

Technical Data: UF Series

General

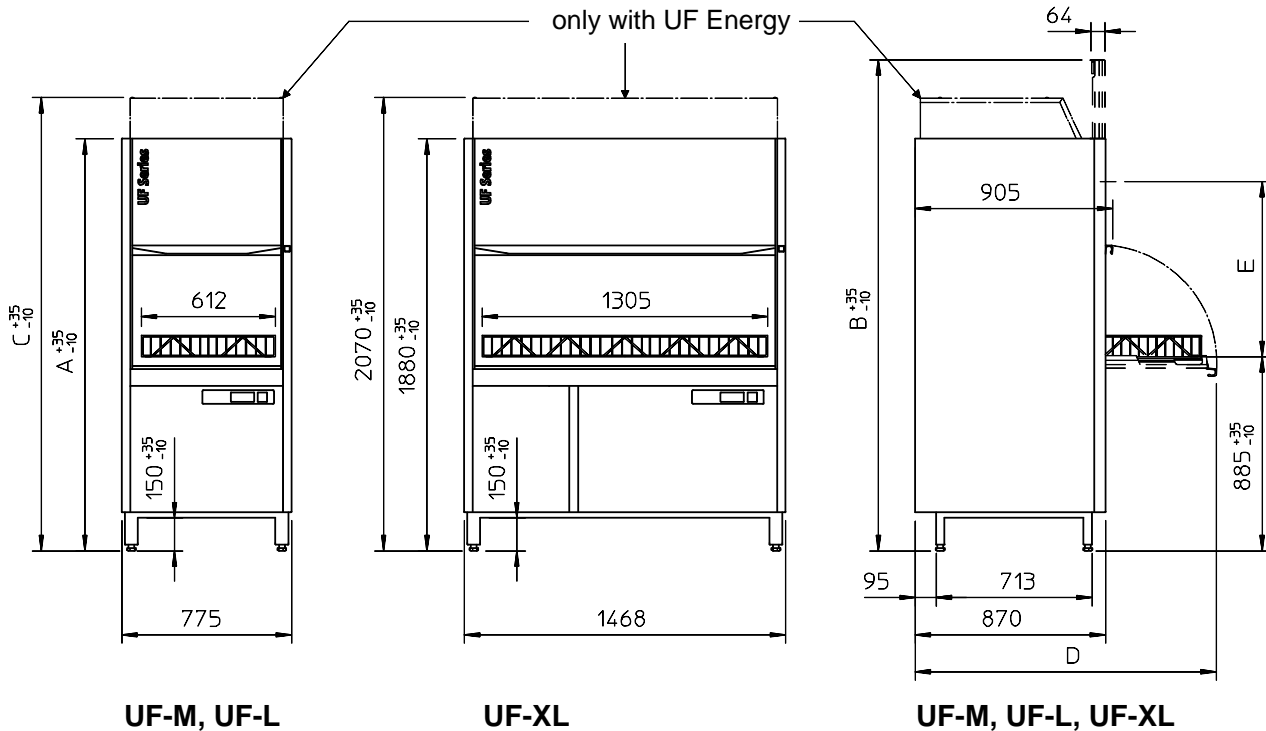
The warewashers of the UF Series are available in three sizes: UF-M, UF-L and UF-XL.

Depending on the application, the following three versions are available for the software:

- Bakery
- Butcher's shop
- Universal

Optionally, each warewasher is available with an integrated heat exchanger (UF Energy).

Dimensions



		UF-M	UF-L	UF-XL
A	[mm]	1720	1880	—
B	[mm]	2000	2240	2240
C	[mm]	1910	2070	—
D	[mm]	1295	1375	1375
E	[mm]	640	800	800

Ground clearance optional, also 200 mm instead of 150 mm. The vertical dimensions then increase by 50 mm.

Ground clearance optional, also 100 mm instead of 150 mm. The vertical dimensions then decrease by 50 mm.

