4.IoT interface for remote monitoring and control of machine operating status.
- 5.Configurable with LBT series automatic powder feeding control system to realize unattended multi-cycle washing process.

Technical Parameter:

- 1.Water inlet temperature control: 25-60°C (washing process); tap water (rinsing process)
 - 2.Laundry capacity: 10.5 kg
 - 3.Power supply: 220V/50Hz or 110V/60Hz
 - 4.Water supply: Water supply pressure > 0.15 Mpa
 - 5.Packaging dimensions: 820mm × 810mm × 1330mm
 - 6.Packaging weight: 133 kg
- (This machine is not equipped with a heater; hot water supply is provided by an external water heater)

**140-0002-0 Washing Program-----AATCC LP1-2021 Table I
AATCC TM88B、88C-2018t Table I
AATCC 124、135、143、150-2018t Table I
AATCC 179-2023 Table I
ISO 6330:2021 (E) Table C.1
Washing Program Parameters**

Cycle	Normal	Permanent Press	Delicate
Water Level Medium	19 ± 1gal	19 ± 1gal	19 ± 1gal
Agitation Speed	86 ± 2spm	86 ± 2spm	27 ± 2spm
Stroke Length	Up to 220°	Up to 220°	Up to 220°
Washing Time	16 ± 1min	12 ± 1min	8.5 ± 1min
Final Spin Speed	660 ± 15rpm	500 ± 15rpm	500 ± 15rpm
Final Spin Time	5 ± 1min	5 ± 1min	5 ± 1min

140-0005-0 Washing Program-----AATCC LP1-2021 Table IIC

Cycle	Normal	Permanent Press	Delicate
Water Level Medium	19 ± 1gal	19 ± 1gal	19 ± 1gal
Agitation Speed	86 ± 2spm	86 ± 2spm	27 ± 2spm
Stroke Length	Up to 220°	Up to 220°	Up to 220°
Washing Time	16 ± 1min	12 ± 1min	8.5 ± 1min
Final Spin Speed	660 ± 15rpm	500 ± 15rpm	500 ± 15rpm
Final Spin Time	5 ± 1min	5 ± 1min	5 ± 1min

140-0006-0 Washing Program----AATCC LP1-2021 Table IID

Cycle	Normal	Delicate
Water Level Medium	19 ± 2gal	19 ± 2gal
Agitation Speed	86 ± 5spm	27 ± 5spm
Stroke Length	Up to 220°	Up to 220°
Washing Time	16 ± 2min	8.5 ± 1min
Final Spin Speed	660 ± 15rpm	500 ± 15rpm
Final Spin Time	5 - 10min	5 - 10min
Number of Rinses	1	1

140-0007-0 Washing Program----AATCC LP1-2021 Table IIIA

Cycle	Normal	Delicate
Water Level Medium	8 ± 2gal	15 ± 1gal
Agitation Speed	60 ± 5spm	75 ± 5spm
Washing Time	11 ± 2min	9 ± 2min
Final Spin Speed	770 ± 20rpm	500 ± 20rpm
Final Spin Time	5 - 18min	5 - 10min
Number of Rinses	1	1

140-0008-0 Washing Program----AATCC LP1-2021 Table IIIB

Cycle	Normal	Delicate
Water Level Medium	18 ± 2gal	18 ± 2gal
Agitation Speed	60 ± 5spm	70 ± 5spm
Washing Time	14 ± 2min	8 ± 2min
Final Spin Speed	660 ± 20rpm	660 ± 20rpm
Final Spin Time	5 - 10min	1 - 6min
Number of Rinses	1	1

Optional:Washing machine installation (water source) accessories

- 1.Pre filter:filters impurities from the water source
- 2.Pressure gauge:monitoring water pressure



Configuration:

- Pre-filter 2 sets
- Pressure gauge 2 sets
- Internal and external 4-point 3-way connector 2 sets
- 4-point sealing gasket 6 pieces