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Our ref : ISTRS/0716

CERT. NO. MP490076

CERTIFICATE OF TESTING

CLIENT : WASSERCARE CO.,LTD.
SPECIMEN : PLASTIC COOLING PAD (FKP-158)
SUBJECT : PERFORMANCE OF PLASTIC COOLING PAD (FKP-158)
PLACE OF TESTING : TiTEC , KMUTT
DATE OF TESTING : MAY 1-13 , 2006

WE REPORT AS FOLLOW :

1. PERFORMANCE OF PLASTIC COOLING PAD (FKP-158)
-

INSPECTED BY

N. Buranajant.

(MR.NITHI BURANAJANT)

CERTIFIED BY

Anun Rungporntavewat

(MR.ANUN RUNGPORNTAVEWAT)

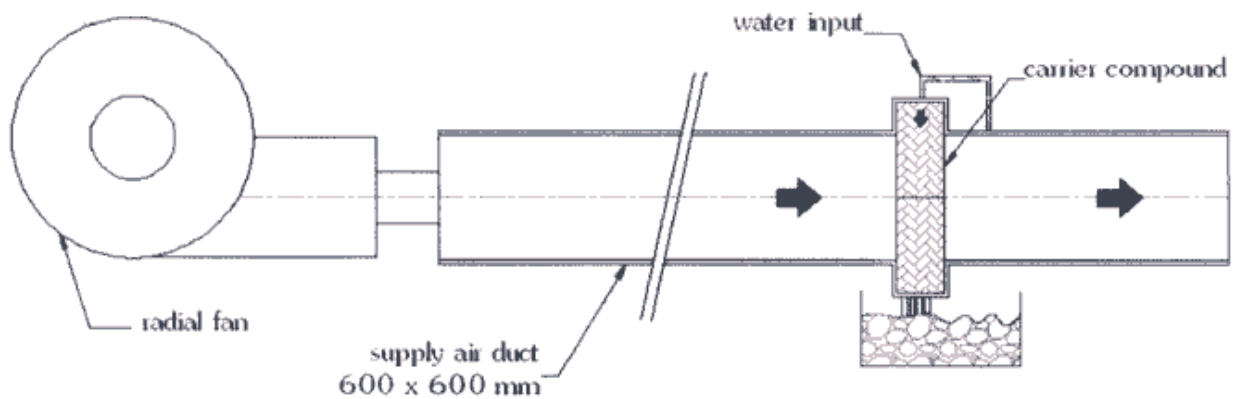
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/Test Report

Page 1 of 6

RESULTS OF TESTING

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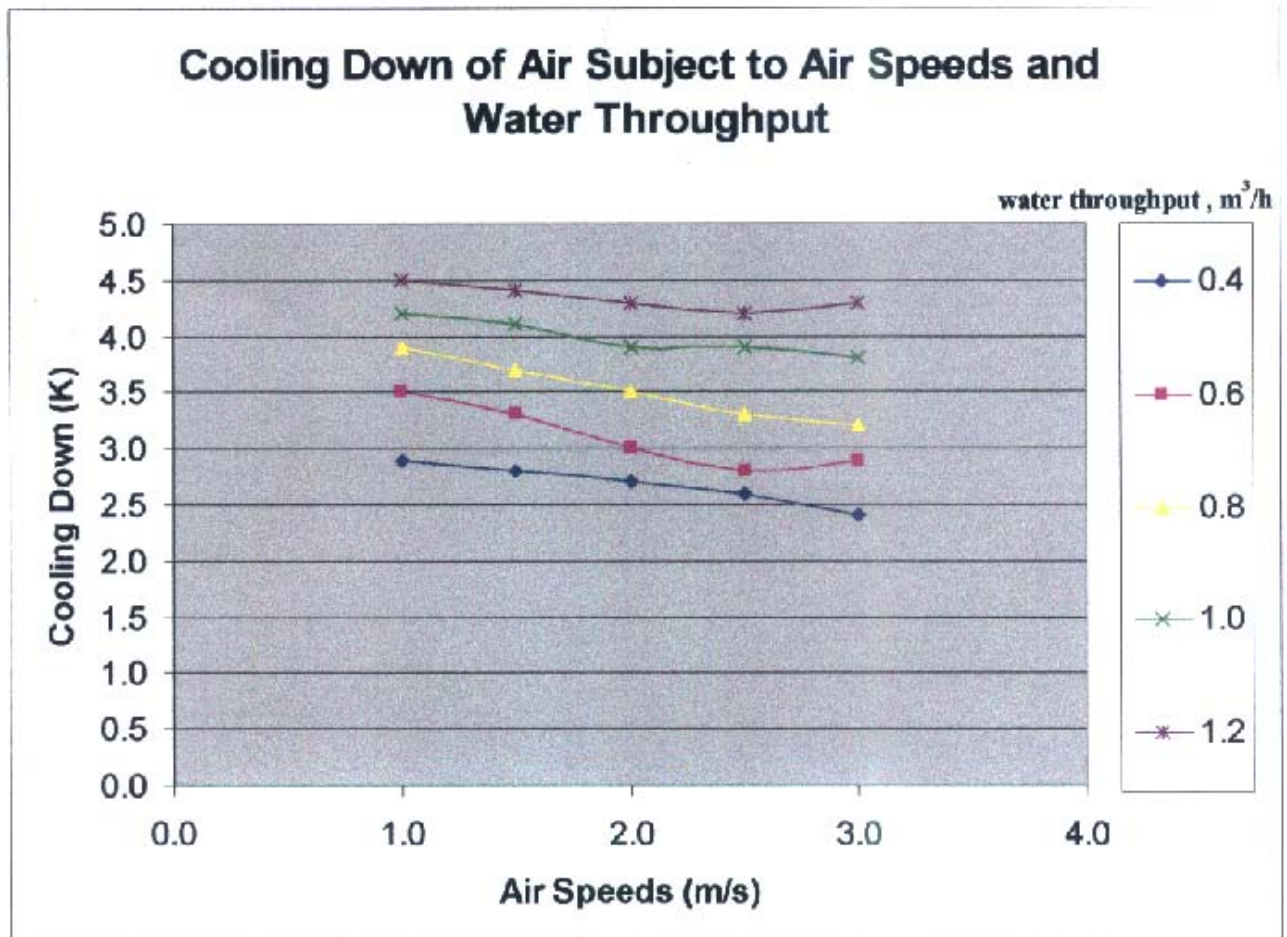
Test Setup