			UF-M	UF-L	UF-XL
Rack interior dimensions (W x D)		[mm]	612 x 672	612 x 672	1305 x 672
Packaging	Standard (W x D x H)	[mm]	830 x 937 x 1710	830 x 937 x 1870	1522 x 937 x 1870
	Energy (W x D x H)	[mm]	830 x 937 x 1895	830 x 937 x 2055	1522 x 937 x 2055
Weight	Standard (net / gross)	[kg]	190 / 220	200 / 230	305 / 355
	Energy (net / gross)	[kg]	225 / 255	235 / 265	350 / 400

General data

			UF-M, UF-L	UF-XL
Number of programmes			up to three (+ special programme)	
Tank capacity		[l]	69	138 l
Tank heating	Standard	[kW]	5	
	Performance	[kW]	2 x 5	
Circulating pump	Volume circulated (depending on programme)	[l/min]	410 - 500	820 - 1000
	Connected load (P1)	[kW]	2.5	2 x 2.5
Noise emission according to DIN EN ISO		[dB(A)]	< 70	
Splash guard			IP X5	
Water connection			G ¾"	
Waste water connection			DN 40/50	
Minimum flow pressure		[kPa / bar]	Standard: 100 / 1.0 Energy: 150 / 1.5	
Maximum inlet pressure		[kPa / bar]	600 / 6.0	
Flow rate ^①		[l/min]	min. 4	
Inlet water temperature ^①		[°C]	Standard: max. 60 Energy: max. 20	

			Standard Energy	HighTemp
Theor. performance ^② P1 / P2 / P3		[racks/h]	40 / 24 / 12	20 / 15 / 10
Short programme		[racks/h]	64 / 42 / 23	---
Rinse water consumption ^③	UF-M, UF-L	[l / rack]	4.7	5.5
	UF-XL	[l / rack]	7.0	9.0
Cold water pre-wash		[l / rack]	2.0	2.0
Tank temperature		[°C]	63	66
Rinse water temperature		[°C]	85	85

^① For the cold water pre-wash or tank filling with hot water (UF Energy) options, different values sometimes apply. For details, see connection diagram.

^② Depending on local conditions (inlet water temperature / electrical supply), the values stated here can be reduced.

^③ Under ideal conditions. Fine-tuning is done during commissioning.

Total connected loads

Standard: 1 boiler heating element (10.2 kW) + 1 tank heating element (5 kW)
 Performance : 2 boiler heating elements (10.2 + 6.2 kW) + 2 tank heating elements (2 x 5 kW)

A) UF-M, UF-L

For possible on-site fuse protection, see table. The actual fuse protection is set during the commissioning of the software.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
380 V, 3N~, 50 Hz / 60 Hz	16 A	8.7 kW	-
400 V, 3N~, 50 Hz / 60 Hz	16 / 20 / 25 A	9.4 / 10.0 / 16.3 kW	-
	16 / 20 / 25 / 32 A	9.4 / 10.0 / 16.3 / 17.5 kW	-
	25 / 32 A	16.3 / 17.5 kW	16.4 / 18.8 kW
415 V, 3N~, 50 Hz / 60 Hz	16 / 20 / 25 A	10.0 / 10.8 / 17.4 kW	-
	16 / 20 / 25 / 32 A	10.0 / 10.8 / 17.4 / 18.7 kW	-
	25 / 32 A	17.4 / 18.7 kW	17.7 / 20.3 kW
230 V, 3~, 50 Hz / 60 Hz	25 / 32 A	9.4 / 10.2 kW	-
200 V, 3~, 50 Hz / 60 Hz	25 / 32 A	7.6 / 9.0 kW	-
	32 A	-	10.3 kW

It is **not permitted** to change the fuse protection in the software of the following machine models.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
400 V, 3N~, 50 Hz / 60 Hz	40 A *	-	25.1 kW
415 V, 3N~, 50 Hz / 60 Hz	40 A *	-	25.5 kW
230 V, 3~, 50 Hz / 60 Hz	40 A *	-	15.2 kW
	50 A **	-	17.7 kW
200 V, 3~, 50 Hz / 60 Hz	40 A *	-	12.2 kW
	50 A **	-	15.9 kW

*) Fuse protection for this machine may only be 40 A.

