

Technisches Handbuch

DATA SHEETS



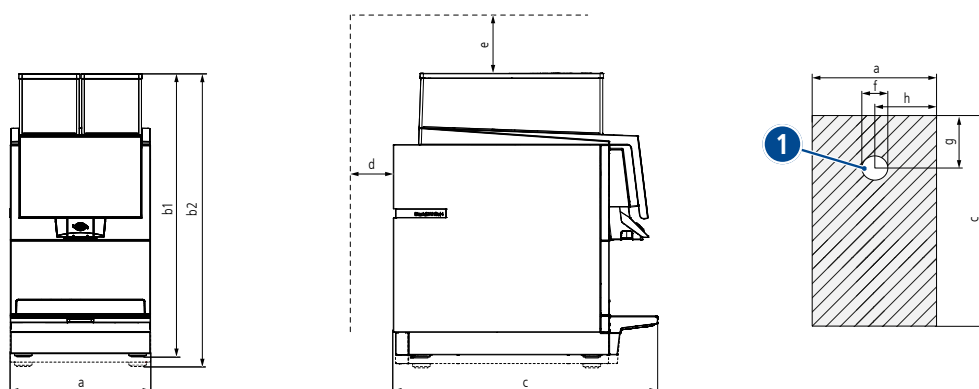
Table of Contents

1	Water hardness conversion table.....	3
2	BW4-CT (CE)	4
3	BW4-CTS (CE / USA/CA)	5
4	BW4-CTM (CE / USA/CA)	6
5	BW4-CTM-RL (CE / USA/CA)	7
6	BW4-CTM-P (CE / USA/CA)	8
7	BW4-CTM-P-RL (CE / USA/CA)	9
8	BW4-CTM-F (CE / USA/CA)	10
9	BW4-CTM-F-RL (CE / USA/CA)	11
10	BW4-CTM-P-F (CE / USA/CA)	12
11	BW4-CTM-P-F-RL (CE / USA/CA)	13
12	BW4-CTMplus-RL (CE / USA/CA)	14
13	BW4(c)-CH	15
14	BW4(c) – Payment housing	16
15	BW4(c) - Flavour module under table (FUT)	17

1 Water hardness conversion table

Conversion table water hardness					
Water hardness	German	French	English	ppm	mval/l
1° dH	1.0	1.78	1.24	17.8	0.356
1° fH	0.562	1.0	0.699	10.0	0.2
1° e	0.803	1.43	1.0	14.3	0.286
1 ppm	0.0562	0.1	0.0699	1.0	0.02
1 mval/l	2.81	5.0	3.5	50.0	1.0

2 BW4-CT (CE)

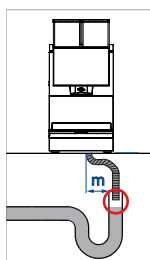


1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

a	320 mm / 12.59 in	c	600 mm / 23.62 in	e	350 mm / 13.77 in	g	150 mm / 5.9 in
b	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	f	70 mm / 2.75 in	h	160 mm / 6.29 in

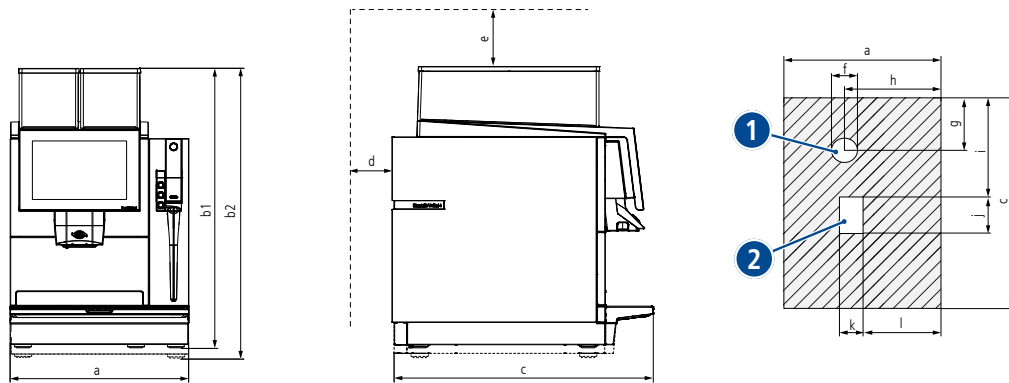
Drain

- **m**: Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz / 3100-3700 W / 16 A	Water connection	3/8"
		Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
		Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
		Water boiler pressure	11.7 bar / 169.6 psi
		Steam boiler pressure	2.6 bar / 37.7 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Chlorine	None
		TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
Weight	53 kg / 116.85 lbs	Alkalinity	<100 ppm
		Iron	<0.25 ppm

