

OUTDOOR HEAT PUMP-VRF (HEAT RECOVERY)

| MARK | COOLING CAP. | | HEATING CAP. | | ELECTRICAL | | EER COP | WEIGHT LBS | BASIS OF DESIGN MITSUBISHI | |
|-------|--------------|-----------|--------------|-----------|------------|---------------|----------|-------------|----------------------------|--------|
| | MBH | AMB. (°F) | MBH | AMB. (°F) | MCA | MOCP (V/Φ/Hz) | | | | |
| OHP-1 | 120 | 95 | 135 | 47 | 43 | 70 | 208/3/60 | 12.1 3.6 | 750 | PURY-P |
| OHP-2 | 216 | 95 | 243 | 47 | 43 | 70 | 208/3/60 | 11.6 3.5 | 1250 | PURY-P |
| OHP-3 | 168 | 95 | 188 | 47 | 61 | 100 | 208/3/60 | 10.6 3.3 | 850 | PURY-P |

* UNIT IS TWO MACHINES WITH SEPERATE POWER CONNECTIONS

- NOTES:**
- REFRIGERANT PIPING SHALL BE SIZED AND ROUTED PER MANUFACTURER'S RECOMMENDATIONS.
 - HVAC CONTROLS COMMUNICATIONS TO INDOOR UNITS IS PROVIDED THRU OUTDOOR UNITS.
 - REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING-TYPE TAMPER-RESISTANT CAPS.
 - PROVIDE PHASE PROTECTION WITH AUTO RE-START.

HEAT PUMP CONTROLLERS

| MARK | ELECTRICAL | | | WEIGHT (LBS.) | NUMBER OF CONNECTIONS | BASIS OF DESIGN MITSUBISHI |
|-------|------------|-----|------|---------------|-----------------------|----------------------------|
| | (V/Φ/Hz) | MCA | MOCP | | | |
| BCU-1 | 208/1/60 | 1 | 15 A | 125 | 8 | CMB |
| BCU-2 | 208/1/60 | 1 | 15 A | 125 | 12 | CMB |
| BCU-3 | 208/1/60 | 1 | 15 A | 125 | 8 | CMB |

- NOTES:**
- SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE BALL VALVES AND CAP ANY PIPING CONNECTION NOT USED.
 - PROVIDE BALL VALVES WITH SCHRADER VALVE IN EACH PIPE CONNECTION TO THE CONTROLLER ON THE INLET & OUTLET.
 - PROVIDE DISCONNECT SWITCH FOR EACH BCU.
 - PROVIDE CONDENSATE PUMP.

INDOOR HEAT PUMPS - VARIABLE REFRIGERANT - OHP-1

| MARK | TYPE | TOTAL CFM | COOLING CAP.(MBH) | | HEATING CAPACITY (MBH) | UNIT DIMENSIONS WxDxH | ELECTRICAL | | | BASIS OF DESIGN: MITSUBISHI | WEIGHT (LBS) | ACCESSORIES |
|------|------|-----------|-------------------|--|------------------------|-----------------------|------------|-----|------|-----------------------------|--------------|-------------|
| | | | TOTAL | | | | V/Φ/Hz | MCA | MOCP | | | |
| 1-1 | (B) | 920 | 30 | | 32 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 1-2 | (A) | - | 8 | | 9 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |
| 1-3 | (A) | 1080 | 30 | | 32 | 33" X 33" X 10" | 208/1/60 | 1 | 15 | PLFY | 60 | 1,2,3,4,5 |
| 1-4 | (A) | 800 | 24 | | 26 | 33" X 33" X 10" | 208/1/60 | 1 | 15 | PLFY | 60 | 1,2,3,4,5,6 |
| 1-5 | (A) | - | 8 | | 9 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |

- TYPE:**
- (A) CEILING CASSETTE. (HEAT PUMP)
 (B) CONCEALED ABOVE CEILING-0.5" W/SP W/ FILTER BOX
- ACCESSORIES:**
- LOCAL WIRED REMOTE CONTROLLER WITH OCCUPANCY CONTROL AND DUAL SET POINT. MITSUBISHI PAR-U01MEDIU-T OR EQUAL.
 - CONNECT TO CENTRAL CONTROLLER.
 - WASHABLE AIR FILTER. (PROVIDE (1) EXTRA FILTER PER INDOOR UNIT).
 - CONDENSATE LIFT MECHANISM.
 - SCHRADER VALVES W/ FLARE CONNECTIONS. (AT EACH INDOOR UNIT).
 - AIR OUTLET BLANK OFF.
- NOTES:**
- SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
 - AIRFLOW RATED AT HIGH SPEED.
 - CAPACITY BASED ON 75°F / 62.5°F ENTERING AIR TEMPERATURE.

INDOOR HEAT PUMPS - VARIABLE REFRIGERANT - OHP-3

| MARK | TYPE | TOTAL CFM | COOLING CAP.(MBH) | | HEATING CAPACITY (MBH) | UNIT DIMENSIONS WxDxH | ELECTRICAL | | | BASIS OF DESIGN: MITSUBISHI | WEIGHT (LBS) | ACCESSORIES |
|------|------|-----------|-------------------|--|------------------------|-----------------------|------------|-----|------|-----------------------------|--------------|-------------|
| | | | TOTAL | | | | V/Φ/Hz | MCA | MOCP | | | |
| 3-1 | (B) | 1460 | 48 | | 50 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 3-2 | (A) | - | 12 | | 13 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |
| 3-3 | (A) | - | 12 | | 13 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |
| 3-4 | (A) | - | 30 | | 32 | 33" X 33" X 10" | 208/1/60 | 1 | 15 | PLFY | 60 | 1,2,3,4,5,6 |
| 3-5 | (B) | 1370 | 36 | | 38 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 3-6 | (B) | 1440 | 48 | | 50 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |

