Attribute Group	Attribute Name	Attribute Unit	24-B 18K	24-A 24K	24-B 24K	36-B 30K	36-C 30K	36-B 36K X6	36-C 36K X6	36-B 36K	36-C 36K	48-C 48K	60-D 60K
BasicInformation	Product Number												
	Indoor Product Number		22023111000510	22023111000670	22023111000510	22023111000493	22023111000690	22023111000690	22023111000493	22023111000690	22023111000493	22023111000492	22023111000491
	Outdoor Product Number		22023116000162	22023116000161	22023116000161	22023116000163	22023116000163	22023116000501	22023116000501	22023116000164	22023116000164	22023116000141	22023116000281
	Indoor Market Model		DLFULAH24XBX	DLFULAH24XAX	DLFULAH24XBX	DLFULAH36XCX	DLFULAH36XBX	DLFULAH36XBX	DLFULAH36XCX	DLFULAH36XBX	DLFULAH36XCX	DLFULAH48XCX	DLFULAH60XDX
	Outdoor Market Model		DLCURAH18ABK	DLCURAH24ABK	DLCURAH24ABK	DLCURAH30ABK	DLCURAH30ABK	DLCURAH36ACK	DLCURAH36ACK	DLCURAH36ABK	DLCURAH36ABK	DLCURAH48ABK	DLCURAH60ABK
	Country/Area		United States	United States	United States	United States	United States	United States	United States	United States	United States	United States	United States
	Configuration Code												
BasicParameter	IDU Power Supply(Volts; Hz; Phase)		24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph	24V,60Hz,1Ph
	ODU Power Supply(Volts; Hz; Phase)		208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph	208/230,60Hz,1Ph
NationalCertification	Cooling Capacity	Btu/h	18000(9600~22000)	24000(9900~27000)	24000(10000~28400)	29,000(13,000~33,000)	30000(9900~35000)	29000	35000	35000(11700~40000)	35000(11700~40000)	46000(12300~47000)	53000(13400~54000)
	Cooling Input	W	1538(450~2100)	2240(380~2700)	2247(380~2600)	2900(1760~3780)	2855(660~3720)	/	/	3500(800~5000)	3500(800~5000)	5400(560~5720)	6162(870~6100)
	Cooling Current	A	7.0(2.2~8.22)	9.0(2.58~10.8)	9.43(2.33~10.68)	12.6(7.65~16.43)	11.1(3.10~14.4)	/	/	14.8(3.5~21)	14.8(3.5~21)	22.5(2.4~25.3)	26.80(3.78~26.52)
	SEER2	Btu/h/W	11.7	10.7	10.7	10	10.5	10	10	10	10	8.6	8.6
	EER2	Btu/h/W	16.1	16.1	16.5	15.2	15.5	15.2	15.2	15.5	15.2	14.3	14.5
	Cooling Capacity Range	Btu/h											
	Cooling Input (range)	W											
	Cooling Current(range)	A											
	Heating Capacity	Btu/h	19000(6000~23600)	25000(9000~34000)	25000(9600~33400)	31000(8,000~34,000)	33000(9000~37000)	31000	36000	38000(9200~50000)	39000(9200~50000)	51000(15000~59000)	55000(10800~60000)
	Heating Input	W	1610(470~2200)	2207(500~3260)	2233(510~3160)	2860(680~4200)	2845(640~3300)	/	/	3600(800~5000)	3600(800~5000)	5020(800~6200)	5373(840~6380)
	Heating Current	A	8.5(2.4~9.6)	8.7(2.15~13.2)	9.30(3.01~12.92)	14.43(2.96~18.26)	11.0(3.00~13)	/	/	15.65(3.5~21)	15.65(3.5~21)	21.5(4~25.5)	24.60(3.65~27.70)
	HSPF2-4	Btu/h/W	9.5	9.8	9.5	8.5	9.7	8.5	8.5	8.6	10	9	8.6
	HSPF2-5	Btu/h/W	7.8	7.8	7.7	6.6	7.7	6.6	6.6	7	8	7.5	7.1
	COP	W/W	3.46	3.32	3.28	3.18	3.4	/	/	3.18	3.18	2.98	3
	Heating Capacity Range	Btu/h											
	Heating Input(range)	W											
	Heating Current(range)	A											
