

PAKISTAN STANDARD

**AIR-COOLED AIR CONDITIONERS AND AIR-TO-AIR HEAT PUMPS —
TESTING AND CALCULATING METHODS FOR SEASONAL PERFORMANCE
FACTORS —**

PART: 1 COOLING SEASONAL PERFORMANCE FACTOR



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Air-cooled air conditioners and air-to-air heat pumps — Testing and calculating methods for seasonal performance factors —

Part 1: Cooling seasonal performance factor

AMENDMENT 1

Page 1, 1.2

Add “ and T3” after the words “the rating conditions are those specified under T1”.

Page 3, 3.13

Add “ or T3” after the words “cooling capacity at T1”.

Page 3, 3.14

Add “ or T3” after the words “electric power input at T1”.

Page 3, 3.15

Add “ or T3” after the words “capacity which is 50 % of cooling full capacity at T1”.

Page 3, 3.16

Add “ or T3” after the words “electric power input when operated at 50 % of cooling full capacity at T1”.

Page 3, 3.17

Add “ or T3” after the words “capacity at T1”.

Page 3, 3.18

Add “ or T3” electric power input at T1”.

Page 3, after 3.22

Add 3.23 and 3.24

3.23**T1 climate**

standardized range of climate conditions for a moderate climate

3.24**T3 climate**

standardized range of climate conditions for a hot climate

Page 3, Clause 4 Symbols

Add the following row after C_{CSE} row

C_D degradation coefficient

Add the following row after $P_{ful}(t_j)$ row

$P_{ful}(46)$ cooling full power input at T3 temperature condition W

Add the following row after $P_{haf}(t_j)$ row

$P_{haf}(46)$ cooling half power input at T3 temperature condition W

Add the following row after $P_{min}(t_j)$ row

$P_{min}(46)$ cooling minimum power input at T1 temperature condition W

Add the following row after $\phi_{ful}(t_j)$ row

$\phi_{ful}(46)$ cooling full capacity at T3 temperature condition W

Add the following row after $\phi_{haf}(t_j)$ row

$\phi_{haf}(46)$ cooling half capacity at T3 temperature condition W

Add the following row after $\phi_{min}(t_j)$ row

$\phi_{min}(46)$ cooling minimum capacity at T3 temperature condition W

Page 5, 5.2 Test conditions

Add

“for units rated for T1 climate and Table F.1 in Annex F for units rated for T3 climate”

after

“for calculation shall be as specified in Table 1”

Page 6, 5.3.2 Low temperature cooling capacity tests

Add

“for T1 climate or Table F.1 for T3 climate”

after

“default values as given in Table 1”

Page 7, 5.3.3 Low humidity cooling test and cyclic cooling test

Add

“for T1 climate or Table F.1 for T3 climate”

after

“default values as given in Table 1”