

Table A1: The water efficiency calculator

Installation type	Unit of measure	(1) Capacity/ flow rate	(2) Use factor	(3) Fixed use (litres/ person/ day)	(4) Litres/ person/day = [(1) × (2)] + (3)
WC (single flush)	Flush volume (litres)		4.42	0.00	
WC (dual flush)	Full flush volume (litres)	4.5	1.46	0.00	6.57
	Part flush volume (litres)	3.0	2.96	0.00	8.88
WCs (multiple fittings)	Average effective flushing volume (litres)		4.42	0.00	
Taps (excluding kitchen/utility room taps)	Flow rate (litres/minute)	5.5	1.58	1.58	9.27
Bath (where shower also present)	Capacity to overflow (litres)		0.11	0.00	
Shower (where bath also present)	Flow rate (litres/minute)		4.37	0.00	
Bath only	Capacity to overflow (litres)		0.50	0.00	
Shower only	Flow rate (litres/minute)	8	5.60	0.00	44.8
Kitchen/utility room sink taps	Flow rate (litres/minute)	5.5	0.44	10.36	12.78
Washing machine	Litres/kg dry load	9.5	2.1	0.00	19.95
Dishwasher	Litres/place setting		3.6	0.00	
Waste disposal unit	Litres/use	If present = 1 If absent = 0	3.08	0.00	
Water softener	Litres/person/day		1.00	0.00	
	(5)	Total calculated use = (Sum column 4)			102.25
	(6)	Contribution from greywater (litres/person/day) from Table 4.6			
	(7)	Contribution from rainwater (litres/person/day) from Table 5.5			
	(8)	Normalisation factor			0.91
	(9)	Total water consumption = [(5) – (6) – (7)] × (8)			93.05
	(10)	External water use			5.0
	(11)	Total water consumption = (9) + (10) (litres/person/day)			98.05

Consumption from multiple fittings

A8 Where terminal fittings with varying flow rates and capacities are specified (e.g. hot and cold taps with different flow rates, two types of shower etc.), the average consumption should be calculated as set out in Tables A2.1 to A2.7:

- Enter the full flow rate or volume of each type of fitting into column (a) of the relevant table.
- For taps, where there are separate hot and cold water taps, the flow rate of each tap should be entered separately as two tap types to calculate the average flow rate.
- Calculate the total consumption per fitting type.
- Calculate the average flow rate/volume of the fittings detailed.

- Enter the flow rate/volume of the fitting with the highest flow rate/volume into box (f) with the exception of WCs, where this step is not relevant.

- Calculate the proportionate flow rate/volume by multiplying the highest flow rate/volume by a factor of 0.7 with the exception of WCs, where this step is not relevant.

A9 Where the average flow rate/volume is lower than the proportionate flow rate/volume, the proportionate figure must be entered into Table A1. The proportionate figure limits the flow rate/volume that can be specified to a proportion equal to 70 per cent of the highest flow rate/volume. This reduces the benefit of specifying ultra low fittings to bring the average flow rate/volume down, where such ultra low fittings may not be acceptable to dwellings occupants.

Concept Space Cube Short Projection Close Coupled Toilet

ILLUSTRATED

- E1205** Concept Space short projection close coupled toilet bowl with horizontal outlet
- E7969** Concept Cube close coupled 6/4 litre cistern, dual flush push button valve, bottom supply and internal overflow
- E1292** Concept Space toilet seat and cover

OPTIONS

- E7859** Concept Cube close coupled 6/4 litre cistern, dual flush push button valve, bottom supply and internal overflow
- E1293** Concept Space toilet seat and cover, slow close
- S4300** Panekta outlet connector to convert horizontal outlet wcs to S or turned P trap
- S4305** Panekta outlet connector to convert horizontal outlet wcs to P trap

ILLUSTRATED PRODUCT DETAILS

Weights

- E1205** 23.40 KG
- E7969** 11.90 KG
- E1292** 2.67 KG

Materials

- E1205** Vitreous China
- E7969** Vitreous China
- E1292** Plastic

Finishes

- E1205** ☐ White (01)
- E7969** ☐ White (01)
- E1292** ☐ White (01)