	Heating(H32) Rated capacity	Btu/h	14700	22400	21000	19600	22600	19600	27000	27400	33000	32000	37000
	Heating(H32) COP	W/W	2.59	2.42	2.58	2.12	2.62	2.12	2	7.2	2.4	2.3	2.25
	Heating(H42) Rated capacity	Btu/h	15000	20000	20000	25,000	27000	22600	30000	31600	32000	40000	46500
	Heating(H42) COP	W/W	2.2	2	1.95	1.8	1.85	1.8	1.8	1.85	2	1.8	1.8
	Cooling Capacity at 109 F (43°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Cooling Capacity at 5F (-15°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Heating Capacity at 17F (-8.33°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Heating Capacity at 5F(-15°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Heating Capacity at -4F (-20°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Heating Capacity at -13F (-25°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Heating Capacity at -22F (-30°C)	Btu/h	/	/	/	/	/	/	/	/	/	/	/
	Moisture removal	kg/h	/	/	/	/	/	/	/	/	/	/	/
	Indoor MINIMUM CIRCUIT AMPACITY	A	/	/	/	/	/	/	/	/	/	/	/
	Indoor MAX.FUSE	A	/	/	/	/	/	/	/	/	/	/	/
	Outdoor MINIMUM CIRCUIT AMPACITY	A	16	20	20	23	23	23	30	30	30	40	40
	Outdoor MAX.FUSE	A	20	35	35	35	35	35	35	50	50	50	50
	S1 S2 Communication Wiring		AWG 20/2	AWG 20/2	AWG 20/2	AWG 20/2	AWG 20/2	AWG 20-2	AWG 20-2	AWG 20-2	AWG 20/2	AWG 20/2	AWG 20-2
	Indoor Indoor fan motor RLA	A	/	/	/	/	/	/	/	/	/	/	/
	Outdoor Outdoor fan motor RLA	A	1	1.35	1.35	1.35	1.35	1.35	2.5	1.2	1.2	1.2	1.2
	Outdoor Compressor Rated current(RLA)	A	10	15	15	16.5	16.5	16.5	21.5	32	32	33	26.2
	Outdoor Outdoor air flow	m^3/h	2175	5100	5100	5100	5100	5100	5160	7650	7650	7500	7650
	Outdoor Outdoor air flow	CFM	1279.41	3000	3000	3000	3000	3000	3035.29	4500	4500	4411.76	4500
	Outdoor noise level (Hi)	dB(A)	57	63.5	63.5	62	62	62	65	63	61	64	62
BasicParameter(NC)	N.A. Design pressure	PSI	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
	Outdoor Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Outdoor Refrigerant charge	kg	2.3	2.9	2.9	3.8	3.8	3.8	4	4.7	4.7	4.8	4.8
	Outdoor Refrigerant charge	oz	81.13	102.32	102.32	134.04	134.04	134	141	165.79	165.79	169.31	169.32
	Outdoor Additional charge per metre	g/m	65	65	65	65	65	65	65	65	65	65	65
	Outdoor Additional charge	oz/ft	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
	Outdoor Throttle type		EXV	EXV	EXV	EXV	EXV	EXV	EXV	EXV	EXV	EXV	EXV
	Liquid side	mm(inch)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)	3/8'' (9.52mm)
	Gas side	mm(inch)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	3/4'' (19mm)	7/8'' (22mm)
	Max. refrigerant pipe length	m	30	30	50	50	50	50	50	75	75	75	75
	Max. Piping Length	ft	98	98	164	164	164	164	164	246	246	246	246
	Max. difference in level	m	20	25	25	25	25	25	25	30	30	30	30
	Max. Height Difference	ft	66	82	82	82	82	82	82	98	98	98	98.4
	Room temperature_Indoor(cooling)	°C	16～32	16～32	16～32	16～32	16～32	16～32	16～32	16～32	16～32	16～32	16～32
	Room temperature_Outdoor(cooling)	°C	-30～50	-30～50	-30～50	-30～50	-30～50	-30～50	-30～50	-30～50	-30～50	-30～50	-30～50
	Room temperature_Indoor(heating)	°C	0～30	0～30	0～30	0～30	0～30	0～30	0～30	0～30	0～30	0～30	0～30