- TYPE:**
- (A) CEILING CASSETTE. (HEAT PUMP)
 (B) CONCEALED ABOVE CEILING-0.5" W/SP W/ FILTER BOX
- ACCESSORIES:**
- LOCAL WIRED REMOTE CONTROLLER WITH OCCUPANCY CONTROL AND DUAL SET POINT. MITSUBISHI PAR-U01MEDIU-T OR EQUAL.
 - CONNECT TO CENTRAL CONTROLLER.
 - WASHABLE AIR FILTER. (PROVIDE (1) EXTRA FILTER PER INDOOR UNIT).
 - CONDENSATE LIFT MECHANISM.
 - SCHRADER VALVES W/ FLARE CONNECTIONS. (AT EACH INDOOR UNIT).
 - AIR OUTLET BLANK OFF.
- NOTES:**
- SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
 - AIRFLOW RATED AT HIGH SPEED.
 - CAPACITY BASED ON 75°F / 62.5°F ENTERING AIR TEMPERATURE.

INDOOR HEAT PUMPS - VARIABLE REFRIGERANT - OHP-2

| MARK | TYPE | TOTAL CFM | COOLING CAP.(MBH) | | HEATING CAPACITY (MBH) | UNIT DIMENSIONS WxDxH | ELECTRICAL | | | BASIS OF DESIGN: MITSUBISHI | WEIGHT (LBS) | ACCESSORIES |
|------|------|-----------|-------------------|--|------------------------|-----------------------|------------|-----|------|-----------------------------|--------------|-------------|
| | | | TOTAL | | | | V/Φ/Hz | MCA | MOCP | | | |
| 2-1 | (A) | - | 5 | | 6 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |
| 2-2 | (B) | 1050 | 36 | | 38 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 2-3 | (B) | 800 | 24 | | 26 | 56" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 2-4 | (A) | - | 8 | | 9 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |
| 2-5 | (B) | 580 | 15 | | 16 | 48" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 2-6 | (A) | - | 5 | | 6 | 23" X 23" X 8" | 208/1/60 | 1 | 15 | PLFY | 35 | 1,2,3,4,5 |
| 2-7 | (A) | - | 30 | | 32 | 33" X 33" X 10" | 208/1/60 | 1 | 15 | PLFY | 60 | 1,2,3,4,5 |
| 2-8 | (A) | - | 15 | | 16 | 33" X 33" X 10" | 208/1/60 | 1 | 15 | PLFY | 60 | 1,2,3,4,5,6 |
| 2-9 | (B) | 1320 | 36 | | 38 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 2-10 | (B) | 1200 | 30 | | 32 | 67" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |
| 2-11 | (B) | 280 | 8 | | 9 | 40" X 28" X 10" | 208/1/60 | 1 | 15 | PEFY | 150 | 1,2,3,4,5 |

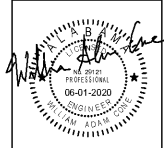
- TYPE:**
- (A) CEILING CASSETTE. (HEAT PUMP)
 (B) CONCEALED ABOVE CEILING-0.5" W/SP W/ FILTER BOX
- ACCESSORIES:**
- LOCAL WIRED REMOTE CONTROLLER WITH OCCUPANCY CONTROL AND DUAL SET POINT. MITSUBISHI PAR-U01MEDIU-T OR EQUAL.
 - CONNECT TO CENTRAL CONTROLLER.
 - WASHABLE AIR FILTER. (PROVIDE (1) EXTRA FILTER PER INDOOR UNIT).
 - CONDENSATE LIFT MECHANISM.
 - SCHRADER VALVES W/ FLARE CONNECTIONS. (AT EACH INDOOR UNIT).
 - AIR OUTLET BLANK OFF.
- NOTES:**
- SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
 - AIRFLOW RATED AT HIGH SPEED.
 - CAPACITY BASED ON 75°F / 62.5°F ENTERING AIR TEMPERATURE.

| MARK | SERVES | TYPE | CFM | "W.G. E.S.P. | MIN. WHEEL DIA. | SOUND HP | MOTOR V | INTERLOCK | ACCESSORIES | WEIGHT (LBS.) | BASIS OF DESIGN LOREN COOK |
|-------|---------------|------|-----|--------------|-----------------|----------|--------------|-------------|--------------|---------------|----------------------------|
| | | | | | | | | | | | |
| EF-SS | STORM SHELTER | (A) | 390 | 0.75" | 10" | 7.0 | 115/1/60 | WALL SWITCH | (1)(2)(3)(4) | 50 | SQN-D |
| SF-SS | STORM SHELTER | (A) | 390 | 0.75" | 10" | 7.0 | 1/6 115/1/60 | WALL SWITCH | (1)(2)(3)(4) | 60 | SQN-D |

- FAN TYPE:**
- (A) CENTRIFUGAL SQUARE IN-LINE - DIRECT DRIVE
- ACCESSORIES:**
- INLET DRAFT DAMPER.
 - DISCONNECT SWITCH.
 - SPRING VIBRATION ISOLATORS.
 - FLEXIBLE CONNECTIONS.

Order Plans @ WWW.LDILine.com

NEW LIBRARY FOR THE CITY OF OPELIKA
 GLENN STREET
 OPELIKA, ALABAMA 36901



SHEET TITLE:
 SCHEDULES

| | |
|------------|------------|
| PROJ.MGR.: | WAC |
| DRAWN: | TLM |
| DATE: | 06-01-2020 |
| REVISIONS: | |

JOB NO. 19-32
 SHEET NO. M0.02
 2 OF 9
 SEQUENCE NO. 68 / 90

