

FORM T-E-01

CONSULTANT

**TESTING ADJUSTING AND BALANCING
CARD FOR HVAC SYSTEMS**

CONTRACTOR

CHILLER TEST REPORT

BUILDING _____ : SHEET : _____ / OF / _____

TEST PERIOD _____ :

IDENTIFICATION

--- MANUFACTURER	:	_____
--- SIZE	:	_____
--- WORKING FLUID	:	_____
--- COMPRESSOR NAMEPLATE DATA	:	_____
--- NO OF COMPRESSOR	:	_____
--- CAPACITY STEPS	:	_____
--- CONDENSOR FANS NAMEPLATE DATA	:	_____
--- CONDENSOR COILS	:	_____
--- NO OF REFR. CIRCUITS	:	_____

PERFORMANCE

NO	ITEM	SPECIFIED	FIELD TEST 1	FIELD TEST 2	FIELD TEST 3
*1	WATER FLOWRATE (l/s)				
*2	EQPT. PRESSURE DROP (kpa)				
3	INLET WATER TEMP. (°C)				
4	EXIT WATER TEMP. (°C)				
5	COOLING CAPACITY (kw)				
6	OUTSIDE AIR TEMP. (°C)				

* ITEMS 1 & 2 RECORDED AS MEASURED THROUGH WATER SIDE TESTS.

REMARKS : _____

COMMISSIONING
ENGINEER

CONSULTANT

CONTRACTOR

NAME	:	_____	NAME	:	_____	NAME	:	_____
SIGNATURE	:	_____	SIGNATURE	:	_____	SIGNATURE	:	_____
DATE	:	_____	DATE	:	_____	DATE	:	_____

**COIL WATER FLOW ADJUSTING
REPORT**

FORM T-W-02

TEST By :
BUILDING :
SYSTEM :
REMARKS :

SHEET : / OF /
ZONE # :
DATE :

EXISTING DATA

COIL DESIGNATION :
VALVE AND DIMENSION :
SPECIFIED FLOW :

1st MEASUREMENT

MEASURED FLOW (1/s) :
VALVE POSITION :
REMARKS :

2nd MEASUREMENT

MEASURED FLOW (1/s) :
VALVE POSITION :
REMARKS :

FINAL MEASUREMENT

RESULTANT FLOW (1/s) :
VALVE POSITION :
REMARKS :

PUMP CAPACITY TEST REPORT

FORM T-W-03

TEST By :	SHEET : / OF /
BUILDING :	ZONE # :
SYSTEM :	DATE :
REMARKS :	

VOLTAGE : ___ ACTUAL VOLTS : (1)

(Volts) ___ NAMEPLATE VOLTS : (2)

CURRENT : ___ NO LOAD AMPS : (3)

(amps) ___ FULL LOAD AMPS : (4)

___ RUNNING AMPS : (5)

___ CORRECTED ACTUAL

FULL LOAD AMPS : = $\frac{\text{LINE (2)} \times \text{LINE (4)}}{\text{LINE (1)}}$ = (6)

POWER : ___ NAMEPLATE HP : (7)

(HP)

BRAKE HP : $\frac{\text{LINE (5)} - 1/2 \text{ LINE (3)}}{\text{LINE (6)} - 1/2 \text{ LINE (3)}} \times \text{LINE (7)}$ = (8)

HEAD : ___ SUCTION HEAD AT NO FLOW : (9)

(kpa) ___ DISCHARGE HEAD AT NO FLOW : (10)

___ SUCTION HEAD AT FULL FLOW : (11)

___ DISCHARGE HEAD AT FULL FLOW : (12)

* PUMP HEAD : $\text{LINE (12)} - \text{LINE (11)}$ = (13)

** FLOW RATE (m³ / h - l/s) : (14)

SPEED (rpm) : (15)

* At operation point .

** Measurements and Calculations will give Lines (8) and (13) Knowing these quantities manufacturer curves will be referred to find LINE (14)