

Capacity data at conditions and connection ratio (102) as entered

Name	FCU	Cooling						
		Tmp C	Max TC	Tevap °F	Max S			
		°F (DBT/RH)	BTU/h		BTU/h			
UV-MS-28 box 1	EKEXV125-US	n/a	52,547	42.8	n/a			
UV-MS-29 box 1	EKEXV125-US	n/a	52,547	42.8	n/a			
UV-MS-30 box 1	EKEXV125-US	n/a	52,547	42.8	n/a			
UV-MS-31 box 1	EKEXV125-US	n/a	52,547	42.8	n/a			
UV-MS-32 box 1	EKEXV125-US	n/a	52,547	42.8	n/a			
UV-MS-6 box 1	EKEXV125-US	n/a	52,547	42.8	n/a			

Name	FCU	Heating		
		Tmp H	Max HC	
		°F	BTU/h	
UV-MS-28 box 1	EKEXV125-US	n/a	n/a	
UV-MS-29 box 1	EKEXV125-US	n/a	n/a	
UV-MS-30 box 1	EKEXV125-US	n/a	n/a	
UV-MS-31 box 1	EKEXV125-US	n/a	n/a	
UV-MS-32 box 1	EKEXV125-US	n/a	n/a	
UV-MS-6 box 1	EKEXV125-US	n/a	n/a	

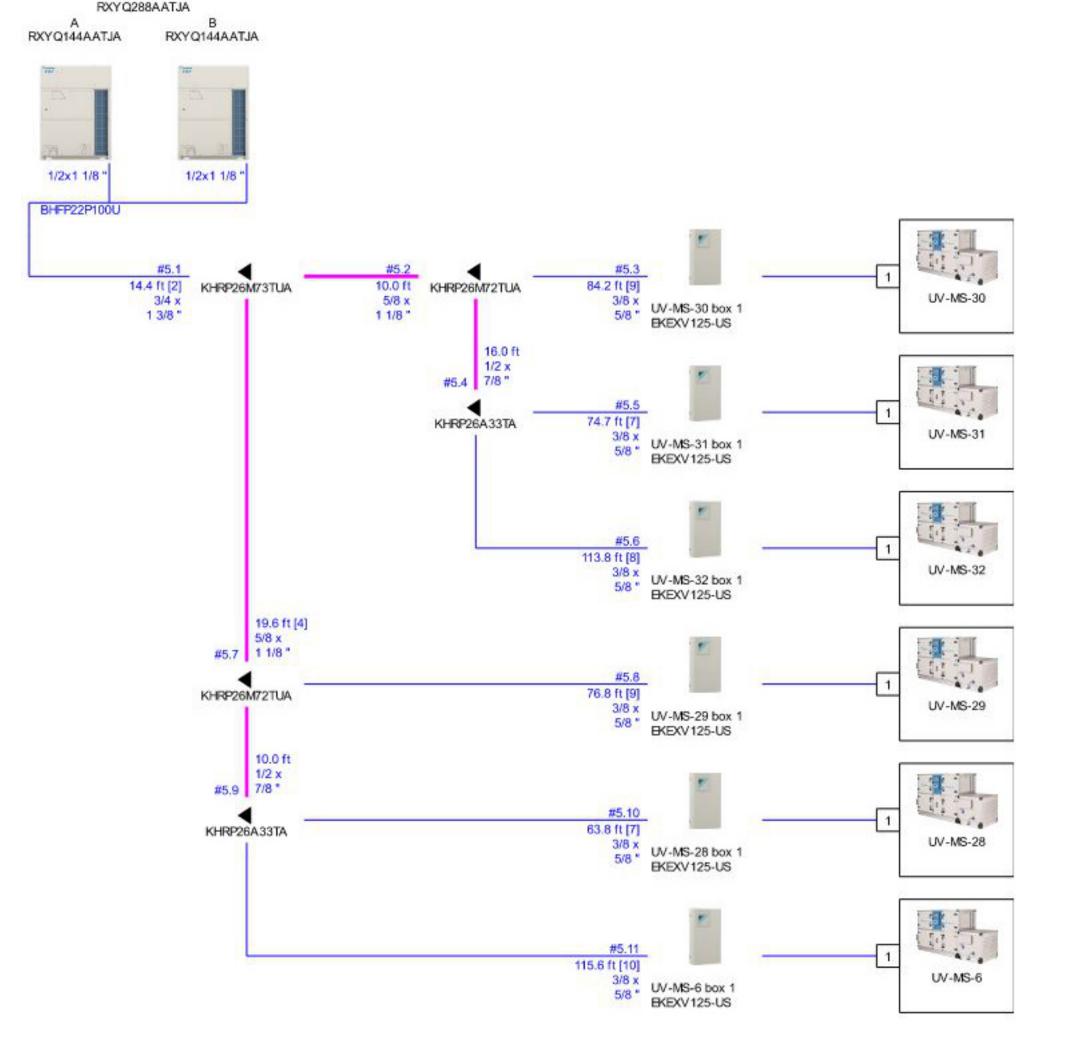
Name	FCU	Room	Sound	PS	MCA	MOP	WxHxD	Weight
300000000			dBA		Α		inch	lbs
UV-MS-28 box 1	EKEXV125-US		***	12 1ph			8.5 x 15.8 x 3.1	6.4
UV-MS-29 box 1	EKEXV125-US		829	12 1ph			8.5 x 15.8 x 3.1	6.4
UV-MS-30 box 1	EKEXV125-US		1 3 E	12 1ph		2)	8.5 x 15.8 x 3.1	6.4
UV-MS-31 box 1	EKEXV125-US		1 2	12 1ph			8.5 x 15.8 x 3.1	6.4
UV-MS-32 box 1	EKEXV125-US		1 10 - 24	12 1ph		2	8.5 x 15.8 x 3.1	6.4
UV-MS-6 box 1	EKEXV125-US		S-55	12 1ph			8.5 x 15.8 x 3.1	6.4

