	MITSUB	ISHI		Submi	ttal Data: F	PUMY-P60NKI	MU4		
He	eating and Co	oling			Air Source H	eat Pump System			
Job N	ame:			Location:					
Purch	aser:			Submitted By	y:				
Subm	itted To:			Reference:	Appro	val: Cons	truction:		
Engin	eer:			Date:		Application:			
					tdoor unit with varial	ole refrigerant flow (VRF) zor	ning technology		
K				Uses CITY MULT	variable speed compr I indoor units and Cor	ntrol Network			
				•		Jnits with Branch Box			
	Images	provided for reference pu	urposes only		an heater (Part # liste	a below) Ivailable as an option <sup>7, 8</sup>			
Dorfor	mance:	,	,	• Low ambient cod	oning down to -40 C a	ivaliable as all option			
Power						ı	1-phase 208/230 V, 60 H	7	
Indoor						Non-Ducted	Mixed	Ducted	
	Capacity Rate	d ¹			Btu/h	60,000	60,000	60,000	
Cooling	Rated power of				W	4,515	5,045	5,660	
ŭ	Current input				A	21.9/19.8	24.5/22.2	27.5/24.9	
50	Capacity Rate				Btu/h	66,000	66,000	66,000	
ting	Capacity Max.				Btu/h Btu/h	65,000 46,500	65,000 46,500	65,000 46,500	
Heating		Capacity Max. 5°F Rated power consumption 47°F 1				4,720	5,160	5,690	
_	Current input				W A	22.9/20.7	25.1/22.7	27.7/25.0	
Breake	r cizo	,			•	40 A - Wh	en power is supplied sepa	rately	
DIEake	1 3126					50 A - When po	wer is supplied from the o	outdoor unit	
Minimu	um wire size								
			Total canacity				13.3(6AWG) - When power is supplied from the outdoor unit		
Indoor	unit connectable		Total capacity		CITY MULTI	50 (	50 to 130% of outdoor unit capacity 04 - 72 /12		
iiiuooi	unit connectable		Model/Quantity	3	Branch box		06 - 36 / 8		
Sound	pressure level (m	easured in anec	hoic room)		dB <a></a>	58/59			
Dofrigo	rant piping diam	otor	Liquid pipe		inch (mm)	3/8 (ø9.52)			
Reffige	rant piping diam		Gas pipe		inch (mm)		3/4 (ø19.05)		
		Type × Quanti	ity		24		Propeller fan × 2		
Fan		Airflow rate			m³/min	138 4,879			
rdii		Control Drivin	ng mechanism		cfm	DC control			
		Motor output	_		kW		0.200 × 2		
		Type × Quantity			Scroll hermetic compressor x 1				
Compressor  External finish		Manufacture				Mitsubishi Electric Corporation			
		Starting meth				Inverter			
		Motor output			kW	3.9 FVC68D 78oz. (2.3L)			
		Lubricant				Galvanized Steel Sheet <munsell 1.1="" 3y="" 7.8=""></munsell>			
				mm	1,338 × 1,050 × 330 (+25)				
Externa	dimension HxWxD			inch	52-11/16 × 41-11/32 × 13 (+1)				
		High pressure	protection		•		High pressure switch	,	
Protect	tion devices	Inverter circui	verter circuit (COMP./FAN)  Overcurrent detection, Overheat detecti		ion, Overheat detection (I	Heat sink thermistor)			
		Compressor p		Compressor thermo, Overcurrent detectio Overheating/Voltage protection					
		Fan motor pro				0\	<u> </u>		
Refrige	rant	Type × origina Control	ii ciiaige				<u> </u>	10A 11 lbs. 4 oz. (5.1kg)	
Net we	ight	control			Linear Expansion Valve  Ib (kg) 300 (136)				
	changer				. ( 6/		Cross fin and tube		
HIC circ	cuit (HIC: Heat Int	er-Changer)					HIC circuit		
Operat	ing Temperature	Range			ooling)		3 to 115°F [ D.B5 to 46°C		
	0 - 1	- 0-		•	eating) ER2		313 to 70°F [D.B25 to 2		
AHRI R	atings				EER2	13.3 11.95 10.6 20 18.5 17			
Non-Du	ucted/ Mixed/ Du	icted	ted		(Region IV / V)	10.5 / 8.65	9.75 / 8.05	9.00 / 7.45	
Outdoor Heating II Outdoor 2 Conditi Outdoor 3 It cann 4 D.B. 5 t However 5 50 to 1	: D.B. 95°F [D.B. 35.0° ndoor : D.B. 70°F [D. : D.B. 47°F/W.B. 43°F ions Heating II : D.B. 17°F/W.B. 15°F ot be connected mixed to 115°F [D.B15 to 44°, this condition does r 15°F (10 to 46°C) D.B.:	C] B. 21.1°C] [D.B. 8.3°C/W.B. 6.1° Idoor : D.B. 70°F [E] [D.B8.3°C/W.B9.1 G ITY MULTI indoor: 6°C], when an option tot apply to the indoo When connecting Pk	D.B. 21.1°C] 4°C] unit and branch box inc al Air Outlet Guide is in or units listed in #5.	door unit. stalled. J, PFFY-P06/08/12NE		2NRMU type indoor unit.			
	-	-			tor. Heating operation is	not permitted.			
0 Faulan	Ambient Coeling one	making dia anthony	2 44 must be stone	i anitian ON maritim		ble besting made			