***) Fuse protection for this machine may only be 50 A.

B) UF-M HighTemp, UF-L HighTemp

For possible on-site fuse protection, see table. The actual fuse protection is set during the commissioning of the software.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
400 V, 3N~, 50 Hz / 60 Hz	25 / 32 A	-	16.4 / 18.8 kW
415 V, 3N~, 50 Hz / 60 Hz	25 / 32 A	-	17.7 / 20.3 kW
200 V, 3~, 50 Hz / 60 Hz	32 A	-	10.3 kW

It is **not permitted** to change the fuse protection in the software of the following machine models.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
400 V, 3N~, 50 Hz / 60 Hz	40 A *	-	25.1 kW
415 V, 3N~, 50 Hz / 60 Hz	40 A *	-	25.5 kW
230 V, 3~, 50 Hz / 60 Hz	40 A *	-	15.2 kW
	50 A **	-	17.7 kW
200 V, 3~, 50 Hz / 60 Hz	40 A *	-	12.2 kW
	50 A **	-	15.9 kW

*) Fuse protection for this machine may only be 40 A.

***) Fuse protection for this machine may only be 50 A.

C) UF-XL

For possible on-site fuse protection, see table. The actual fuse protection is set during the commissioning of the software.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
380 V, 3N~, 50 Hz / 60 Hz	16 A	8.4 kW	-
400 V, 3N~, 50 Hz / 60 Hz	16 / 20 / 25 A	8.8 / 10.0 / 16.2 kW	-
	16 / 20 / 25 / 32 A	8.8 / 10.0 / 16.2 / 17.4 kW	-
	25 / 32 A	16.2 / 17.4 kW	16.4 / 18.8 kW
415 V, 3N~, 50 Hz / 60 Hz	16 / 20 / 25 A	9.5 / 10.8 / 17.1 kW	-
	16 / 20 / 25 / 32 A	9.5 / 10.8 / 17.1 / 18.4 kW	-
	25 / 32 A	17.1 / 18.4 kW	17.7 / 20.3 kW
230 V, 3~, 50 Hz / 60 Hz	25 / 32 A	8.7 / 9.9 kW	-
200 V, 3~, 50 Hz / 60 Hz	32 A	9.1 kW	10.3 kW

It is **not permitted** to change the fuse protection in the software of the following machine models.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
400 V, 3N~, 50 Hz / 60 Hz	40 A *	-	26.2 kW
415 V, 3N~, 50 Hz / 60 Hz	40 A *	21.1 kW	26.8 kW
230 V, 3~, 50 Hz / 60 Hz	40 A *	-	15.1 kW
	50 A **	-	17.6 kW
200 V, 3~, 50 Hz / 60 Hz	40 A *	-	12.9 kW
	50 A **	-	16.8 kW

*) Fuse protection for this machine may only be 40 A.

***) Fuse protection for this machine may only be 50 A.

D) UF-XL HighTemp

For possible on-site fuse protection, see table. The actual fuse protection is set during the commissioning of the software.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
400 V, 3N~, 50 Hz / 60 Hz	25 / 32 A	-	16.4 / 18.8 kW
415 V, 3N~, 50 Hz / 60 Hz	25 / 32 A	-	17.7 / 20.3 kW
200 V, 3~, 50 Hz / 60 Hz	32 A	-	10.3 kW

It is **not permitted** to change the fuse protection in the software of the following machine models.

Mains supply	Fuse protection	Total connected load	
		Standard	Performance
400 V, 3N~, 50 Hz / 60 Hz	40 A *	-	26.2 kW
415 V, 3N~, 50 Hz / 60 Hz	40 A *	-	26.8 kW
230 V, 3~, 50 Hz / 60 Hz	40 A *	-	15.1 kW
	50 A **	-	17.6 kW
200 V, 3~, 50 Hz / 60 Hz	40 A *	-	12.9 kW
	50 A **	-	16.8 kW

*) Fuse protection for this machine may only be 40 A.

***) Fuse protection for this machine may only be 50 A.