

**DOCUMENT TITLE : GENERAL ARRANGEMENT&PERFORMANCE DATA SHEET
FOR FAN(ASRS)**

DOCUMENT NO : _____
V/P NO : MD-451-0000-HV-91773-00170
REQUISITION NO : HV0002
PURCHASE ORDER NO : 4500091773
ITEM NO : See Attachment list
ITEM DESCRIPTION : AXIAL FAN(ASRS)

☐ APPROVED ☐ WITH COMMENT			
☐ REVIEWED ☐ RESUBMIT			
This approval or review does not relieve the vendor / subcontractor of his responsibilities to meet all requirements of the purchase order			
	ORIGINAL	CHECKED	APPD(PRJ)
SIGN			
DATE			
SAMSUNG ENGINEERING CO., LTD.			

G	2012-12-06	FOR APPROVAL	MURUGAN	DAIF ALLAH	ABDUL BARI
F	2012-11-21	FOR APPROVAL	MURUGAN	DAIF ALLAH	ABDUL BARI
O	2012-10-26	FOR FINAL	MURUGAN	DAIF ALLAH	ABDUL BARI
E	2012-10-24	FOR APPROVAL (TYPE CHANGE)	MURUGAN	DAIF ALLAH	ABDUL BARI
D	2012-08-09	FOR APPROVAL	MURUGAN	DAIF ALLAH	ABDUL BARI
C	2012-06-26	FOR APPROVAL	MURUGAN	DAIF ALLAH	ABDUL BARI
B	2012-06-14	FOR APPROVAL(Quantity Change)	MURUGAN	DAIF ALLAH	ABDUL BARI
A	2012-05-23	FOR APPROVAL	MURUGAN	DAIF ALLAH	ABDUL BARI
REV	DATE	DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY



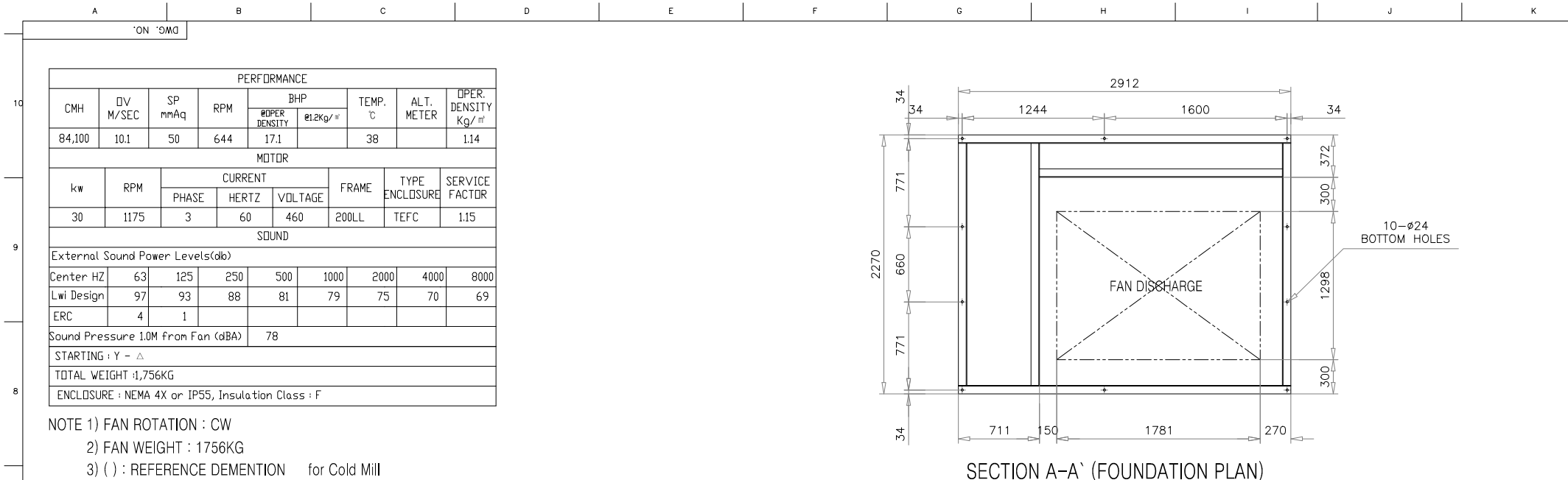
Ma'aden Aluminum Rolling Mill Project



SAMSUNG ENGINEERING CO., LTD.
SEOUL KOREA
SECL PROJECT NO. : SS-2406

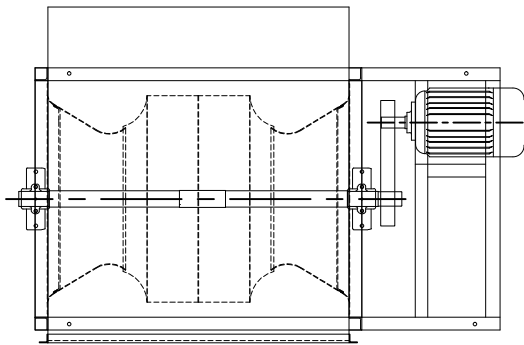
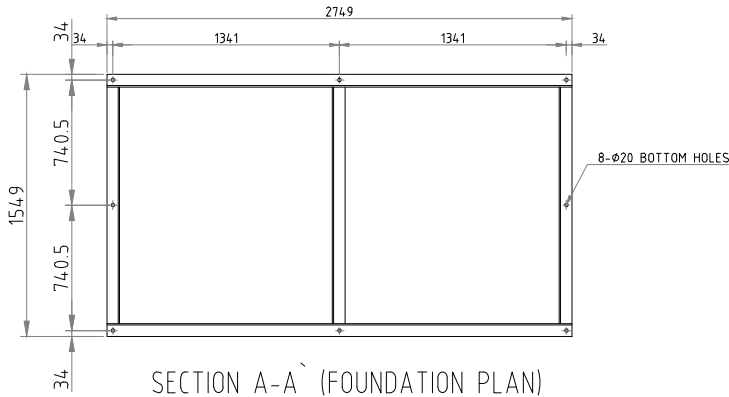


ZAMIL AIR CONDITIONERS,
AL-JUBAIL

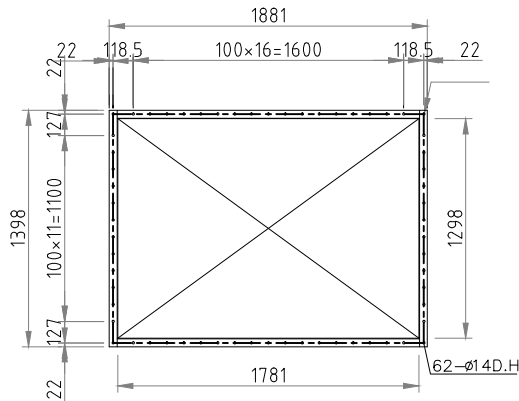


PERFORMANCE								
CMH	OV M/SEC	SP mmAq	RPM	BHP		TEMP. °C	ALT. METER	OPER. DENSITY Kg/ m³
				ROPER DENSITY	01.2kg/ m³			
84,100	10.1	150	891	41.3		38		1.14
MOTOR								
kw	RPM	CURRENT			FRAME	TYPE ENCLOSURE	SERVICE FACTOR	
		PHASE	HERTZ	VOLTAGE				
55	1780	3	60	480	225M	TEFC	1.15	
SOUND								
External Sound Power Levels(db)								
Center HZ	63	125	250	500	1000	2000	4000	8000
Lwi Design	102	101	96	90	86	82	78	75
ERC	4	1						
Sound Pressure 1.0M from Fan (dBA)				85				
STARTING : Y - Δ								
TOTAL WEIGHT : 2,318KG								
ENCLOSURE : NEMA 4X or IP55, Insulation Class : F								

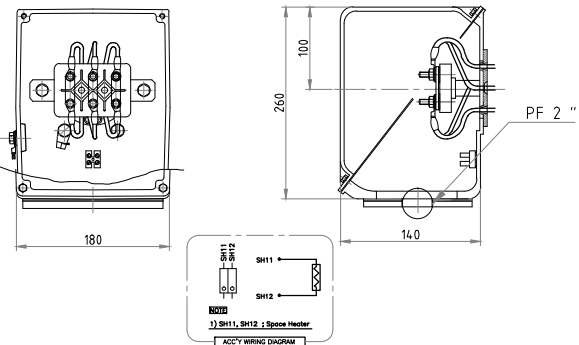
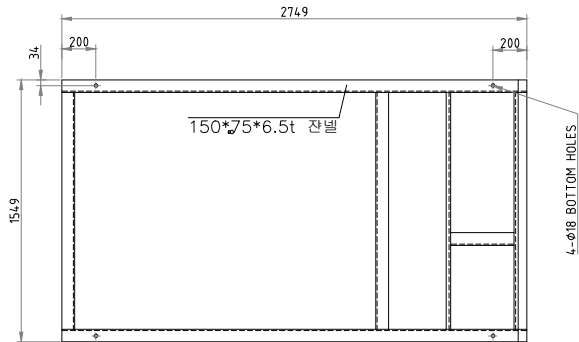
NOTE 1) FAN ROTATION : CW
2) FAN WEIGHT : 2,318KG
3) () : REFERENCE DEMENTION for Hot Mill



