

**Building Regulations (Amendment)
2010
Part L Compliance**



Heating *at work.*

DIRECT FIRED WATER HEATERS	DORCHESTER DR-SA FULLY AUTOMATIC SINGLE TUBE
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Part L REQUIREMENT	THERMAL EFFICIENCY (Gross) %	
	New Buildings	Existing Buildings
	The minimum thermal efficiencies for domestic hot water systems (gross calorific value)	The minimum thermal efficiencies for domestic hot water systems (gross calorific value)
Minimum Thermal Efficiency Natural Gas	73	73
Minimum Thermal Efficiency LPG Propane	74	74

The above figures have been extracted from sections 8.4 of the Non-Domestic Heating, Cooling and Ventilation Compliance Guide (N-DHCVCG) to Approved Documents L2A and L2B.

WATER HEATER MODEL	THERMAL EFFICIENCIES (Gross) %	
	Natural Gas	LPG Propane
DR-SA 16	76.54	76.54
DR-SA19	76.54	76.54

The DR-SA 16 and DR-SA 19 models can both be used in existing and new buildings as they meet the minimum thermal efficiency requirements.

However, all systems for both new and existing buildings should be installed with the minimum controls package detailed in the N-DHCVCG. See overleaf for basic information on control packages.

Signed

Bob Walsh

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Seasonal Efficiency**



NEW & EXISTING BUILDINGS : Recommended minimum controls package for domestic hot water systems.	
Type of DHW system	Controls package
Gas and oil-fired direct-fired systems	a. Automatic thermostat control to shut off the burner/primary heat supply when the desired temperature of the hot water has been reached. b. time control
Gas and oil-fired indirect systems	a. Automatic thermostat control to shut off the burner/primary heat supply when the desired temperature of the hot water has been reached b. high limit thermostat to shut off primary flow if system temperature is too high c. time control

NEW & EXISTING BUILDINGS : Heating Efficiency Credits (HECs) for measures applicable to domestic hot water systems		
System type	Measure	Heating Efficiency Credits %
All system types	De-centralisation	2, but not applicable to systems in new buildings
Direct-fired	Integral combustion circuit shut-off device	1
	Fully automatic ignition controls	0.5
All system types	Correct size of unit confirmed using manufacturers technical help line and sizing software	2

The above tables are extracted from the Non-Domestic Heating, Cooling and Ventilation Compliance Guide for initial information only. The full text of the appropriate section should be read to ensure these tables are used correctly, particularly the Heating Efficiency Credits table which contains Comments/Definitions on each item. The Guide can be downloaded from www.planningportal.gov.uk/uploads/br/non-domestic_building_compliance_guide_2010.pdf