MITSUBISHI CITY MULTI VRF OUTDOOR UNIT SCHEDULE

System Tag	Tag Reference	M-Net Address	Model Number	Modules	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Design Cooling Outdoor Temp DB (°F)	Design Heating Outdoor Temp WB (°F)	Corrected Cooling Total Capacity (BTU/h)	Corrected Heating Capacity (BTU/h)	Voltage / Phase	Electrical-Per Module 208/230 or [460V] MCA 208/230 or [460V]	RFS	MOCP	Notes / Options
OSU-1		51, 52	PURY-HP144YSKMU-A	HP72, HP72	144,000.0	160,000.0	87.0	-6.5	123,148.9	114,963.5	460V / 3-phase 3-wire	26, 26	30, 30	45, 45	1, 2, 3, 4, 5
OSU-2		55, 56	PURY-HP144YSKMU-A	HP72, HP72	144,000.0	160,000.0	87.0	-6.5	123,148.9	114,963.5	460V / 3-phase 3-wire	26, 26	30, 30	45, 45	1, 2, 3, 4, 5
OSU-3		59, 60	PURY-HP144YSKMU-A	HP72, HP72	144,000.0	160,000.0	87.0	-6.5	123,148.9	114,963.5	460V / 3-phase 3-wire	26, 26	30, 30	45, 45	1, 2, 3, 4, 5
OSU-4		63, 64	PURY-HP144YSKMU-A	HP72, HP72	144,000.0	160,000.0	87.0	-6.5	123,148.9	114,963.5	460V / 3-phase 3-wire	26, 26	30, 30	45, 45	1, 2, 3, 4, 5
OSU-5		67, 68	PURY-HP144YSKMU-A	HP72, HP72	144,000.0	160,000.0	87.0	-6.5	123,148.9	114,963.5	460V / 3-phase 3-wire	26, 26	30, 30	45, 45	1, 2, 3, 4, 5
OSU-6		71, 72	PURY-HP144YSKMU-A	HP72, HP72	144,000.0	160,000.0	87.0	-6.5	123,148.9	114,963.5	460V / 3-phase 3-wire	26, 26	30, 30	45, 45	1, 2, 3, 4, 5

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.

MITSUBISHI CITY MULTI VRF INDOOR UNIT SCHEDULE

System Tag	Room Name	Tag Reference	Model	Type	Nominal Cooling Capacity (BTU/h)	Nominal Heating Capacity (BTU/h)	Cooling Design Entering Temp DB/WB (°F) / [Water in temp]	Heating Design Entering Temp DB/WB (°F) / [Water in temp]	Corrected Capacity: Cooling Diversity Full/Partial (See Note 5, 6)	Cooling Total Capacity (BTU/h)	Cooling Sensible Capacity (BTU/h)	Heating Diversity Full/Partial (See Note 5, 6)	Heating Capacity (BTU/h)	Refrig Pipe Dim Liquid/Suction (inch)	Peak Fan Airflow (cfm) / [Design gpm G(US)/min]	Max Fan ESP Setting 208V/230V (IN WG)	Voltage / Phase	Electrical MCA/MFS	Notes / Options
OSU-1		SAC-1-1	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-1		SAC-1-2	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-1		SAC-1-3	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-1		SAC-1-4	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-2		SAC-2-1	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-2		SAC-2-2	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-2		SAC-2-3	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-2		SAC-2-4	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-3		SAC-3-1	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-3		SAC-3-2	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-3		SAC-3-3	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-3		SAC-3-4	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-4		SAC-4-1	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-4		SAC-4-2	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-4		SAC-4-3	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-4		SAC-4-4	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-5		SAC-5-1	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-5		SAC-5-2	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-5		SAC-5-3	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-5		SAC-5-4	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-6		SAC-6-1	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-6		SAC-6-2	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-6		SAC-6-3	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	31,079.1	20,314.5	FULL DEMAND	28,893.0	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
OSU-6		SAC-6-4	PLFY-P30NBMU-ER2	Ceiling cassette (4-way airflow) type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND	30,495.4	20,059.9	FULL DEMAND	28,588.7	3/8 / 5/8	777		208/230V/1-phase	0.64/0.64/15	1, 2, 3, 4, 5, 6

Notes & Options:
1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system. Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply. It is the designer's responsibility to ensure "Diamond System Builder" is set in the
5 appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
6 It is recommended to always base heating corrected capacity on full demand.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

System Tag	Tag Reference	M-Net Address	Model Number	Type (double / Main / Sub)	Number of Ports	Connected Capacity to BC	Voltage / Phase	MCA 208/230	Notes / Options
OSU-1		53	CMB-P108NU-GA	Main	8	120,000.0	208/230V/1-phase	0.68 / 0.61	1, 2
OSU-2		57	CMB-P108NU-GA	Main	8	120,000.0	208/230V/1-phase	0.68 / 0.61	1, 2
OSU-3		61	CMB-P108NU-GA	Main	8	120,000.0	208/230V/1-phase	0.68 / 0.61	1, 2
OSU-4		65	CMB-P108NU-GA	Main	8	120,000.0	208/230V/1-phase	0.68 / 0.61	1, 2
OSU-5		69	CMB-P108NU-GA	Main	8	120,000.0	208/230V/1-phase	0.68 / 0.61	1, 2
OSU-6		73	CMB-P108NU-GA	Main	8	120,000.0	208/230V/1-phase	0.68 / 0.61	1, 2

Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 Connected Capacity to BC should not exceed 189,000 BTU/h for double BCs and 126,000 BTU/h for Sub BCs.

ELECTRIC WALL HEATER PERFORMANCE SCHEDULE

TAG	OUTPUT (KW)	FLOW RATE (GPM)	W.P.D (FT.W.G)	AIRFLOW (CFM)	ROWS	MTG. HT.	ELECTRICAL REQUIREMENTS HP	AMPS	V/PH/HZ	BASIS OF DESIGN QMark SERVICE	ARRANGEMENT	MODEL
-	-	-	-	-	-	-	-	-	-	-	-	-
WH	2.0	-	-	80	-	8"	-	9.6	208/1/60	STAIRS, VESTIBULE	WALL-MOUNTED	CWH1208D5AG
-	-	-	-	-	-	-	-	-	-	-	-	-

General Notes
1. See the Mechanical Specifications and associated Appendices for additional equipment schedules and information.

STATE OF MAINE — STEVEN J. BENNETT — No. 13867 — REGISTERED PROFESSIONAL ENGINEER

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Project: Addition to Ocean Gateway Garage, 167 Fore St, Portland, Maine

Revisions:

Scale: 1/8" = 1'-0"

Date: April 12, 2017

MECHANICAL DETAILS

M1.08