

Job Name : _____
Location: _____
Engineer: _____
Submitted By: _____
Submitted To: _____

Submitted For:
Reference

Approval
Construction

Date: _____



PRODUCT SIZE & OPTIONS

18,000 BTU, 1 ½ - Ton 36,000 BTU, 3 - Ton
 24,000 BTU, 2 - Ton 48,000 BTU, 4 - Ton
 30,000 BTU, 2 ½ - Ton 55,000 BTU, 5 - Ton
 4-Way Installation (Left/Right/Up/Down)
 Auxiliary Heat Kit

MODEL & TYPE

Cold Climate Air Source Heat Pump
 Indoor Air Handler with A-Coil
 Indoor A-Coil
 Outdoor Condensing Unit
 R410A Refrigerant

WARRANTIES



CERTIFICATIONS



AHRI Reference #:
216683748

PERFORMANCE & EFFICIENCY

Outdoor Model Indoor Model			MHSD118DACFC MHAH118DACFC	MHSD124DACFC MHAH124DACFC	MHSD130DACFC MHAH130DACFC	MHSD136DACFC MHAH136DACFC	MHSD148DACFC MHAH148DACFC	MHSD160DACFC MHAH160DACFC
Power Supply		V,ph,Hz	208V / 230V, 1Ph, 60 Hz					
Cooling	Capacity	Btu/h	18000	24000	30000	36000	47000	55000
	EER2		12.4	11.7	10	10	8.2	8.8
	SEER2		18	17.4	16.2	16	15.6	15.3
Rated Heating	Capacity at 47°F (8.3°C) (H1)	Btu/h	19000	24000	33000	40000	50000	59000
	COP		2.04	1.91	1.80	1.97	1.90	1.91
	HSPF2		9.3	10	8.9	9.5	9.4	9.4
Heating at 5°F (-15°C)	Rated Capacity	Btu/h	16500	22600	24000	34400	46000	48500
Indoor Air Flow (Hi/Mi/Lo)	m3/h		980/900/830	1290/1180/1070	1520/1370/1210	1840/1650/1470	2180/1860/1540	2690/2310/1930
	CFM		576/529/488	758/694/629	894/805/711	1082/970/864	1282/1094/905	1582/1358/1135
Indoor Noise Level (Hi/Mi/Lo)	dB(A)		34/31/30	39/36/33	42/40.5/36.5	45/43/41	50/47/43.5	51/45.5/41.5

NOTES

SPECIFICATIONS

Outdoor Model Indoor Model			MHSD118DACFC MHAH118DACFC	MHSD124DACFC MHAH124DACFC	MHSD130DACFC MHAH130DACFC	MHSD136DACFC MHAH136DACFC	MHSD148DACFC MHAH148DACFC	MHSD160DACFC MHAH160DACFC
Refrigerant type 410A charge	oz		81.13	102.32	134.04	165.79	169.31	169.31
Design Pressure	psig		550/340	550/340	550/340	550/340	550/340	550/340
Refrigerant Precharge (total pipe length)	ft / m		25	25	25	25	25	25
Additional charge for each ft	oz / ft		0.69	0.69	0.69	0.69	0.69	0.69
Refrigerant Piping	Liquid side/ Gas side Flare Connections	inch	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 3/4	3/8 / 7/8
		mm	9.52 / 19	9.52 / 19	9.52 / 19	9.52 / 19	9.52 / 19	9.52 / 22
	Max. pipe length	ft / m	98.42 / 30	164.04 / 50	164.04 / 50	213.25 / 65	213.25 / 65	213.25 / 65
	Max. difference in height	ft / m	65.62 / 20	82.02 / 25	82.02 / 25	98.42 / 30	98.42 / 30	98.42 / 30
Minimum Circuit Ampacity (Outdoor)		A	16	20.5	23	41	42	42
Maximum Time Delay Fuse/Harc Breaker		A	20	35	35	50	50	60
Operating Temperature Range	Indoor (Cooling/ Heating)	°C	16~32 / 0~30	16~32 / 0~30	16~32 / 0~30	16~32 / 0~30	16~32 / 0~30	16~32 / 0~30
		°F	60~90 / 32~86	60~90 / 32~86	60~90 / 32~86	60~90 / 32~86	60~90 / 32~86	60~90 / 32~86
	Outdoor (Cooling/ Heating)	°C	-15~50 / -30~24	-15~50 / -30~24	-15~50 / -30~24	-15~50 / -30~24	-15~50 / -30~24	-15~50 / -30~24
		°F	5~122 / -22~75	5~122 / -22~75	5~122 / -22~75	5~122 / -22~75	5~122 / -22~75	5~122 / -22~75

DIMENSIONS & CLEARANCES

Outdoor Model Indoor Model			MHSD118DACFC MHAH118DACFC	MHSD124DACFC MHAH124DACFC	MHSD130DACFC MHAH130DACFC	MHSD136DACFC MHAH136DACFC	MHSD148DACFC MHAH148DACFC	MHSD160DACFC MHAH160DACFC
Indoor Unit	Dimensions (WxDxH)	inches	21.02x17.52x45.00	21.02x17.52x45.00	21.02x21.02x49.02	21.02x21.02x49.02	21.02x21.02x49.02	21.02x24.49x52.99
		mm	534x445x1143	534x445x1143	534x534x1245	534x534x1245	534x534x1245	534x622x1346
	Gross Weight	kg / lb	58.7/129.41	57.8/127.43	70.6/155.64	70.6/155.64	70.9/156.31	87.5/192.90
Outdoor Unit	Dimensions (WxDxH)	inches	35.04x13.46x26.50	37.24x16.14x31.89	37.24x16.14x31.89	37.48x16.34x52.48	37.48x16.34x52.48	37.48x16.34x52.48
		mm	890x342x673	946x410x810	946x410x810	952x415x1333	952x415x1333	952x415x1333
	Gross Weight	kg / lb	49.8/109.79	66/145.50	77/169.75	116/255.73	112.9/248.90	123.2/271.61

