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2.2.3 SYSTEM

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COOLING COIL 가 - - -
가()-DUST FIN 가 가
:< 2> WASHER ROOM ()

2.2.4

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: CATALOG 1, 2

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3. SYSTEM

$$\vdots$$

AIR WASHER SYSTEM

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640 R/T(1,920,000 kcal/H) 429,570 CMH
(28 DB, 52% RH .
32 DB, 52% RH

1. SUPPLY FAN BLADE

AF-120 MODAL (CATALOG)

: 1162 CMM 836640 CMH

: 55MMAQ

SHP : 20

2. DUCT(SUPPLY)

3. SUPPLY GRILLE RETURN GRILLE

4. WASHER ROOM

5. TANK(30 TON) SUPPLY, RETURN, 가

6. #2

LINE

:

SPRAY NOZZLE 9

AIR WASHER

.()

4. SYSTEM

CAD NO. : CF-02

DATE : 199 . .

HL NO. : 01

page of

COOLING CAPACITY SENSIBE LATENT SHF	2064756 Kcal/H 2015379 Kcal/H 49377 Kcal/H 0.98	HL NO. 01

	34 DB 75% RH 0.0256 Kg/Kg 23.9 Kcal/Kg	
	32 DB 52% RH 0.0155 Kg/Kg 17.2 Kcal/Kg	
A/W		20%
	32.1 DB 53% RH 0.0154 Kg/Kg 17.3 Kcal/Kg	
A/W		
	22.6 DB 90% RH 0.0154 Kg/Kg 14.8 Kcal/Kg	2 BANK
AIR VOLUME	893342 CMH 1018410 Kg/H	666000 CMH LUWA 1.14 Kg/M ³ 27 , 65% RH
SPRAY		
SPRAY	20.7	
NOZZLE	18.67	
	1018410 Kg/H	1 = L/G
	2.03	
	9.5	
	32 DB 52% RH	

: 893342 CMH “ SYSTEM ”

: 666000 Kcal/H luwa

: 429570 Kcal/H “ '90. 9. 5 ”

FAN

SUPPLY : AXAIL TYPE

SIZE : 1250 DIA. “ '90. 9. 5 ”

