

| Data sheet for Tank dishwasher MEAN (of machines) | Dishes per wash DN | Energy per wash kWh | Water per wash l | Time per wash sec | Max wash temp C | Max rinse temp C | Wash result front x | Wash result back y | Cleaning index front F | Cleaning index back B | Cleaning index total J | Clean index refmean/ref corr | Cleaning index total *corr Jc |
|---|-----------------------|------------------------|---------------------|----------------------|--------------------|---------------------|------------------------|-----------------------|---------------------------|--------------------------|---------------------------|------------------------------|-------------------------------|
| Wash | 17.3 | 0.547 | 3.77 | 133 | 54.0 | 83.1 | 17.3 | 41.1 | 74.3 | 70.52 | 72.40 | 1.0003 | 72.39 |
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| | | Energy kWh | Water l | Time min | | | | | | | | | |
| Start to ready mode | | 3.438 | 46.86 | 31.0 | | | | | | | | | |
| Ready mode 4h | | 1.273 | 0.07 | 240 | | | | | | | | | |
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The data have been determined according to VGG Prüfverfahren zur Reinigungs-Index-Bestimmung von gewerblichen Geschirrspülmaschinen, Blatt 1, Kleinmaschinen. Entwurf 1970-06-12 ergänzt 1973-02-15, (Ref 1) with some modifications.

The modifications follow as far as possible the European standard EN 50242 for household dishwashers.

Ambient conditions: Temperature (23 +/- 2) C, air humidity (55 +/- 5) % RH

Power supply: Regulated voltage 230/400 V, 3N, neutral and ground

Water supply: Temperature (15 +/- 2) C, pressure (240 +/- 50) kPa, soft water

The machine was selected, installed and started by the machine supplier including selection of programme (Standard dish programme with duration about 2 minutes).

Soil has been prepared as in Ref 1 and applied with 7 gram per dish. Washing has been started immediately after the soiling of dishes for the machine was finished. Detergent in liquid form of the make Dr. Weigert, neodisher, Alka300 is manually dosed in an amount of 2 ml per litre water in the wash tank. After the first five washes an additional amount is supplied corresponding to the amount of water taken in during the first five washes.

Rinse agent of make Dr. Weigert, neodisher, TS is added automatically in a rate arranged by the supplier of the machine.

The machine was started from an emptied and cleaned condition and after being ready 10 washes were performed successively on the machine all with the prescribed number of soiled dishes arranged as described by the supplier in the delivered baskets.

A reference machine Miele G 8066 was run in parallel to monitor possible variations in test conditions such as e.g. preparation and application of soiling.

For every second wash the dishes were inspected for cleaning result as described in Ref 1.

This data sheet gives the mean value of the results of the 10 washes:

Dishes per wash is the number of dishes soiled and washed in each wash.

Energy per wash is the mean energy consumption for the 10 washes. It is determined as the total energy consumption during the time period for performing the 10 washes subtracted by the energy consumption for the ready mode in an equal period of time.

Water per wash is the mean water consumption during the wash

Time is the mean duration of the wash measured in seconds by a stopwatch from start of the wash until the machine signals that the wash is finished

Max wash temp is the mean of maximum wash temperature measured every 10 seconds by a thermocouple placed between the dishes

Max rinse temp is the mean of the maximum rinse temperature measured every 1 second by a thermocouple placed in the rinse water flow upstream of the rinse spray arm but as close to the rinse spray arm as possible for the given construction of the machine.

Wash result front and back is judged by visual inspection as in Ref 1

Cleaning index total is the mean of results computed as in Ref 1 for the single wash.

Clean index refmean/ref is the correction factor found by dividing the mean value of the cleaning index for the reference machine for all the tests performed in this series of tank washing machine tests with the mean value found for the reference machine when running in parallel with this specific machine.

Cleaning index total corr is the final cleaning result after correction with the results of the reference machine

Start to ready mode The machine has been started from an emptied and ambient temperature condition. Energy and water consumption and time have been measured from the start until the machine has reached a ready mode characterized by the water temperature in the wash tank being in the wash temperature range for this machine and that the energy consumption has stopped. Two tests are performed and the mean value is determined

Ready mode 4h Energy and water consumption and time have been measured from a condition where the water temperature in the wash tank is in the wash temperature range for this machine and until 4 hours later where the same situation is existing/established. The test is performed with a closed top if possible. Two tests are performed and the mean value is determined.