3 BW4-CTS (CE / USA/CA)



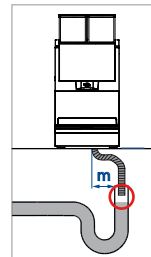
1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

2 Cut-out for grounds ejection.

a	412 mm / 16.22 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	252 mm / 9.92 in	k	63 mm / 2.48 in
						l	203 mm / 7.99 in

Drain

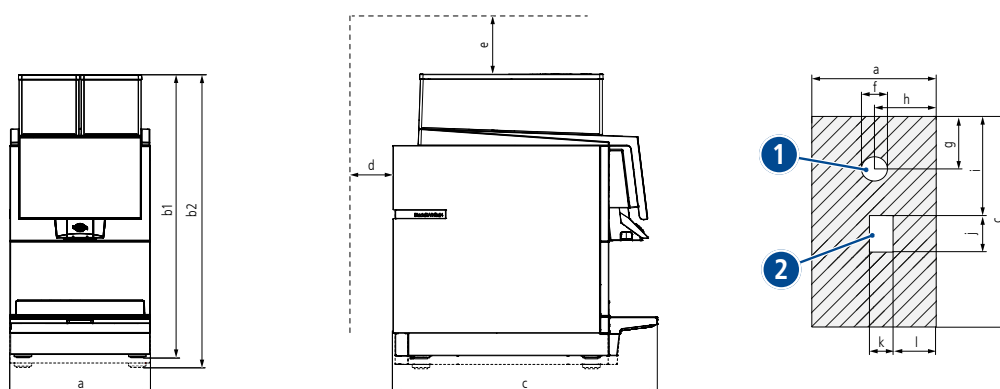
- **m**: Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase: 220-240 VAC / 50-60 Hz / 5800-6600 W / 32 A	Water connection	3/8"
	Machine with three phases: 380-415 VAC / 50-60 Hz / 5800-6600 W / 3 x16 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
		Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
Weight	67 kg / 147.71 lbs	TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm



4 BW4-CTM (CE / USA/CA)

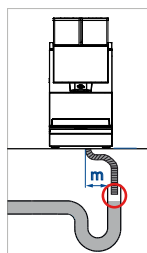


- 1 Cut-out for water/milk inlet and water drain. Also possible for power cord. 2 Cut-out for grounds ejection.

a	320 mm / 12.59 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	160 mm / 6.29 in	k	63 mm / 2.48 in
						l	111 mm / 4.37 in

Drain

- **m**: Distance machine to drain < 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.

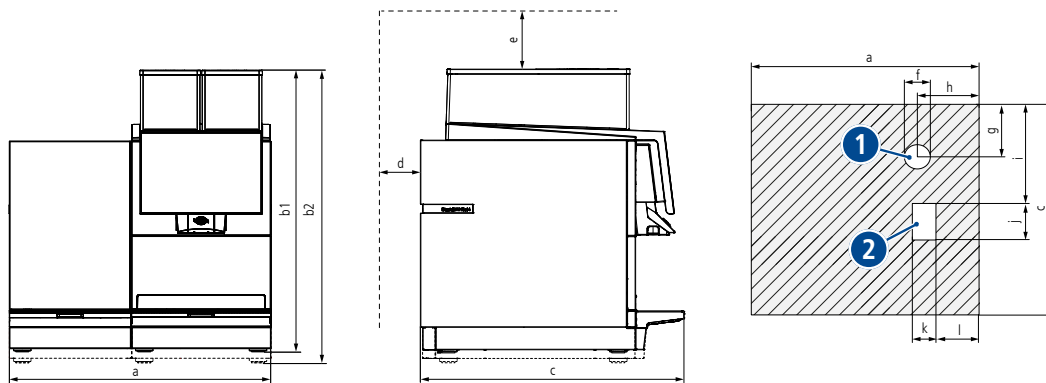


Refrigerator milk suction hose

- Length of refrigerator milk suction hose = 1200 mm / 47.24 in or 2200 mm / 86.6 in. Position the refrigerator close enough to the coffee machine.
- Height difference between the lower part of the refrigerator and the coffee machine < 1000 mm / 39.37.

Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
		TDS	70-200 ppm
Weight	58 kg / 127.86 lbs	Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

5 BW4-CTM-RL (CE / USA/CA)



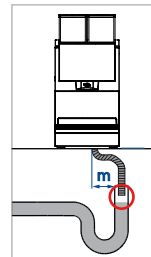
1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

2 Cut-out for grounds ejection.

a	600 mm / 23.62 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	160 mm / 6.29 in	k	63 mm / 2.48 in
						l	111 mm / 4.37 in

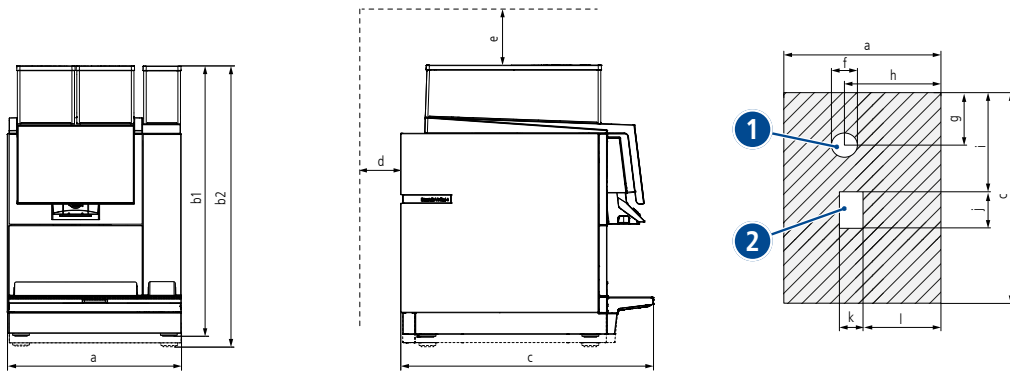
Drain

- **m:** Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
Weight	85 kg / 187.39 lbs	TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

6 BW4-CTM-P (CE / USA/CA)



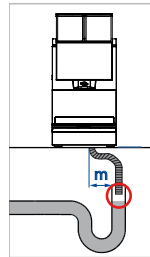
1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

2 Cut-out for grounds ejection.

a	412 mm / 16.22 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	252 mm / 9.92 in	k	63 mm / 2.48 in
						l	203 mm / 7.99 in

Drain

- **m**: Distance machine to drain < 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.

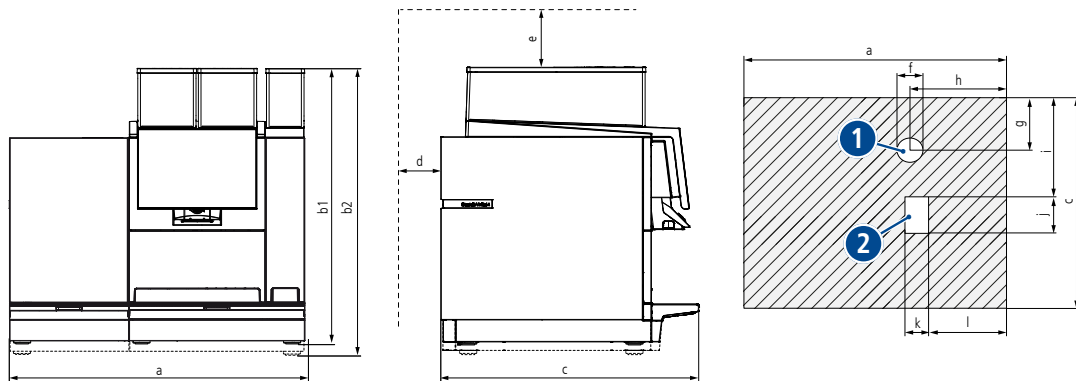


Refrigerator milk suction hose

- Length of refrigerator milk suction hose = 1200 mm / 47.24 in or 2200 mm / 86.6 in. Position the refrigerator close enough to the coffee machine.
- Height difference between the lower part of the refrigerator and the coffee machine < 1000 mm / 39.37.

Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
Weight	67 kg / 147.71 lbs	TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

7 BW4-CTM-P-RL (CE / USA/CA)



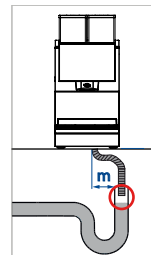
1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

2 Cut-out for grounds ejection.

a	692 mm / 27.24 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	UL: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	252 mm / 9.92 in	k	63 mm / 2.48 in
						l	203 mm / 7.99 in

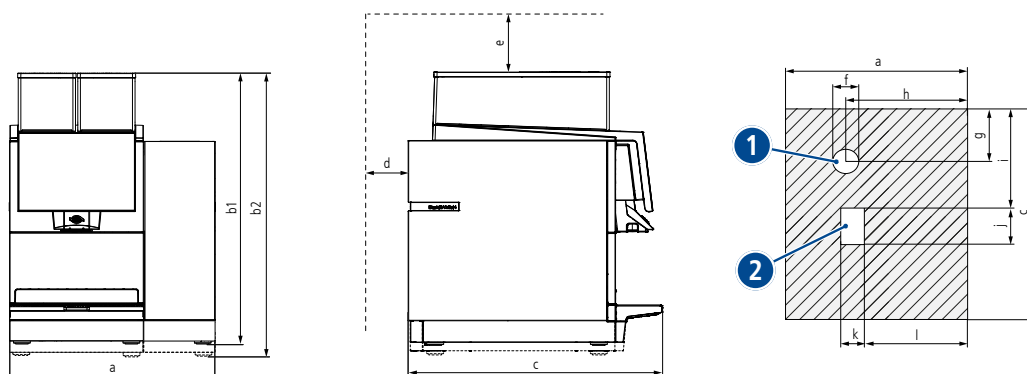
Drain

- **m:** Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
		TDS	70-200 ppm
Weight	90 kg / 198.41 lbs	Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

8 BW4-CTM-F (CE / USA/CA)

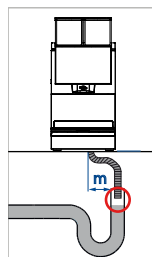


- 1 Cut-out for water/milk inlet and water drain. Also possible for power cord. 2 Cut-out for grounds ejection.

a	490 mm / 19.29 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	330 mm / 12.99 in	k	63 mm / 2.48 in
						l	281 mm / 11.06 in

Drain

- **m**: Distance machine to drain < 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.

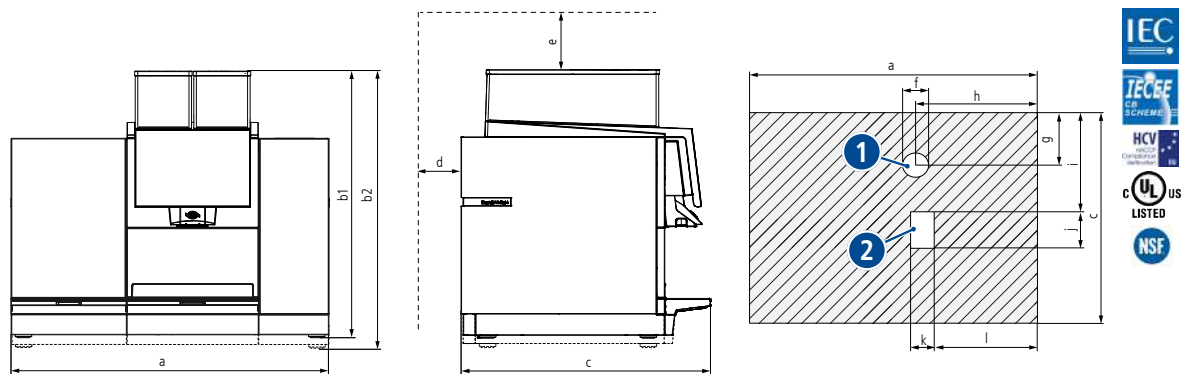


Refrigerator milk suction hose

- Length of refrigerator milk suction hose = 1200 mm / 47.24 in or 2200 mm / 86.6 in. Position the refrigerator close enough to the coffee machine.
- Height difference between the lower part of the refrigerator and the coffee machine < 1000 mm / 39.37.

Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
Weight	69 kg / 152.119 lbs	TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

9 BW4-CTM-F-RL (CE / USA/CA)



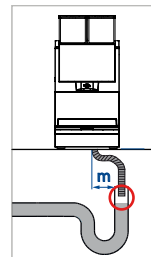
1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

2 Cut-out for grounds ejection.

a	770 mm / 30.31 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	330 mm / 12.99 in	k	63 mm / 2.48 in
						l	281 mm / 11.06 in

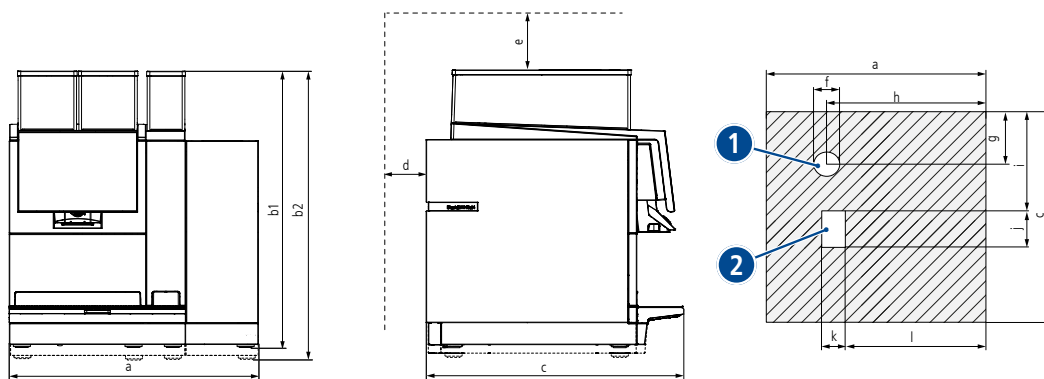
Drain

- **m**: Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
		TDS	70-200 ppm
Weight	92 kg / 202.82 lbs	Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

10 BW4-CTM-P-F (CE / USA/CA)

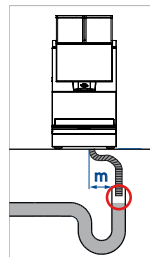


- 1 Cut-out for water/milk inlet and water drain. Also possible for power cord. 2 Cut-out for grounds ejection.

a	582 mm / 22.91 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	422 mm / 16.61 in	k	63 mm / 2.48 in
						l	373 mm / 14.68 in

Drain

- **m**: Distance machine to drain < 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.

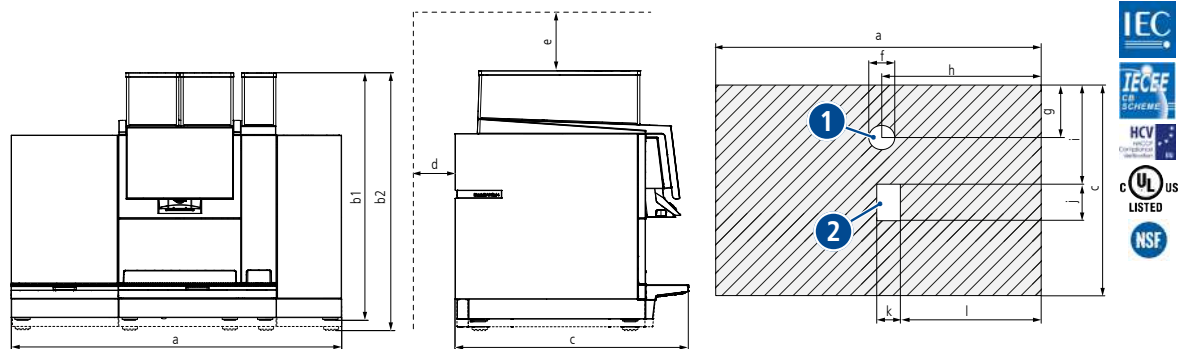


Refrigerator milk suction hose

- Length of refrigerator milk suction hose = 1200 mm / 47.24 in or 2200 mm / 86.6 in. Position the refrigerator close enough to the coffee machine.
- Height difference between the lower part of the refrigerator and the coffee machine < 1000 mm / 39.37.

Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
		TDS	70-200 ppm
Weight	84 kg / 185.18 lbs	Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

11 BW4-CTM-P-F-RL (CE / USA/CA)

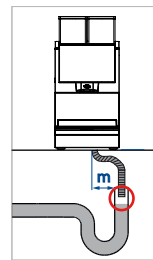


1 Cut-out for water/milk inlet and water drain. Also possible for power cord. 2 Cut-out for grounds ejection.

a	862 mm / 33.93 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 124 mm / 4.88 in)	e	350 mm / 13.77 in	h	422 mm / 16.61 in	k	63 mm / 2.48 in
						l	373 mm / 14.68 in

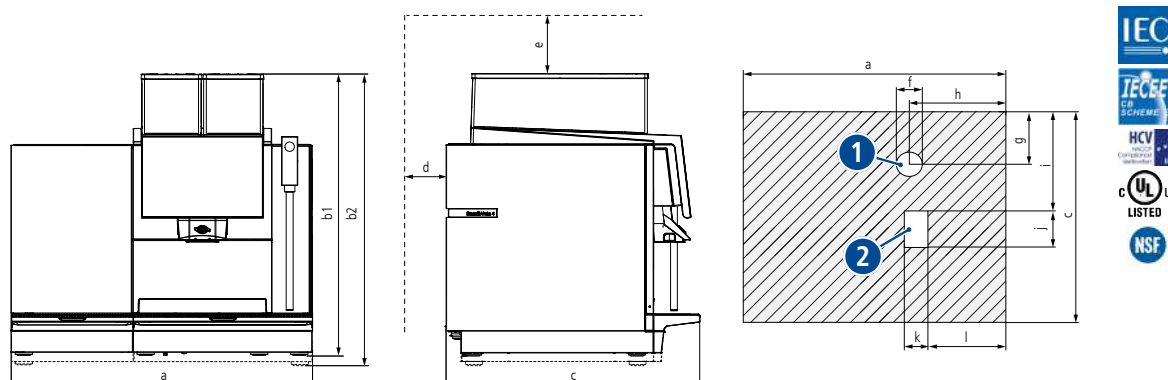
Drain

- **m**: Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A 220-240 VAC / 50-60 Hz 2700-3100 W / 13 A Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Water connection	3/8"
		Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
		Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
		Water boiler pressure	11.7 bar / 169.6 psi
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
Weight	100 kg / 220.46 lbs	Iron	<0.25 ppm

12 BW4-CTMplus-RL (CE / USA/CA)



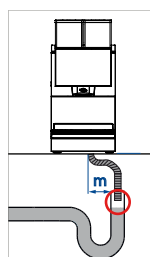
1 Cut-out for water/milk inlet and water drain. Also possible for power cord.

2 Cut-out for grounds ejection.

a	692 mm / 27.24 in	c	600 mm / 23.62 in	f	70 mm / 2.75 in	i	281 mm / 11.06 in
b1	CE: 646 mm / 25.43 in (feet: 57 mm / 2.24 in) or optional 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	d	50 mm / 1.96 in	g	150 mm / 5.9 in	j	106 mm / 4.17 in
b2	USA/CA: 676 mm / 26.61 in (feet: 87 mm / 3.42 in)	e	350 mm / 13.77 in	h	252 mm / 9.92 in	k	63 mm / 2.48 in
						l	203 mm / 7.99 in

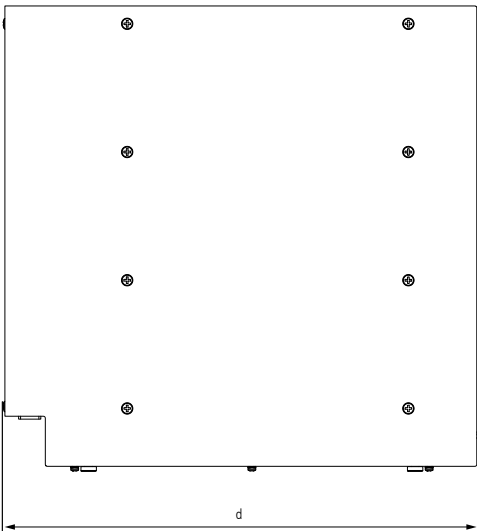
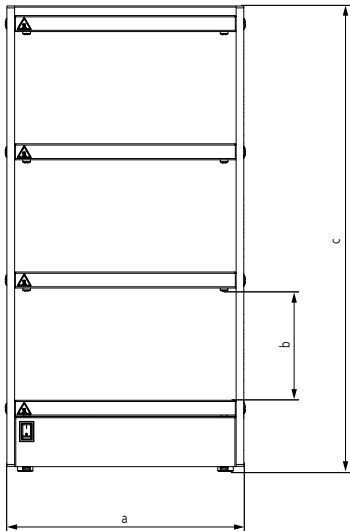
Drain

- **m**: Distance machine to drain
< 1000 mm / 39.37 in.
- Drain line (hose) not sagging.
- No back pressure in the water line.
- The end of the line not submerged in water.