MOTOR : 19 KW

Q'TY : 12 SET

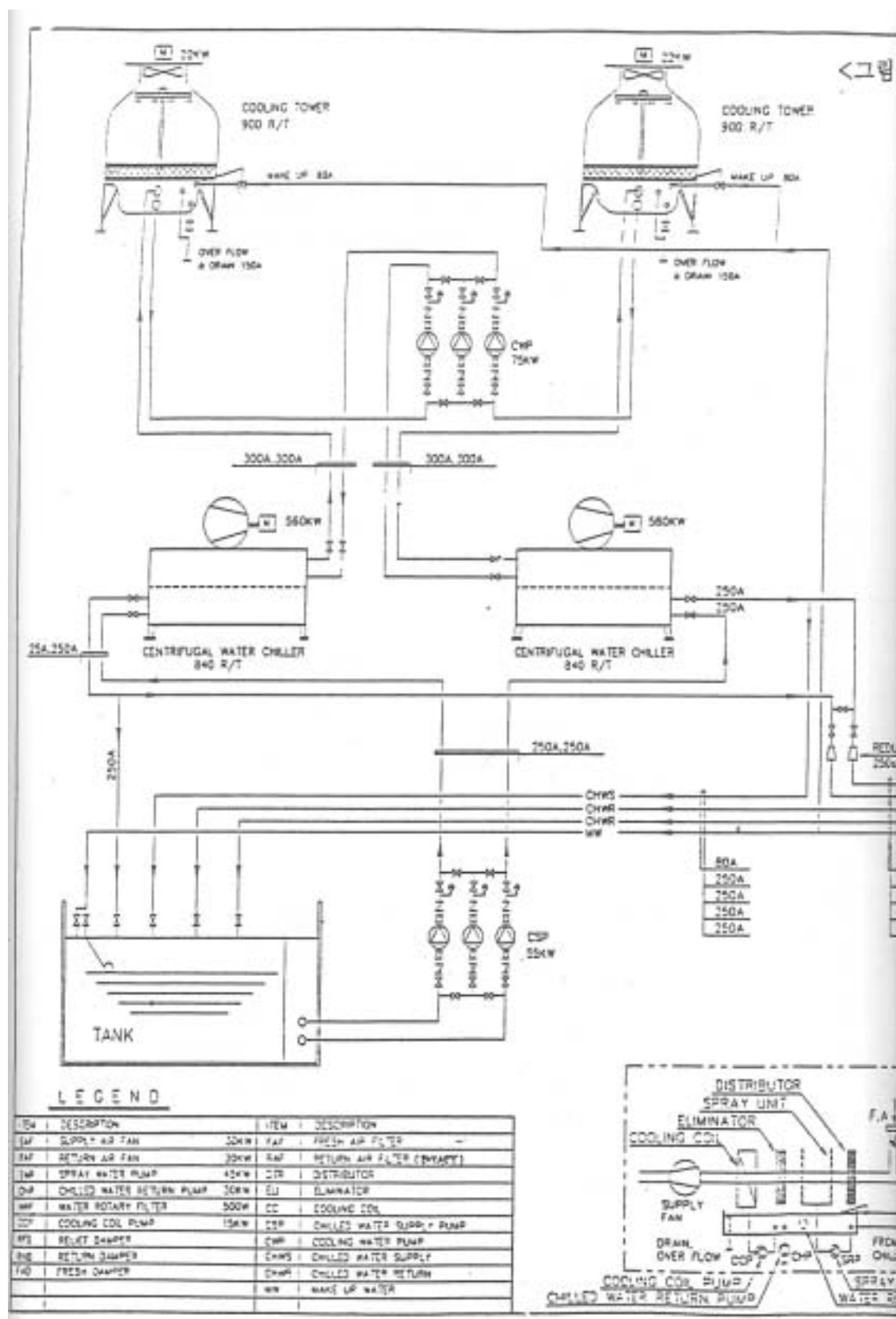
A : 26 AMPRERE '91. 2. 8

RETURN : AXAIL TYPE

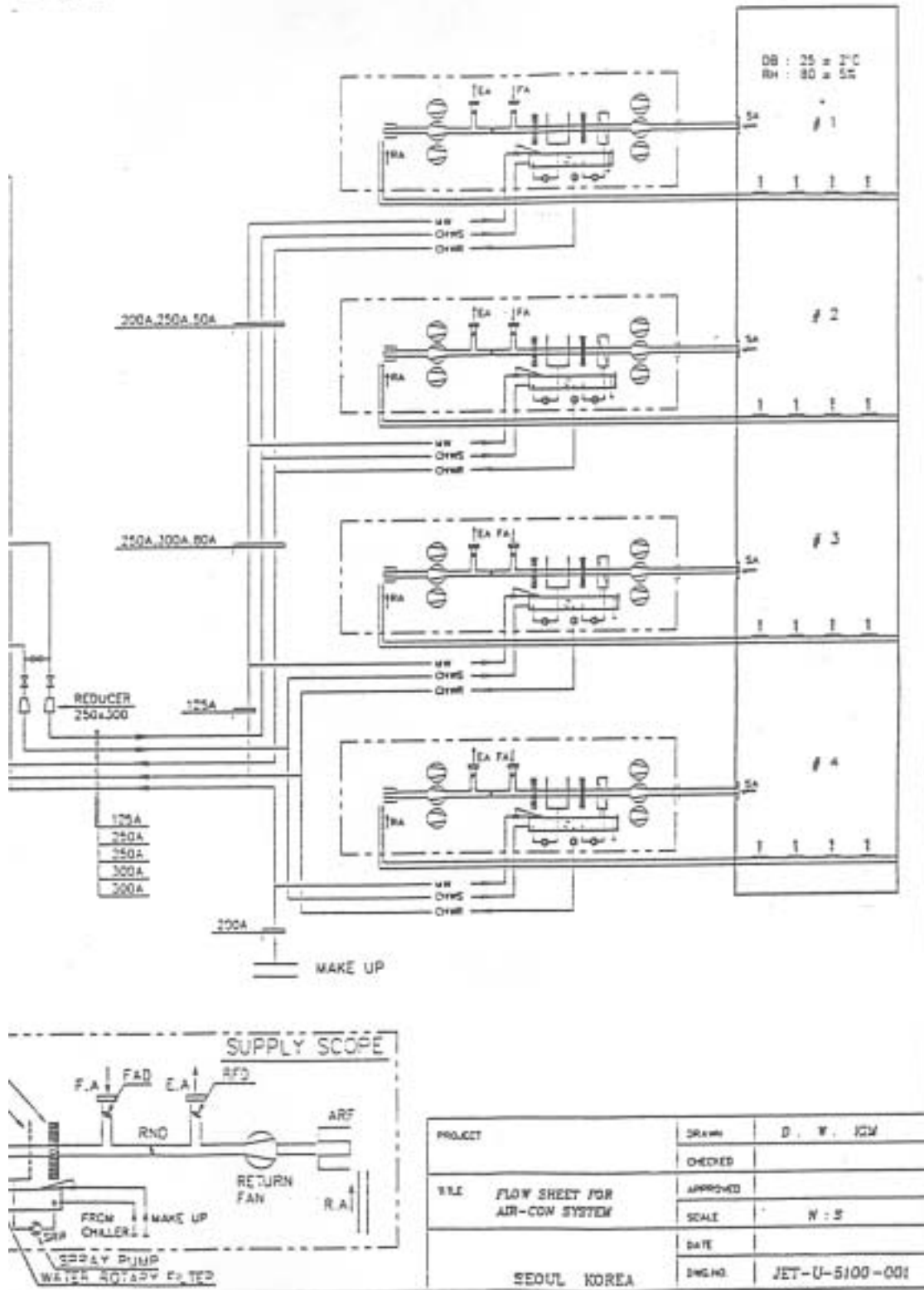
SIZE : 1250 DIA.