CONDITION OF TESTING

CALIBRATION :	- water throughput : 0.4 / 0.6 / 0.8 / 1.0 and 1.2 m ³ /h
	- air speed : 1.0 / 1.5 / 2.0 / 2.5 and 3.0 m/s
ENVIRONMENTAL CONDITIONS :	- temperature : 34 to 35 °C
	- relative humidity : 58 to 66 %
TEST PROCEDURE :	- positioning of air speeds with adjustable supply air tunnel - positioning of water throughput (choose pump and flow limiter respectively) - record performance data : temperature and humidity

TEMPERATURES

Water throughput	Air Speed	Temperature		
		Before	After	Difference
m ³ /h	m/s	°C	°C	K
0.4	1.0	34.5	31.6	2.9
	1.5	34.4	31.6	2.8
	2.0	34.5	31.8	2.7
	2.5	34.4	31.8	2.6
	3.0	34.4	32.0	2.4
0.6	1.0	34.5	31.0	3.5
	1.5	34.3	31.0	3.3
	2.0	34.2	31.2	3.0
	2.5	33.8	31.0	2.8
	3.0	33.9	31.0	2.9
0.8	1.0	34.0	30.1	3.9
	1.5	34.5	30.8	3.7
	2.0	34.2	30.7	3.5
	2.5	34.0	30.7	3.3
	3.0	34.1	30.9	3.2
1.0	1.0	34.4	30.2	4.2
	1.5	34.3	30.2	4.1
	2.0	34.3	30.4	3.9
	2.5	34.3	30.4	3.9
	3.0	34.0	30.2	3.8
1.2	1.0	34.5	30.0	4.5
	1.5	34.4	30.0	4.4
	2.0	34.4	30.1	4.3
	2.5	34.2	30.0	4.2
	3.0	34.3	30.0	4.3



RELATIVE HUMIDITY

Water throughput	Air Speed	Relative Humidity		
		Before	After	Difference
m ³ /h	m/s	%	%	%
0.4	1.0	62	81	19
	1.5	63	81	18
	2.0	63	81	18
	2.5	62	79	17
	3.0	61	77	16
0.6	1.0	61	84	23
	1.5	60	82	22
	2.0	61	83	22
	2.5	64	85	21
	3.0	65	86	21
0.8	1.0	58	86	28
	1.5	59	86	27
	2.0	61	87	26
	2.5	60	86	26
	3.0	63	88	25
1.0	1.0	63	92	29
	1.5	63	91	28
	2.0	63	90	27
	2.5	62	89	27
	3.0	62	88	26
1.2	1.0	60	91	31
	1.5	61	91	30
	2.0	62	91	29
	2.5	64	92	28
	3.0	66	93	27

