



19 July 2007

**Notice of increased levels Minimum Energy Performance Standards
for Air Conditioners - 1 October 2007**

Dear Stakeholder

I am writing to you in your capacity as an importer or manufacturer of air conditioning equipment to remind you of new Minimum Energy Performance Standards (MEPS) levels for air conditioners to come into effect on not earlier than 1 October 2007.

The MEPS requirements apply to all ducted and non-ducted single phase and three phase air conditioners with cooling capacity up to 65kW manufactured in or imported into Australia. The Australian/ New Zealand Standard AS/NZS3823.2-2005 contains the full requirements which will be called into law from that date.

A synopsis of the current MEPS levels and those coming into effect on 1 October 2007 is set for your information in **Attachment A** (for air cooled air conditioners) and in **Attachment B** (for water cooled air conditioners). More information is contained in publications on the programme's website such as: <http://www.energyrating.gov.au/pac1.html>.

I trust this information is helpful as a reminder of the increasing stringency of regulatory requirements for air conditioners. Should you have any questions or comments, please contact Eva Oberender from the Australian Greenhouse Office on telephone 02 6274 1674, or by email at eva.oberender@environment.gov.au.

Yours sincerely,

Shane Holt
Chair, Equipment Energy Efficiency Committee

Attachment A

Minimum Energy Efficiency Ratio (EER) for air cooled condenser air conditioners:

Configuration	Cooling only or reverse cycle	Phase	Rated cooling capacity (kW)	Min EER 1 Oct 2001	Min EER 1 Oct 2004	Min EER 1 Apr 2006	Min EER 1 Oct 2007
Non ducted unitary (window/wall)	C/O	1	< 7.5	n/a	2.45	2.75 ^b	2.75
	C/O	1	7.5 to <10	n/a	2.45	2.45	2.75
	C/O	1	10.0 to 18.9 ^a	n/a	2.45	2.45	2.75
	R/C	1	< 7.5	n/a	2.30	2.75 ^b	2.75
	R/C	1	7.5 to < 10	n/a	2.30	2.30	2.75
	R/C	1	10.0 to 18.9 ^a	n/a	2.30	2.30	2.75
	Both	3	< 10	2.25	2.25	2.25	2.75
	Both	3	10 to 12.5	2.30	2.30	2.30	2.75
	Both	3	12.6 to 15.5	2.35	2.35	2.35	2.75
	Both	3	15.6 to 18	2.40	2.40	2.40	2.75
	Both	3	18.1 to 18.9 ^c	2.45	2.45	2.45	2.75
Non ducted split	C/O	1	< 4	n/a	2.45	3.05 ^b	3.05
	C/O	1	4 to < 7.5	n/a	2.45	2.75 ^b	2.75
	C/O	1	7.5 to < 10	n/a	2.45	2.45	2.75
	C/O	1	10.0 to 18.9 ^a	n/a	2.45	2.45	2.75
	R/C	1	< 4	n/a	2.30	3.05 ^b	3.05
	R/C	1	4 to < 7.5	n/a	2.30	2.75 ^b	2.75
	R/C	1	7.5 to < 10	n/a	2.30	2.30	2.75
	R/C	1	10.0 to 18.9 ^a	n/a	2.30	2.30	2.75
	Both	3	< 4	2.25	2.25	2.25	3.05
	Both	3	4 to < 7.5	2.25	2.25	2.25	2.75
	Both	3	7.5 to < 10	2.25	2.25	2.25	2.75
	Both	3	10 - 12.5	2.30	2.30	2.30	2.75
	Both	3	12.6 - 15.5	2.35	2.35	2.35	2.75
	Both	3	15.6 - 18	2.40	2.40	2.40	2.75
	Both	3	18.1 - 18.9	2.45	2.45	2.45	2.75
	Both	3	19 - 25	2.45	2.45	2.45	3.05
	Both	3	25.1 - 30	2.50	2.50	2.50	3.05

Configuration	Cooling only or reverse cycle	Phase	Rated cooling capacity (kW)	Min EER 1 Oct 2001	Min EER 1 Oct 2004	Min EER 1 Apr 2006	Min EER 1 Oct 2007
	Both	3	30.1 - 37.5	2.55	2.55	2.55	3.05
	Both	3	37.6 - 39	2.60	2.60	2.60	3.05
	Both	3	39.1 - 45.5	2.60	2.60	2.60	2.75
	Both	3	45.6 - 65	2.65	2.65	2.65	2.75
Ducted (split & unitary)	C/O	1	0 to < 10	n/a	2.45	2.45	2.50
	C/O	1	10 - 18.9 ^a	n/a	2.45	2.45	2.50
	R/C	1	0 to < 10	n/a	2.30	2.30	2.50
	R/C	1	10 - 18.9 ^a	n/a	2.30	2.30	2.50
	Both	3	0 to < 10	2.25	2.25	2.25	2.50
	Both	3	10 - 12.5	2.30	2.30	2.30	2.75
	Both	3	12.6 - 15.5	2.35	2.35	2.35	2.75
	Both	3	15.6 - 18	2.40	2.40	2.40	2.75
	Both	3	18.1 - 18.9	2.45	2.45	2.45	2.75
	Both	3	19 - 25	2.45	2.45	2.45	3.05
	Both	3	25.1 - 30	2.50	2.50	2.50	3.05
	Both	3	30.1 - 37.5	2.55	2.55	2.55	3.05
	Both	3	37.6 - 39	2.60	2.60	2.60	3.05
	Both	3	39.1 - 45.5	2.60	2.60	2.60	2.75
	Both	3	45.6 - 65	2.65	2.65	2.65	2.75

NOTES:

a Note deleted (Amendment 3)

b Increased MEPS levels for 1 April 2006 apply to any product marketed for household use. Products which are purely commercial are subjected to the 2006 MEPS levels indicated apply from 1 October 2007. MEPS for 2007 apply to all product types irrespective of use.

c For three phase non-ducted unitary products > 18.9kW, MEPS are the same as for non-ducted-split systems.

1. AS/NZS 3823.2 defines terms and applicable dates used in this table.

2. Not applicable is indicated by n/a - no coverage of this product type from the date specified.

Attachment B

Minimum Energy Efficiency Ratio (EER) for water cooled condenser air conditioners:

Supply (No. of phases)	Cooling capacity/Type	1 Oct 2001 (see Note 2)	1 Oct 2004	1 Oct 2007
1	All capacities-Cooling only (ducted and non-ducted)	N/A	2.45	3.50
	All capacities-Reverse cycle (ducted and non-ducted)	N/A	2.30	3.50
3	< 10 kW	2.25	2.25	3.50
	10-12.5 kW	2.30	2.30	3.50
	12.6-15.5 kW	2.35	2.35	3.50
	15.6-18.0 kW	2.40	2.40	3.50
	18.1-18.9 kW	2.45	2.45	3.50
	19.0-25.0 kW	2.45	2.45	3.50
	25.1-30.0 kW	2.50	2.50	3.50
	30.1-37.5 kW	2.55	2.55	3.50
	37.6-39.0 kW	2.60	2.60	3.50
	39.0-45.5 kW	2.60	2.60	3.20
45.6-65.0 kW	2.65	2.65	3.20	

NOTES:
1. This table includes requirements for air conditioners with water cooled condensers and water sourced heat pumps.
2. In New Zealand, MEPS became mandatory on 1 July 2002.