MOTOR : 15KW

Q'TY : 12 SET



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BASIC DATA FOR AIR WASHER SYSTEM

PROJECT : AIR WASHER PROJECT FOR SPINNING MILLS LTD.,

PROCESS : AIR JET WEAVING

A. FACTORY DATA

1. LOCATION : DHAKA – BANGLADESH

ALTITUDE ABOVE SEA LEVEL : M

2. OUTDOOR CONDITION

DRY BULB TEMPERATURE(MAX.) : 35.50

WET BULB TEMPERATURE(MAX.) : 30.80

RELATIVE HUMIDITY

3. INDOOR CONDITION

DRY BULB TEMPERATURE :

WET BULB TEMPERATURE(MAX.) :

RELATIVE HUMIDITY

4. OVER-ALL HEAT-TRANSMISSION COEFICIENT

WALLS : 2.10 W/M² K

ROOFS : 1.80 W/M² K

5. HEAT OF LIGHTING

6. UTILITY

ELECTRIC

- DRIVING MOTOR : 415V / 3PH / 50Hz

- CONTROL : 220V / 1 PH / 50Hz

7. COMPRESSED AIR : 6.00 bar

8. MACHINERY

CARDING	: 144.36 Kw
DRAWING, SIMPLEX, COMBING	: 406.30 Kw
RING	: 1,097.10 Kw
CONE WINDING	: 80.00 Kw
LIGHT	

< 2>

B. AIR-CONDITIONING DATA

1. AREA

CARDING 60 X 8.5	: 510.00 sq M
DRAWING, SIMPLEX, COMBING 60 X 42.5	: 2,550.00 sq M
RING 60 X 44.1	: 2,646.00 sq M
CONE WINDING 60 X 22.5	: 1,350.00 sq M
CEILING HEIGHT	: 4.87M

2. SUPPLY/RETURN AIR VOLUME

CADING

SUPPLY AIR VOLUME	62,093 CMH	1,035 CMM
RETURN AIR VOLUME	59,609 CMH	993 CMM
DRAWING, SINPLEX, COMBING		
SUPPLY AIR VOLUME	310,463 CMH	5,174 CMM
RETURN AIR VOLUME	298,044 CMH	4,967 CMM

RING

SUPPLY AIR VOLUME 515,441 CMH 8,591 CMM

RETURN AIR VOLUME 494,823 CMH 8,247 CMM

CONE WINDING

SUPPLY AIR VOLUME 164,363 CMH 2,739 CMM

RETURN AIR VOLUME 157,788 CMH 2,630 CMM

