MITSUBISHI CITY MULTI VRF OUTDOOR UNIT SCHEDULE

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

MITSUBISHICITY MULTI VRF INDOOR UNIT SCHEDULF

MITSUBISH	<u>II CITY MUL</u> TI VI	RF INDO	OOR UNIT S	CHEDULE	_	_	Γ							,				
							Cooling Design	Heating Design		Corrected Capacit	v		Refrig Pipe Dim Liquid/Suction (inch)		Max Fan ESP			
							Entering Temp	Entering Temp	Cooling Diversity		Heating Diversity		, ,	Peak Fan Airflow	Setting			
Outstans Tax	Danie Name Tan 5	Deferen	Madal	T		Nominal Heating	DB/WB (°F) /	DB/WB (°F) /	Full/Partial (See Cooling Total		, , , , , , , , , , , , , , , , , , ,	, , ,	,	(cfm) / [Design	208V/230V (IN	Valtaria (Dhana	Electrical	Natas / Ostions
System Tag	Room Name Tag F	Reference	Model	Type Ceiling cassette	Capacity (BTO/n)	Capacity (BTU/h)	[vvater in temp]	[Water in temp]	Note 5, 6) Capacity (BTU/h	Capacity (BTU/h)	Note 5, 6)	(BTU/h)		gpm G(US)/min]	WG)	Voltage / Phase	MCA/MFS	Notes / Options
			PLFY-P30NBMU-	(4-way airflow)												208/230V/1-		
OSU-1	SAC-1	1-1	ER2		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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	Ceiling cassette												208/230V/1-		
OSU-1	SAC-1				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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
				Ceiling cassette														
OSU-1	SAC-1		PLFY-P30NBMU- ER2		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
000-1	0A0-1	1-0	LIVE	Ceiling cassette	30,000.0	34,000.0	00.0/07.0	70.0	TOLE DEMINIO 31,079.1	20,014.0	T OLL BLIMAND	20,090.0	3/0 / 3/0	111		priase	0.04/0.04/10	1, 2, 3, 4, 3, 6
			PLFY-P30NBMU-													208/230V/1-		
OSU-1	SAC-1	1-4		type Ceiling cassette	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	-												208/230V/1-		
OSU-2	SAC-2		ER2	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			DLEV DONDMI	Ceiling cassette												200/220\//4		
OSU-2	SAC-2		PLFY-P30NBMU- ER2		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
				Ceiling cassette	,	,				,		,				,		
00110	0400		PLFY-P30NBMU- ER2	, ,	30,000.0	04.000.0	00.0/07.0	70.0	ELILL DEMAND 04 070 4	00.044.5	FULL DEMAND	00.000.0	0/0 / 5/0	777		208/230V/1-	0.04/0.04/45	1 0 0 4 5 0
OSU-2	SAC-2	2-3		type Ceiling cassette	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND 31,079.1	20,314.5	FULL DEMIAND	20,093.0	3/8 / 5/8	777		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	(4-way airflow)												208/230V/1-		
OSU-2	SAC-2	2-4	ER2	* *	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	Ceiling cassette												208/230V/1-		
OSU-3	SAC-3		ER2	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
				Ceiling cassette												000/000 //4		
OSU-3	SAC-3		PLFY-P30NBMU- ER2		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
	57.5.5			Ceiling cassette		1 .,, 5							0.00			p.v.cc	1	1, 2, 2, 1, 2, 2
00110			PLFY-P30NBMU-	, ,		04.000.0	00.0407.0	70.0	ELILL BENAND OLOGO	00.011.5	ELILL BEMAND	00.000.0	0/0 / 5/0			208/230V/1-	0.04/0.04/45	
OSU-3	SAC-3	3-3	ER2	type Ceiling cassette	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	(4-way airflow)												208/230V/1-		
OSU-3	SAC-3	3-4			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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	Ceiling cassette												208/230V/1-		
OSU-4	SAC-4				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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			DI EV DOONDMII	Ceiling cassette												000/000\//4		
OSU-4	SAC-4		PLFY-P30NBMU- ER2	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
				Ceiling cassette		,												1, 1, 1, 1, 1, 1
OSU-4	SAC-4		PLFY-P30NBMU- ER2		30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND 31,079.1	20,314.5	FULL DEMAND	28 803 0	3/8 / 5/8	777		208/230V/1- phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
030-4	3A0-4	+-0	LIVE	Ceiling cassette	30,000.0	34,000.0	80.0/07.0	70.0	TOLL DEIVIAND 31,079.1	20,314.3	I OLL DEWAND	20,093.0	3/8 / 3/8	111		priase	0.04/0.04/13	1, 2, 3, 4, 3, 0
			PLFY-P30NBMU-													208/230V/1-		
OSU-4	SAC-4	1-4		type Ceiling cassette	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	_												208/230V/1-		
OSU-5	SAC-5	5-1	ER2		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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	Ceiling cassette												208/230V/1-		
OSU-5	SAC-5		ER2	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	Ceiling cassette												200/220\//4		
OSU-5	SAC-5				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
	5.15			Ceiling cassette		1 .,, 2										p.v.c.c	1	1, 2, 2, 1, 2, 2
00115	0.0.5		PLFY-P30NBMU-		00.000.0	04.000.0	00.0407.0	70.0	ELUL DEMAND OR 405 4	00.050.0	ELILL BEMAND	00 500 7	0/0 / 5/0			208/230V/1-	0.04/0.04/45	
OSU-5	SAC-5	0-4		type Ceiling cassette	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	(4-way airflow)												208/230V/1-		
OSU-6	SAC-6	3-1			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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
			PLFY-P30NBMU-	Ceiling cassette (4-way airflow)												208/230V/1-		
OSU-6	SAC-6		ER2	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		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6
				Ceiling cassette												200/2203//4		
OSU-6	SAC-6		PLFY-P30NBMU- ER2		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
	5,100			Ceiling cassette	,	.,			3,,070.1		222 22.77 (17)		1				1.5.5.5.7.70	
OSILO	0400		PLFY-P30NBMU-		30,000,0	34 000 0	90 0/67 0	70.0	ELILL DEMAND 20 405 4	20.050.0	EIIII DEMAND	20 500 7	3/9 / 5/9	777		208/230V/1-	0.64/0.64/45	1 2 2 4 5 2
OSU-6	SAC-6	D -4	ER2	type	30,000.0	34,000.0	80.0/67.0	70.0	FULL DEMAND 30,495.4	20,059.9	FULL DEMAND	∠0,000./	3/8 / 5/8	777		phase	0.64/0.64/15	1, 2, 3, 4, 5, 6