Note: Refer to the indoor unit's service manual for the indoor units specification.



## **Submittal Data: PUMY-P60NKMU4**

Piping			
Liquid Pipe Size O.D. (Flared)	In.[mm]	3/8 [9.52]	
Gas Pipe Size O.D. (Flared)	In.[mm]	3/4 [19.05]	
Total Piping Length when using Branch Box	Ft. [m]	492 [150]	
Total Piping Length without Branch Box	Ft. [m]	492 [150]	
Maximum Height Difference <sup>*A</sup> , ODU above IDU	Ft. [m]	164 [50]	
Maximum Height Difference <sup>*A</sup> , ODU below IDU	Ft. [m]	131 [40]	
Maximum Height Difference*A, between branch boxes	Ft. [m]	49 [15]	
Maximum Height Difference between IDU and IDU withoutbranch box	Ft. [m]	49 [15]	
Maximum Piping Length between ODU and Branch Box	Ft. [m]	180 [55]	
Farthest Piping Length from ODU to IDU with Branch Box	Ft. [m]	262 [80]	
Farthest Piping Length from ODU to IDU without Branch Box	Ft. [m]	262 [80]	
Farthest Piping Length after Branch Box	Ft. [m]	82 [25]	
Total Piping Length between Branch Boxes and IDU	Ft. [m]	311 [95]	
Maximum Number of Bends for IDU	Ft. [m]	15	

\*A Branch box should be placed within the level between the outdoor unit and indoor units.

al Accessories	Description	Model No.	
	3 Port Branch Box	PAC-MKA32BC	
Branch Box	3 Port Branch Box	PAC-MKA33BC	
	5 Port Branch Box	PAC-MKA52BC	
	5 Port Branch Box	PAC-MKA53BC	
Branch Joint	T-Branch	CMY-Y62-G-E	
Header	4 Branch	CMY-Y64-G-E	
Headel	8 Branch	CMY-Y68-G-E	
Centralized Drain Pan	Central Drain Pan	PAC-SH97DP-E	
Control/Service Tool	Maintenance Tool Interface	PAC-USCMS-MN-1	
Dictribution pine	Brazed Connection	MSDD-50BR-E	
Distribution pipe	Flare Connection	MSDD-50AR-E	
Drain Socket	Drain Socket	PAC-SG60DS-E	
Optional Defrost Heater	Optional Defrost Heater	PAC-SJ20BH-E	
	Adaptor: 1/2" x 3/8"	MAC-A455JP-E	
Dort Adoptor	Adaptor: 1/2" x 5/8"	MAC-A456JP-E	
Port Adapter	Adaptor: 3/8" x 1/2"	MAC-A454JP-E	
	Adaptor: 3/8" x 5/8"	PAC-SG76RJ-E	
Snow/Wind Guard	Front	CM-S-FR-NKMU (two pieces are required)	
Snow/Wind Guard	Rear	SG-1-RE	
Snow/Wind Guard	Side	SG-1-SD	
Snow/Wind Guard	Blocker	CM-S-BLK-NKMU	

Note: Mitsubishi Electric (MESCA) supports the use of only MESCA supplied and approved Snow Guard / Wind Deflectors / Windscreens and accessories for proper functioning of the unit(s). Use of non-MESCA supported Snow Guard / Wind Deflectors / Windscreens and accessories will affect warranty coverage.

"Should this document be altered or changed without MESCA's permission, it becomes null and void. MESCA assumes no responsibility for any consequences in such cases"
All electrical work shall comply with National (CEC) and local codes and regulations.

Notes:

Form No. SB\_PUMY-P60NKMU4\_202402a