

DX-SPLIT AIR CONDITIONER UNITS

EQUIPMENT NO.	QTY.	TYPE	REQUIRED COOLING CAP. SENSIBLE/LATENT (BTU/HR)	REQUIRED HEATING CAP. (BTU/HR)	ACTUAL/NOMINAL CAP. SENSIBLE/LATENT (BTU/HR)	ELECTRIC POWER SUPPLY (V/PH/Hz)	POWER CONSUMPTION (KW)	SERVICE AREA	REMARK
1202-SUI-GCSEB-01 A,B 1202-SUO-GCSEB-01 A,B	2 (1 DUTY / 1 STANDBY)	WALL MOUNTED T3	24365.9/3486.2	1360	BY VENDOR	230/1/50	BY VENDOR	CAPACITOR BANK	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSEB-02 A,B,C,D 1202-SUO-GCSEB-02 A,B,C,D	4 (2 DUTY / 2 STANDBY)	CEILING MOUNTED CASSETTE T3	31344/0	1290	BY VENDOR	400/3/50	BY VENDOR	HIGH VOLTAGE ROOM	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)
1202-SUI-GCSEB-03 A,B,C,D 1202-SUO-GCSEB-03 A,B,C,D	4 (2 DUTY / 2 STANDBY)	CEILING MOUNTED CASSETTE T3	53369/0	1510	BY VENDOR	400/3/50	BY VENDOR	LOW VOLTAGE ROOM	INDOOR AND OUTDOOR UNIT-T3 WITH THERMOSTAT AND ALL STANDARD ACCESSORY COOLING AND HEATING (HEAT PUMP)

FAN FILTER UNIT

EQUIPMENT NO.	FILTRATION	FLOW (L/S)	TOTAL EXTERNAL PRESSURE DROP* (PA.)	SERVICE AREA	QTY.	REMARK
1202-FFU-GCSEB-01	- AL-V TYPE - BAG FILTER (95%)	181.3	115.96	CAPACITOR BANK+ CO2 ROOM	1	EQUIPPED WITH BIRD MESH AND SAND TARP LOUVER.

* Total Pressure Drop (External + Internal) Shall Be Specified By Vendor.

EXHAUST FAN

EQUIPMENT NO.	TYPE	FLOW (L/S)	TOTAL EXTERNAL PRESSURE DROP* (PA.)	SERVICE AREA	QTY.	REMARK
1202-EF-GCSEB-01	UTILITY EX. FAN	181.3	114.22	CAPACITOR BANK+ CO2 ROOM	1	EQUIPPED WITH BIRD MESH AND GRAVITY DAMPER.

* Total Pressure Drop (External + Internal) Shall Be Specified By Vendor.

AIR DISTRIBUTOR SCHEDULE

LOCATION	TAG. NO.	TYPE	FLOW RATE (L/S)	SIZE (mm)	QUANTITY
CO2 ROOM	S.D.-01	SUPPLY DIFFUSER	153.3	300x300	1
CAPACITOR BANK	S.D.-02	SUPPLY DIFFUSER	28	150x150	1
CO2 ROOM	E.D.-01	EXHAUST DIFFUSER	153.3	400x400	1
CAPACITOR BANK	E.D.-02	EXHAUST DIFFUSER	28	150x150	1

DAMPER SCHEDULE

LOCATION	TAG. NO.	TYPE	SIZE (mm)	QUANTITY
CO2 ROOM	V.D.-01	VOLUME DAMPER/OPPOSED	400x150	1
CAPACITOR BANK	V.D.-02	VOLUME DAMPER/OPPOSED	150x100	1
CO2 ROOM	V.D.-03	VOLUME DAMPER/OPPOSED	300x200	1
CAPACITOR BANK	V.D.-04	VOLUME DAMPER/OPPOSED	150x150	1
CAPACITOR BANK (CEILING)	B.P.V.-01	BLAST PROTECTION VALVE	300x250	1
CO2 ROOM (CEILING)	B.P.V.-02	BLAST PROTECTION VALVE	400x150	1
CAPACITOR BANK (CEILING)	F.D.-01	FUSIBLE LINK FIRE DAMPER	300x250	1
CO2 ROOM (CEILING)	F.D.-02	FUSIBLE LINK FIRE DAMPER	400x150	1

NOTES	
1.	CONTRACTOR SHALL COMPARE ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PIPING AND STRUCTURAL DRAWINGS AND IN CASE OF ANY CONFLICTS OR DISCREPANCY, INFORM THE ENGINEER.
2.	ALL MATERIALS ARE SELECTED FROM THE HIGHEST QUALITY AND MUST BE APPROVED BY THE CLIENT.
3.	ALL OPENINGS SHALL BE CONSIDERED AS PER RELATED DRAWINGS BEFORE CONSTRUCTION.
4.	ALL REFRIGERANT PIPE, FITTING AND INSULATION SHALL BE ACCORDING TO NIBC #14.
5.	PIPE SUPPORT DETAIL DRAWING SHALL BE ACCORDING TO STANDARD DRAWING FOR PIPING & PLUMBING.
6.	MATERIALS OF CONDENSATE PIPES SHALL BE POLYPROPYLENE (PP) ACCORDING TO ASTM F2389 OR ISIRI 6314-1-2.
7.	REFRIGERATION PIPING, FITTING, INSULATION SIZES AND DETAILS WILL BE SPECIFIED BY VENDOR.

LEGEND	
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REFERENCE DOCUMENTS	DRG. No.
HVAC & PLUMBING DESIGN CRITERIA	BK-GNRAL-PEDCO-000-HV-DC-0001
SPECIFICATION FOR HVAC EQUIPMENT	BK-GNRAL-PEDCO-000-HV-SP-0001
SPECIFICATION FOR DUCT WORK & PIPE WORK	BK-GNRAL-PEDCO-000-HV-SP-0002
STANDARD DRAWING FOR HVAC & PLUMBING	BK-GNRAL-PEDCO-000-HV-DW-0001
SYMBOL & LEGEND FOR HVAC & PLUMBING	BK-GNRAL-PEDCO-000-HV-DW-0002
HVAC CALCULATION NOTE FOR EXTENSION OF EXISTING BUILDING	BK-GCS-PEDCO-120-HV-CN-0002
HVAC SYSTEM LAYOUT & SECTION FOR EXTENSION OF EXISTING ELECT. BUILDING	BK-GCS-PEDCO-120-HV-PY-0006
HVAC FLOW DIAGRAM FOR EXTENSION OF EXISTING ELECT. BUILDING	BK-GCS-PEDCO-120-HV-DR-0003
ARCHITECTURAL DETAIL DRAWING FOR EXTENSION OF EXISTING ELECT. BUILDING	BK-GCS-PEDCO-120-PI-AR-0002
UNIT PLOT PLAN DRAWING	BK-GCS-PEDCO-120-PI-PY-0001

KEY PLAN

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