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

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

ELE	ELECTRIC WALL HEATER PERFORMANCE SCHEDULE													
TAG	TAG OUTPUT FLOW RATE (FT.WG) AIRFLOW ROWS ROWS MTG. HT. ELECTRICAL REQUIREMENTS BASIS OF DESIGN QMark HP AMPS V/PH/HZ SERVICE ARRANGEMENT MOD													
IAG	(KW)	(GPM)	(FT.WG)	(CFM)	ROWS		HP	AMPS	V/PH/HZ	SERVICE	ARRANGEMENT	MODEL		
-	-	-	ı	-	-	-	-	ı	ı	ı	-	-		
WH	2.0	-	1	80	-	8"	-	9.6	208/1/60	STAIRS, VESTIBULE	WALL-MOUNTED	CWH12Ø8DSAG		
-	-	_	-	-	-	_	-	-	-	-	-	-		

General Notes

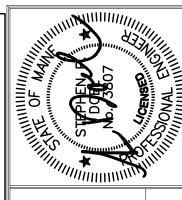
1. See the Mechanical Specifications and associated Appendices

for additional equipment schedules and information.

AIR	DEVI	CE P	ERFOR	RMANC	CE SCH	HEDULE	= = =
† \\C	PANEL	NECK	AIRFLOW	SP.LOSS			

TAG	PANEL	NECK	AIRFLOW	SPLOSS	DSS THROW(L) THROW(S)		No	BASIS OF DESIGN (F) FANTECH, PRICE					
IAG	SIZE(IN)	SIZE(IN)	(CFM)	(IN.WG.)	1 HICOW(L /	THROW(3)	NO	DUCT CONN.(IN)	PATTERN	MODEL			
	24×24	6x6	150	0.05	-	-	25	SEE DWGS	SEE DWGS	AMX-3AL			
B	24×24	9x9	35Ø	0.05	-	-	3Ø	SEE DWGS	SEE DWGS	AMX-3AL			
(c)	24×24	12×12	500	0.05	-	-	3Ø	SEE DWGS	SEE DWGS	AMX-3AL			
D	24×24	15×15	7ØØ	0.05	-	-	3Ø	SEE DWGS	SEE DWGS	AMX-3AL			
F _{m/s}	24x24	6" / 8"¢	125/300	0.07	-	_	-	SEE DWGS	SEE DWGS	PPD2 (m / s)			
H	-	30×12	1350	0.05	-	-	23	SEE DWGS	DRUM DIFFUSER	AHCD2D			
	-	8"¢	22Ø	0.05	-	_	18	SEE DWGS	ADJUSTABLE	(F) RHV			
	-	8x8	100	0.05	-	-	3Ø	SEE DWGS	1/2", 45^	60DAL			
BB	-	12×12	400	0.05	-	-	3Ø	SEE DWGS	1/2", 45^	60DAL			
(CC)	-	16×16	600	0.05	-	-	3Ø	SEE DWGS	1/2", 45^	60DAL			
(DD)	-	22×22	1200	0.05	-	-	3Ø	SEE DWGS	1/2", 45^	60DAL			
ŒΕ	-	144×24	4000	Ø . Ø5	-	-	-	SEE DWGS	1/2", 45^	* 6355			
(FF)	-	24×16	-	-	-	-	25	SEE DWGS	1/2", 45^	60DAL			
GG	-	32×16	800	0.05	-	-	25	SEE DWGS	1/2", 45^	60DAL			
	-	46×22	2500	0.05	-	-	3Ø	SEE DWGS	1/2", 45^	60DAL			

* Multi-split louvered with visible mullion. See Architectural Drawings.





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MECHANICAL DETAIL