Model	Quantity	Description		
RXYQ144AATJA	2	VRV EMERION (208-230V) (VRV EMERION (208-230V))		
EKEXV125-US	6	AHU INTEGRATION VALVE KIT		
KHRP26A33TA	2	Refnet branch piping kit		
KHRP26M72TUA	2	Refnet branch piping kit		
KHRP26M73TUA	1	Refnet branch piping kit		
BHFP22P100U	1	Outdoor Multi Connection Pipe Kit - VRV P Series HP (Obsolete)		
BRC1E73	6	new Navigation Remote Controller		
EKEQMCBAV3-US	6	AHU Kit Z-Control box		

Piping	Liquid	Suction	Total ft	
	ft	ft		
3/8"	528.9	0.0	528.9	
1/2"	26.0	0.0	26.0	
5/8"	29.6	528.9	558.5	
3/4"	14.4	0.0	14.4	
1"	0.0	26.0	26.0	
1 1/4"	0.0	29.6	29.6	
1 3/8"	0.0	14.4	14.4	

Refrigerant information

Refrigerant type	GWP	Base charge lbs	Extra charge lbs	Total refrigerant charge lbs	Total CO2 equivalent tonnes
R410A	2087.5	51.59	35.78*)	87.36	82.72



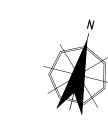
Outdoor unit placed 25.0ft above the indoor units.

	REFERENCE	DRAW	'INGS		
TRADE	DESCRIPT	DATE	REV		
MECH PIPE	-	-	-		
MECH DETAILS	-			-	-
HVAC	-			-	-
PLUMBING	-			-	-
ELECTRICAL	-			-	-
STRUCTURAL	-			-	-
ARCHITECTURAL				-	-
RCP				-	-
RE	CORD OF TRADE	E COO	RDINA	ATION	
TRADE	COMPANY	DATE	AUTHOR	RIZED SIGN	ATURE
PIPE FITTER					
SHEET METAL					
PLUMBER					
SPRINKLER					
ELECTRICIAN					
MECHANICAL CONT					
GENERAL CONT					
ENGINEER					
	COORDINAT	ION N	OTE		
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P	ARCHITECT / ENG	SINEE	R NOT	ES:	

FOR APPROVAL VERIFY THAT LINE ABOVE IS 1" LONG, PRINT MAY HAVE BEEN REDUCED
 REV
 DATE
 DESCRIPTION

 0
 01/18/2024
 SUBMITTED FOR APPROVAL

 1
 01/22/2024
 DAIKIN VRF & MATERIALS ADDED
 KEY PLAN



KSQ Design Sage Engineering Associates Barr Middle School 50 Blauvelt Rd #1 Nanuet, NY 10954 REFRIGERANT LENGTHS
OVERALL DIAGRAM

MC PRO MGT MM JOB NO | SCALE | DWG NO | REV | MP-HP-MS-7 | 1 |