Machine parameters		Water connection specifications	
Connection / Power CE	Machine with one phase (limited power): 220-240 VAC / 50-60 Hz 3100-3700 W / 16 A	Water connection	3/8"
	Machine with one phase: 220-240 VAC / 50-60 Hz 5800-6600 W / 32 A	Dynamic water pressure	0.2-0.4 MPa (2-4 bar) / 30-60 psi (required operating pressure)
	Machine with three phases: 380-415 VAC / 50-60 Hz 5800-6600 W / 3 x 16 A	Max. water inlet pressure	1 MPa (10 bar) / 145 psi (if the pressure exceeds 4 bar, a pressure reducer must be used)
Connection / Power USA/CA	208 VAC / 60 Hz 5700 W / 27 A	Water boiler pressure	11.7 bar / 169.6 psi
Outlet height	85-172 mm (manual) / 100-190 mm (autom.) 3.34-6.77 in (manual) / 3.93-7.48 in (autom.)	Steam boiler pressure	2.6 bar / 37.7 psi
		Chlorine	None
Weight	86 kg / 189.59 lbs	TDS	70-200 ppm
		Total hardness	5-8 °dH / 8-14 °fH
		pH	6.8-7.4
		Alkalinity	<100 ppm
		Iron	<0.25 ppm

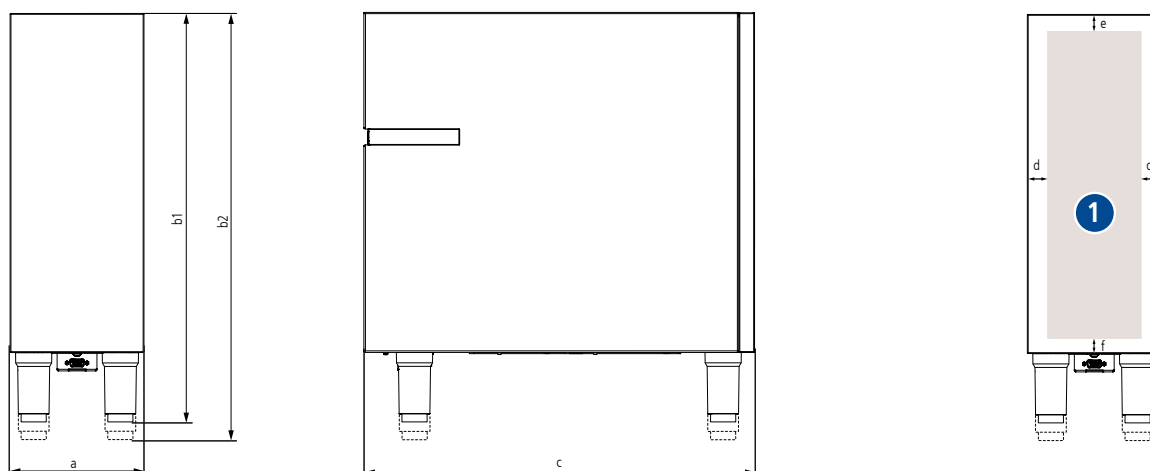
13 BW4(c)-CH



a	246 mm / 9.68 in	b	116 mm / 4.56 in	c	483 mm / 19.01 in	d	490 mm / 19.29 in
----------	------------------	----------	------------------	----------	-------------------	----------	-------------------

Machine parameters	
Capacity	Stores 100 to 150 cups
Connection / power CE	220–240 VAC / 50/60 Hz / 100-120 W
Connection / power USA/CA	208 VAC / 60 Hz / 85 W
Weight	13 kg / 28.66 lbs