TOP VIEW



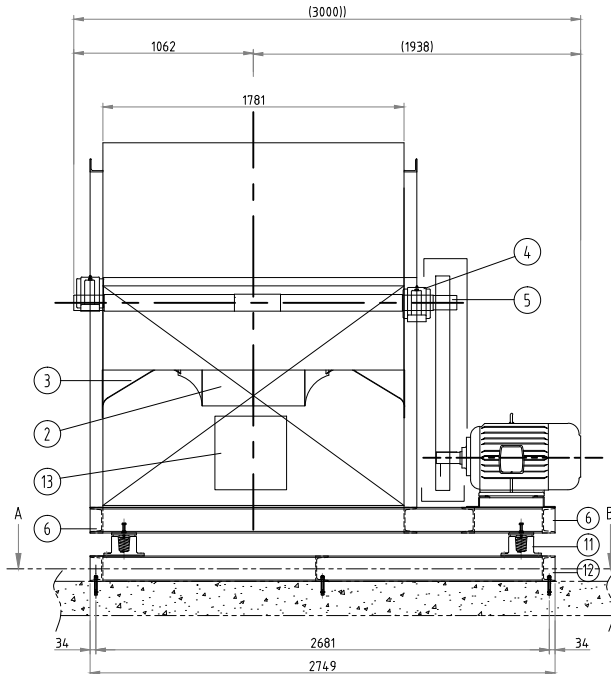
DISCHARGE COMPAISON FLANGE



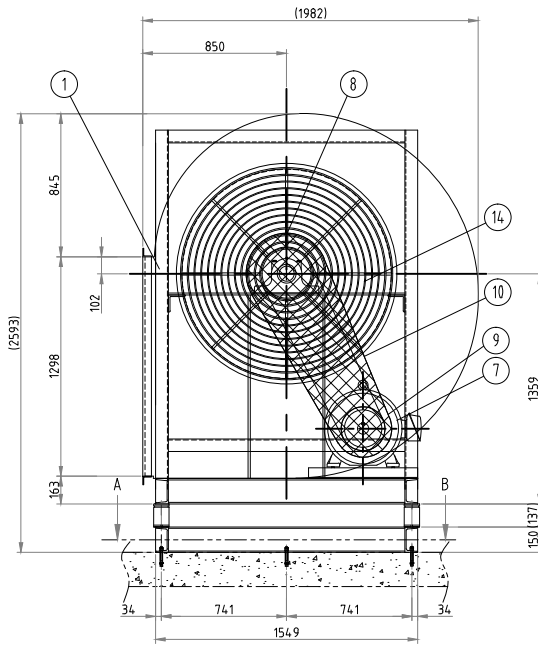
MOTOR TERMINAL BOX ASS'Y

PURCHASE ORDER NO.	4500091773
ORDER ENTRY NO.	2024
EQUIPMENT TYPE	AIRFOIL FAN
MANUFACTURER	Kiturami - Bumyang
EQUIPMENT NUMBER	4230-ASR S-014-025
SERIAL NUMBER	D51D490E S075S-001
DATE OF MANUFACTURE	
AIR VOLUME(CMH)	84,100
POWER SUPPLY	460V-3Ph-60Hz
STATIC PRESSURE(mmAq)	150
POWER REQUIRED(KW)	55
MOTOR SPEED(RPM)	1780

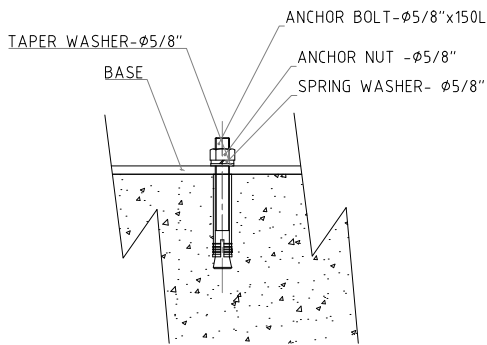
NAME PLATE



FAN FROUT VIEW



FAN DRIVE SIDE VIEW



DETAIL "A"

☐ APPROVED	☐ WITH COMMENTS
☐ REVIEWED	☐ RESUBMIT
THIS APPROVAL OR REVIEW DOES NOT RELIEVE THE VENDOR/SUBCONTRACTOR OF ITS RESPONSIBILITIES TO MEET ALL OF THE SPECIFIED REQUIREMENTS OF THE PURCHASE ORDER	
ORIGINATOR	CHECKED
DATE	APPD(PR)
SAMSUNG ENGINEERING CO., LTD	

06DEC.2012	ISSUED FOR APPROVAL				
21NOV.2012	ISSUED FOR APPROVAL				
26OCT.2012	ISSUED FOR FINAL				
24OCT.2012	ISSUED FOR APPROVAL (TYPE CHANGE)				
9AUG.2012	ISSUED FOR APPROVAL				
26JUNE.2012	ISSUED FOR APPROVAL (CAPACITY CHANGE)				
16JUNE.2012	ISSUED FOR APPROVAL (CAPACITY CHANGE)				
23MAY.2011	ISSUED FOR APPROVAL				
REV	DATE	DESCRIPTION	AE	LE	PM
CLIENT	ALCADA				
PROJECT	Ma'aden Aluminum Project				
	Ma'aden Aluminum Rolling Mill Project				
CONTRACTOR	SAMSUNG ENGINEERING				
SUB CONTRACTOR	Zamil Air Conditioners Co., Ltd.				
TITLE	V/P No. for GENERAL ARRANGEMENT & PERFORMANCE DATA SHEET FOR FAN & ASRS FAN				
SCALE	AREA	PROJECT NUMBER	SIZE	ISSUE	
SAMSUNG ENGINEERING CO., LTD					A