

Winterhalter C50 M

Rack Conveyor Dishwashing Machine

The C50 M dishwasher delivers the **necessary performance** in peak times and saves energy when it's quiet. With its compact dimensions, the C50 M also fits into the smallest kitchens.

Top **quality cleaning results** are guaranteed by the perfectly coordinated combination of a powerful pump, an optimised water distribution and five upper and four lower wash arms with specially designed jets ideally arranged for total coverage as well as an elaborated curtain design and positioning.

With **three conveyor speeds**, the C50 M can be easily adapted to variable quantities of items to be washed and to their degree of soiling. The fast programme is selected to do the job during busy periods or to wash away light soiling, saving both money and time. The intensive programme even meets the requirements according to the DIN SPEC 10534 and improves the cleaning result when it's getting tough.

Thanks to **its rack-activation**, the wash and the rinse zone are only activated when racks actually enter the respective zone. This feature significantly **reduces operating costs**, noise, steam and heat emissions.

Standard features:

- Drain pump
- Non pressurised boiler
- 180° pivoting hygiene door
- Completely closed base cover
- Rack-controlled zone activation
- Deep-drawn hygienic tank bottom
- Sufficient heating power in tank and boiler
- 3 transport speeds (individually adjustable)
- Colour coded display incl. temperature indication and fault diagnosis



Your benefits are:

- Easy operation
- Energy efficiency
- Low operating costs
- High rack capacities
- Best cleaning results
- High service friendliness
- Modern and compatible design
- Independence from on-site water pressure
- Peace of mind

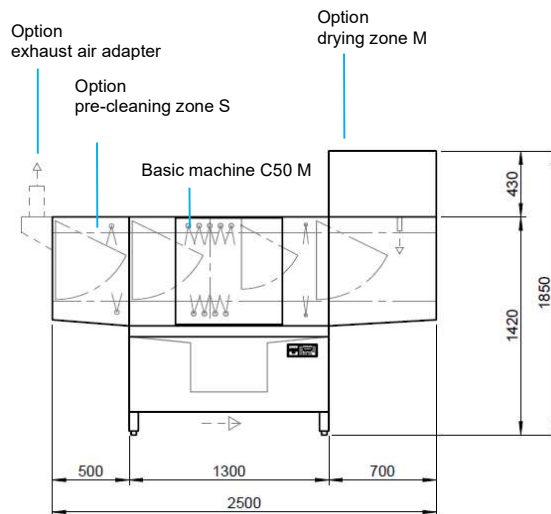


Options:

- Drying zone M
- Corner entry
- Table limit switch
- Pre-cleaning zone S
- Emergency stop switch
- 30 kW boiler (increased by 3 kW)
- HighTemp Kit (+ 9 kW tank heater)
- 90° mechanical inlet corner conveyor
- Increase of working height to 950 mm
- Selectable running directions (L-R / R-L)
- 90° / 180° outlet corner conveyor (mechanical or electrical)
- Exhaust air adapters for inlet and outlet side (on outlet side not in combination with dryer)

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Dimensions [mm]

Width C50 M	1,300
Width C50 SM (pre-cleaning zone S)	1,800
Width C50 M-M (drying zone M)	2,000
Width C50 SM-M (pre-cleaning zone S & drying zone M)	2,500
Depth door closed (open)	800 (1,472)
Height	1,420
Height with exhaust air adapter	1,600
Height with drying zone M	1,850
Working height	900
Rack dimensions	500 x 500
Clear entry height / width	450 / 510 ± 5
Water connection	G ¾"
Waste water connection	DN 40 / 50

General data

Weight net (gross)	200 (250) kg
Weight pre-cleaning zone S net (gross)	25 (57) kg
Weight drying zone M net (gross)	66 (98) kg
Capacity wash tank (start-up)	75 l
Circulating pump	520 l/min
Circulating pump (incl. pre-cleaning zone S)	550 l/min
Noise emission	< 70 dB(A)

Max. theoretical capacity [racks/h]

C50 M	70 / 110 / 165
C50 M HighSpeed	70 / 130 / 200
C50 SM (pre-cleaning zone S)	90 / 140 / 210
C50 SM HighSpeed (pre-cleaning zone S)	90 / 170 / 260

Rinse water consumption (under ideal conditions)

C50 M	230 l / h
C50 SM (pre-cleaning zone S)	260 l / h

Water connection

Minimum flow pressure	150 kPa / 1.5 bar
Maximum inlet pressure	600 kPa / 6.0 bar
Flow rate	at least 15 l/min.
Inlet water temperature	10 - 60 °C

Weight pressure point per foot

C50 M	84 kg
C50 SM (pre-cleaning zone S)	92 kg
C50 M-M (drying zone M)	103 kg
C50 SM-M (pre-cleaning zone S & drying zone M)	110 kg

Marks of conformity

CB, CE, WRAS, IEC 61770

Thermal radiation*

	Sensitive	Latent	Waste water
C50 M	4.1 kW	2.1 kW	8.0 kW
C50 SM (pre-cleaning zone S)	4.1 kW	2.1 kW	9.1 kW
C50 M-M (drying zone M)	5.0 kW	2.5 kW	8.0 kW
C50 SM-M (pre-cleaning zone S & drying zone M)	5.0 kW	2.5 kW	9.1 kW

Electrical values [HighTemp]

Mains	Fuse protection in A	Total connected load in kW	Tank heating in kW	Boiler heating in kW	Motors in kW	Drying zone M
230 V, 3~, 50 / 60 Hz	125 [160]	47.5 [56.5]	18.0 [27.0]	27.0	1.89	w/o
230 V, 3~, 50 / 60 Hz	160 [160]	52.0 [61.0]	18.0 [27.0]	27.0	2.39	incl.
380 V - 415 V, 3N~, 50 / 60 Hz	80 [100]	43.7 - 51.6 [51.9 - 61.4]	18.0 [27.0]	27.0	1.89	w/o
380 V - 415 V, 3N~, 50 / 60 Hz	100 [100]	47.7 - 56.6 [56.0 - 66.2]	18.0 [27.0]	27.0	2.39	incl.

*On an assumed utilisation of 80 %, 400 V connection, rinse water quantity 230 l/h (incl. pre-cleaning zone S: 260 l/h), standard speeds and temperatures. Due to many individual conditions on-site (kind and size of dishes, inlet water temperature, water quality etc.), these values can only be approximate. The residual heat emissions by the dishes are not included in these values and have to be considered additionally.