14 BW4(c) – Payment housing

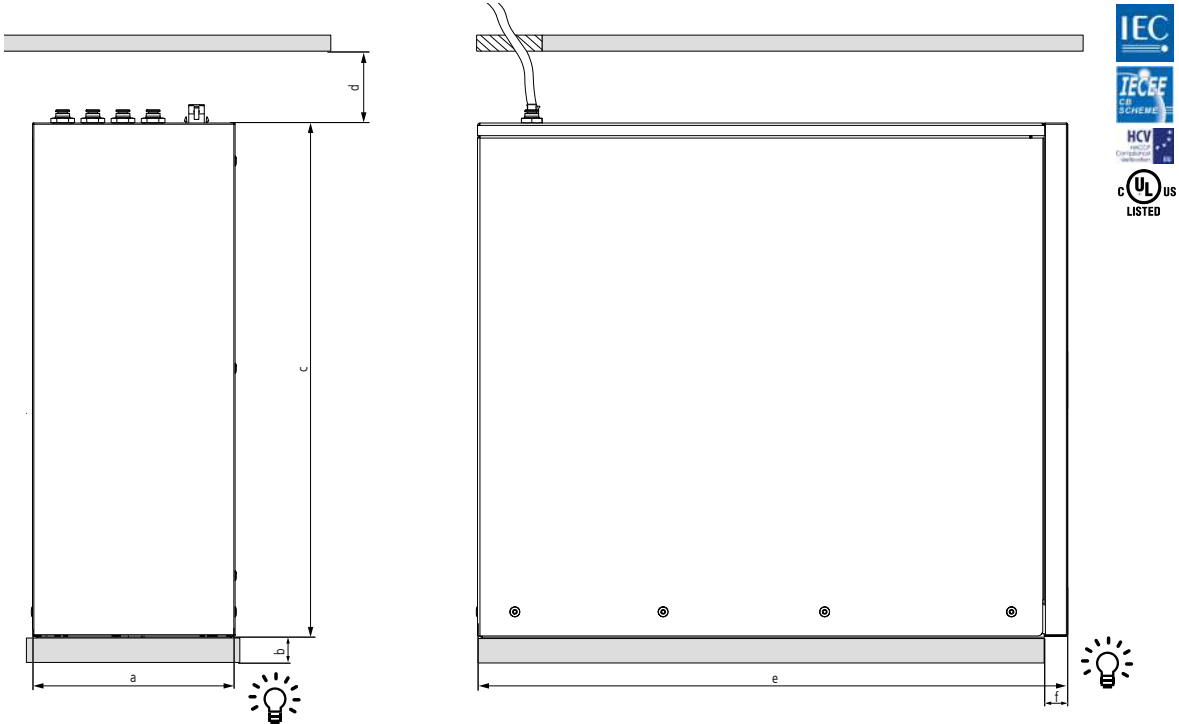


a	168 mm / 6.61 in	b2	USA/CA: 528 mm / 20.78 in (feet: 87 mm / 3.42 in)	d	28 mm / 1.1 in	f	16 mm / 0.62 in
b1	CE: 498 mm / 19.6 in (feet: 57 mm / 2.24 in) or optional 528 mm / 20.78 in (feet: 87 mm / 3.42 in)	c	490 mm / 19.29 in	e	22 mm / 0.86 in		

Specifications

Connection	D-sub cable (included) to connect to the coffee machine. Power connection is not required.
Weight	3.8 kg / 8.4 lbs
Cut-outs for payment modules	- Nayax VPOS - Nayax Onyx - Front without cut-out - Others on request (see possible positioning area on graphic (1) above). - The following data is required for an individual cut-out: - Data sheet of the desired cut-out - CAD data of the corresponding payment module
Compatible interfaces / converters	- MDB - Others on request Optional payment connection must be integrated in the coffee machine. Otherwise, it is possible to retrofit it.

15 BW4(c) - Flavour module under table (FUT)



 Select the base dimensions so that access to the drawer release is guaranteed.
The housing must be attached to the counter/base using the screws supplied, as the module may tilt when the drawer is pulled out. Detailed instructions are included.

a	168 mm / 6.61 in	b	Hight base: >60 mm / 2.36 in	c	237 mm / 9.33 in
d	Distance counter: >140 mm / 5.51 in	e	491 mm / 19.33237 in	f	25 mm / 0.98 in

Specifications	
Connection	24 V (flavour module must be connected to the coffee machine using the cable supplied)
Weight	15 kg / 33 lbs
Number of bottles	4 x max. 1l / 33.8 oz



Thermoplan AG
Thermoplan-Platz 1
6353 Weggis, Switzerland
Tel. +41 41 392 12 00
thermoplan@thermoplan.ch
www.thermoplan.ch