Capacity

- E7969** 4.0 litres

Designer

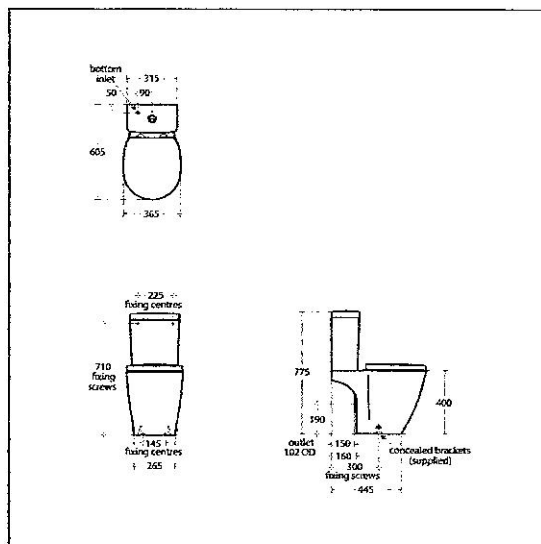
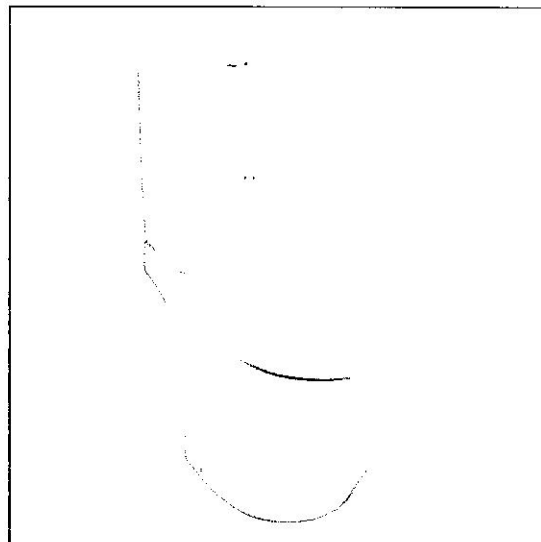
Robin Levien, RDI

Standards

WC bowl to BS EN 997 & BS EN 33

Special Notes

WC screwed to floor using concealed bracket (supplied) and cistern screwed to wall



ACCREDITATIONS

E7969(01)

Unified Water Label

3.0

Average Flushing Volume (Litres)

E7859(01)

Unified Water Label

4.5

Average Flushing Volume (Litres)

FEATURES



304.423.89



Technical information

GLYPEN

Mixer tap

Type of mixer tap

*Same for
Bathroom Tap*

Kitchen mixer
tap

**Applicable product
standards**

EN 817

lower your bills too. The



**Max. flow rate at 3
bar**

5.5 l/min (1.5
gpm)

**Max. static
pressure**

10 bar (145.0
psi)

**Tested up to a max.
static pressure**

16 bar (232.0
psi)

lower your bills too. The



**Recommended
working pressure**

1-5 bar (14.5-
72.5 psi)

**Max. hot water
temperature**

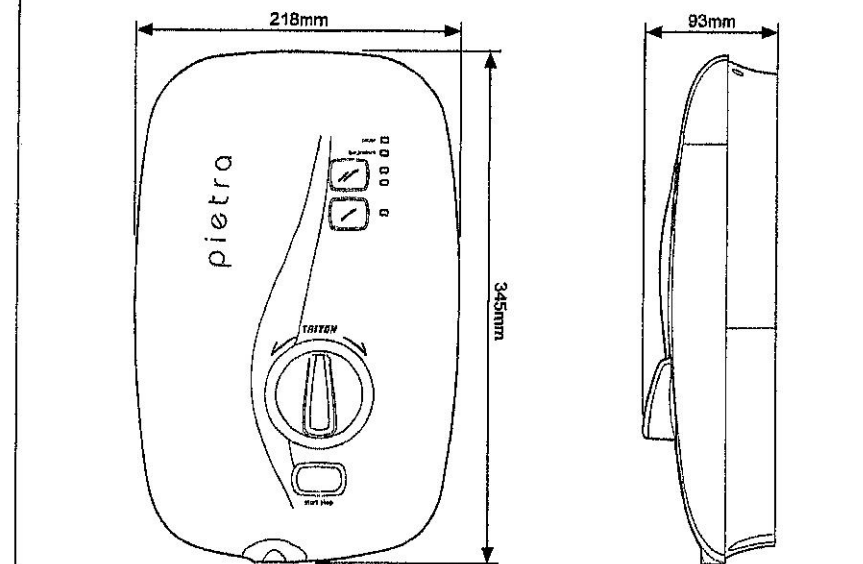
80°C (176°F)

