

EQUIPMENT DATA SHEET									
DOCUMENT NUMBER:									
EQUIPMENT NAME:		Amphitheater Air cooled Rooftop Package							
Rev.	Date	Design	Correct	Check	Approve	Rev. Description	PROJECT NAME:		
A00	403.08.25						PROJECT NUMBER:		
							CLIENT:		
No.	Description	Purchaser			Supplier		Rev.		
1.00	GENERAL								
1.01	EQUIPMENT NUMBER	ROOFTOP 01,02							
1.02	EQUIPMENT NAME	Amphitheater Air cooled Rooftop Package							
1.03	QTY	2	SET						
1.04	MANUFACTURER	TBA							
1.05	DUTY DESCRIPTION	2 DUTY							
1.06	OPERATING MODE	CONTINUOUS							
1.07	TYPE	SINGLE CASE TYPE, DIRECT EXPANSION							
1.08	INSTALL CONDITIONS	OUTDOOR							
1.09	BUILDING	Kordestan							
1.10	AREA CLASSIFICATION	Amphithater							
1.11	SUMMER OUTDOOR:	43°C DB, 25°C WB							
1.12	SUMMER INTDOOR:	20°C, 40%-60%RH							
1.13	WINTER OUTDOOR:	-10°C DB							
1.14	WINTER INDOOR:	22°C, 40%-60%RH							
2.00	EQUIPMENT & DESIGN DATA								
2.01	COMPRESSOR TYPE :	SCROLL/ DIGITAL SCROLL							
2.02	CONDENSER COIL & FIN MATERIAL :	COPPER TUBE WITH ALUMINIUM FIN							
2.03	UNIT TYPE (HORIZONTAL/VERTICAL):	HORIZONTAL/VERTICAL AIR DISCHARGE TYPE							
2.04	REFRIGERANT :	R-134A							
2.05	REFRIGERANT PIPE MATERIAL :	TYPE L COPPER AS PER ASTM							
2.06	REFRIGERANT PIPE INSULATION:	12 MM CLOSED CELL ELASTOMERIC							
2.07	CONDENSOR FANS TYPE & NOS. :	PROPELLER TYPE ,6 NOS. (VENDOR TO SUGGEST NO.OF FANS)							
2.08	DESIGN AMBIENT TEMPERATURE :	42°C							
2.09	OPERATING AMBIENT TEMPERATURE :	38°C							
2.10	ACTUAL COOLING CAPACITY (KW) :	80 KW							
2.11	SUPPLY AIR VOLUME (CFM)	12500							
2.12	FRESH AIR VOLUME (CFM)	850							
2.13	CASING MATERIAL :	GALVANIZED STEEL SHEETS							
2.14	SOUND POWER LEVEL @ 1 M FROM THE UNIT :	TBA							
2.15	TOTAL WEIGHT WITH REFRIGERANT:	*							
2.16	SATURATED SUCTION TEMPERATURE :	*							
2.17	CONDENSER PROTECTION WIRE GUARD:	REQUIRED					V		
2.18	REFRIGERANT PIPE CONNECTION SIZES :	*					Hz		
2.19	EQUIPMENT DIMENSION (LX WX H) :	*					V		
2.20	ELECTRIC POWER REQUIREMENT (KW):	*							
2.21	ELECTRIC SUPPLY (V, PH, HZ)	415 V (+- 10%), 1 PH 50 HZ (+- 2%)							
2.22	CONDENSER FAN IP CLASS :	IP 55							
2.23	CONDENSER FAN AIR VOLUME (LPS):	*							
2.24	UNIT TOTAL POWER CONSUMPTION (KW) :	*							
2.25	STARTING CURRENT :	*							
2.26	UNIT TYPE (FLOOR/CEILING MOUNTED) :	FLOOR LANDED							
2.28	NOMINAL HEATING CAPACITY (KW):	-							
2.29	COOLING COIL & FIN MATERIAL :	COPPER TUBES & ALUMINUM FINS							
2.30	NOMINAL AIR FLOW (LPS) :	STA							
2.31	AIR FLOW CONTROL (HIGH/MED/LOW) :	REQUIRED							
2.32	STATIC PRESSURE AT DIFFERENT SPEEDS (PA) :	STA							
2.33	HAZARD CLASS :	SAFE AREA							
2.34	CASING MATERIAL :	HEAVY STEEL GALVANIZED SHEET							
2.35	SOUND POWER @ 1 M FROM THE UNIT :	30 DBA MAX							
3.35	EXTERNAL FAN STATIC PRESSURE : inWG	0.55							
2.37	SUPPLY FAN TYPE :	FORWARD CURVED (*)							
2.38	LOCAL TEMPERATURE CONTROLLER	REQUIRED							
3.00	INSTALLATION INFORMATION								
3.01	UNIT DIMENSIONS (LXWXH), MM	STA							
3.02	FILTER PROPERTIES	WASHABLE+ BAG 60%							
3.03	DIVISION ASSEMBLY	SHALL BE PRESENTED BY THE MANUFACTURER							
3.04	UNIT WEIGHT, KG	STA							
4.00	RELATED DRAWING NUMBER								
4.01	PFD DWG. NUMBER								
4.02	LAYOUT DWG. NUMBER								
ALL THE EQUIPMENT CALCULATION AND SELECTION SHALL BE BASED ON THE DATASHEET AND ATTACHED CLIMATE REPORT & SITE CONDITION.									
(*) INDICATED APPROXIMATE DATA. FINAL DATA TO BE PROVIDED BY VENDOR/SUPPLIER.									
"STA" INDICATED DATA TO BE ADVISED BY VENDOR/SUPPLIER.									
"TBA" INDICATES INFORMATION TO BE ANNOUNCED DURING ORDERING STAGE.									