

HEATING & VENTILATING UNITS							
Mark		HV-1					
Service		Basement, 1/F					
Location		Roof					
Supply Fan	Supply Fan Air Flow - L/s (cfm)	3,210	6,800				
	Supply Fan External S.P. - Pa (in w.g.)	375	1.50				
	Supply Fan Size/Type						
	Supply Fan RPM						
	Supply Fan BHP Horsepower		7.5				
Return Fan	Return Fan Air Flow - L/s (cfm)	2,502	5,300				
	Return Fan External S.P. - Pa (in w.g.)	187.5	0.75				
	Return Fan Size/Type						
	Return Fan RPM						
	Return Fan Horsepower		5				
DX Cooling Coil	Rows Fins per Inch	3	14				
	Air Flow - L/s (cfm)	3,210	6,800				
	Face Area - m ² (sq. ft)	1.84	19.9				
	Face Velocity - m ² /s (FPM)	29	342				
	Air P.D. - Pa (in w.g.)	340	1.36				
	Ent. Air Dry Bulb °C (°F)	24.2	75.6				
	Ent. Air Wet Bulb °C (°F)	17.0	62.6				
	DX Coil Lvg. Air Dry Bulb °C (°F)	11.6	52.8				
	DX Coil Lvg. Air Wet Bulb °C (°F)	11.5	52.8				
	Unit Lvg. Air Dry Bulb °C (°F)	12.7	54.9				
	Unit Lvg. Air Wet Bulb °C (°F)	12.5	54.5				
	Total Capacity - kW (MBH)	68.6	234.0				
	Sensible Capacity - kW (MBH)	48.5	165.6				
Heating Coil	Rows Fins per Inch	1	6				
	Air Flow - L/s (cfm)	3,210	6,800				
	Face Area - m ² (sq. ft)	1.21	13.1				
	Face Velocity - m ² /s (FPM)	44	521				
	Air P.D. - Pa (in w.g.)	13	0.05				
	Ent. Air Temp °C (°F)	19.2	66.5				
	Lvg. Air Dry Bulb °C (°F)	31.6	88.8				
	Capacity - kW (MBH)	48.2	164.5				
	Ent. Water Temp °C (°F)	57.2	135.0				
	Lvg. Water Wet Bulb °C (°F)	48.9	120.0				
	Water Flow - L/s (gpm)	1.58	25.0				
	Water P.D. - kPa (ft.)	0.2	0.05				
Condensing Unit	Mark	See Note 6					
	Refrigerant	R-410A					
	Ambient Temp °C (°F)	35.0	95.0				
	Condenser Fan - Qty	3					
	Compressor - Qty	2					
	EER Under Design Condition	10.1					
	Electrical - FLA MCA MOCP						
	Power	Included in AHU					
	Weight - kg (lbs.)						
Power		575/3/60					
Minimum Circuit Ampacity		41					

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Minimum Outdoor Air (cfm)	779	1,650				
Height - mm (in)	1524	60				
Width - mm (in)	1524	60				
Length - mm (in)	3988	157				
Weight - kg (lbs.)	1,517	3,345				
Notes	See Below					

Refer to Specification for accessories not scheduled. Refer to drawings for installation details.
Static pressures noted are external to the unit. Fan total pressure to include all cabinet effects as well as an allowance of 75 Pa (0.5" w.g.) for dirty filters for each filter bank. Motors to be sized so normal operating load is not more than 90% of rated motor capacity.

1. Complete with VFD at supply and return fans
2. Minimum coil tube thickness shall be 0.025".
3. Furnished with seismic roof curb.
4. Provide OA intake and relief air hoods.
5. Heating coil fluid: 50% propylene glycol.
6. Unit shall be complete with condensing section on the same unit frame; single point power connection.