**Recommended hot
water temperature**

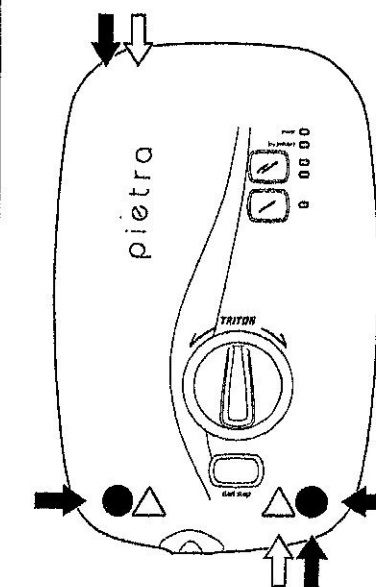
60-65°C (140-
150°F)

ELECTRICAL	
Nominal power - rating at 240V	Nominal power - rating at 230V
8.5kW – (40A MCB rating)	7.8kW – (40A MCB rating)
9.5kW – (40A MCB rating)	8.7kW – (40A MCB rating)
PLUMBING (see page 6 & 7 for water regulations)	
Supply Source	Mains pressure cold water only
Minimum running pressure and flow to the inlet of the shower for full performance	100kPa (1 bar) at 8 litres per minute
Maximum static pressure	1000 kPa (10 bar)
Maximum inlet temperature	28°C
Minimum inlet temperature	2°C
Inlet connection	15mm diameter
Outlet connection	½" BSP male thread
MATERIALS	
ABS	Backplate, cover, controls, showerhead
Acetal	Sprayplate
Minerally insulated corrosion resistant metal sheathing	Elements
STANDARDS and APPROVALS	
Splashproof rating	IPX4
Safety	Complies with the requirements of current British and European safety standards for household and similar electrical appliances
BEAB	Complies with requirements of the British Electrotechnical Approvals Board (BEAB)
CE	Meets with Compliance with European Community Directives (CE)

Fig.1



ENTRY POINTS



WATER ● = Back ➔ = Others

Left: Top, Bottom Side & Back.

Right: Bottom, Bottom Side & Back.

CABLE ▲ = Back ➔ = Others

Left: Top, Bottom back.

Right: Bottom back, Bottom.

PLEASE NOTE: Deviation from the approved entry points will invalidate product specifications and warranty.

Fig.2

Bosch washing machine 'unrivalled' for efficiency

A+++ washing machine will be tested in Which? lab

By [Which? Team](#)

23 Mar 2011

Bosch claims its Exxcel 7 VarioPerfect washing machine offers 'unrivalled' water and energy efficiency, with an A+++ energy rating and a system that adjusts water use to suit each load.

But on top of saving water and energy, the 'super quick cycle' – which Bosch claims can wash 10 men's shirts in 15 minutes – may also save you time.

Read our full and independent [reviews of the best built-in and freestanding Bosch washing machines](#).



Bosch washing machine wash times

Which? washing machine expert Katie Hill said: 'Energy efficiency is an increasingly common claim attached to lots of new washing machines – but greater efficiency often leads to longer wash times.'

The Bosch Exxcel 7 VarioPerfect – 'unrivalled water and energy efficiency'

'Having a "super quick" option is a nice feature, but it'll be interesting to see how long the WAQ28460GB takes with a full load of clothes that have been worn more than once. Standard wash times for the Bosch models we've seen tend to be around two and a half hours, which isn't particularly quick.'

For a more general overview of Bosch washing machines – including what they tend to be best for – have a look at the Bosch page in our guide.

Energy ratings for Bosch washing machines

The Bosch WAQ28460GB's A+++ energy rating is part of a new set of classifications from the EU. Where old EU energy labels rate washing machines from A-G, the new system rates them from A+++–D, so this VarioPerfect from Bosch is at the most efficient end of the EU's scale.

The new labels were introduced in December 2010, but they won't become mandatory until the end of 2011. The introduction of 'beyond A' ratings has led some manufacturers to use unofficial ratings such as 'A+++++' or 'A-50%', suggesting their machines are 50% more energy efficient than standard A-rated machines.

If you're not sure about what to look for on energy labels or how best to use the information they provide, have a look at our online guide, energy labels explained.

Water consumption for Bosch washing machines

The average washing machine uses 9.5 litres of water for every kg of cotton clothes it washes, but we've found models that use anywhere between around six and 12 litres per kg in our tests.

Bosch claims that the ActiveWater technology used in its WAQ28460GB puts water consumption at 42 litres. For a machine with a 7kg capacity, this means consumption is 6 litres per kg if the drum were packed full – which would make it far better than the average.