	Room temperature_Outdoor(heating)	°C	-30～24	-30～24	-30～24	-30～24	-30～24	-30～24	-30～24	-30～24	-30～24	-30～24	-30～24
	Indoor Operating Temp. Range(Cooling)	°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	Outdoor Operating Temp. Range(Cooling)	°F	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122	-22~122
	Indoor Operating Temp. Range(Heating)	°F	32-86	32-86	32-86	32-86	32-86	32-86	32-86	32-86	32-86	32-86	32-86
	Outdoor Operating Temp. Range(Heating)	°F	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75	-22~75
Size/Weight	Indoor Unit Net/Gross weight	kg	19.4/23.6	18.9/21.1	19.4/23.6	27.3/31.3	30.2/35	19.4/23.6	27.3/31.3	27.3/31.3	30.2/35	30.2/35	39.3/44.6
	Indoor Unit Net/Gross weight	lb	42.77/52.03	41.67/46.52	42.77/52.03	60.19/69.00	66.58/77.16	42.77/52.03	60.19/69.00	60.19/69.00	60.19/69.00	66.58/77.16	86.64/98.33
	Indoor Body Dimension W×D×H	mm	445 × 533 × 457	368 × 533 × 457	445 × 533 × 457	445 × 533 × 599	534 × 533 × 611	445 × 533 × 599	534 × 533 × 611	445 × 533 × 599	534 × 533 × 611	534 × 533 × 611	622 × 533 × 711
	Indoor Unit Dimension WxDxH	inch	17-1/2 x 21 x 18	14-1/2 x 21 x 18	17-1/2 x 21 x 18	17-1/2 x 21 x 23-1/2	21 x 21 x 24	17-1/2 x 21 x 23-1/2	21 x 21 x 24	17-1/2 x 21 x 23-1/2	21 x 21 x 24	21 x 21 x 24	24-1/2 x 21 x 28
	Indoor Item Package Dimension(W×D×H)	mm	520 × 665 × 530	445 × 645 × 525	520 × 665 × 530	520 × 665 × 670	610 × 665 × 685	520 × 665 × 670	610 × 665 × 685	520 × 665 × 670	610 × 665 × 685	610 × 665 × 685	705 × 665 × 770
	Indoor Package Dimension WxDxH	inch	20-1/2x 26-1/8 x 20-7/8	17-1/2 x 25-3/8 x 20-5/8	20-1/2x 26-1/8 x 20-7/8	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	20-1/2 x 26-1/8 x 26-3/8	27-3/4 x 26-1/8 x 30-3/8
	Outdoor Unit Net/Gross weight	kg	46.7/49.8	62/66	62/66	72.5/77	72.5/77	72.5/77	92.4/106.4	103/116	103/116	99.9/112.9	108.8/123.2
	Outdoor Unit Net/Gross weight	lb	102.95/109.79	136.69/145.50	136.69/145.50	159.83/169.75	159.83/169.75	159.83/169.75	203.71/234.57	227.07/255.73	227.07/255.73	220.24/248.90	239.86/271.61
	Outdoor Body Dimension W×D×H	mm	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	946 × 410 × 810	946 × 410 × 810	980 × 415 × 975	980 × 415 × 975	952 × 415 × 1333	952 × 415 × 1333	952 × 415 × 1333	952 × 415 × 1333
	Outdoor Unit Dimension WxDxH	inch	35 x 13-1/2 x 26-1/2	37-1/4 x 16-1/8 x 31-7/8	37-1/4 x 16-1/8 x 31-7/8	37-1/4 x 16-1/8 x 31-7/8	37-1/4 x 16-1/8 x 31-7/8	38-9/16 x 16-3/8 x 38-3/8	38-9/16 x 16-3/8 x 38-3/8	37-1/2 x 16-3/8 x 52-1/2	37-1/2 x 16-3/8 x 52-1/2	37-1/2 x 16-3/8 x 52-1/2	37-1/2 x 16-3/8 x 52-1/2
	Outdoor Item Package Dimension(W×D×H)	mm	995 × 398 × 740	1090 × 500 × 885	1090 × 500 × 885	1090 × 500 × 885	1090 × 500 × 885	1145 × 500 × 1080	1145 × 500 × 1080	1095 × 495 × 1480	1095 × 495 × 1480	1095 × 495 × 1480	1095 × 495 × 1480
	Outdoor Package Dimension WxDxH	inch	39-1/8 x 15-5/8 x 29-1/8	42-7/8 x 19-5/8 x 34-7/8	42-7/8 x 19-5/8 x 34-7/8	42-7/8 x 19-5/8 x 34-7/8	42-7/8 x 19-5/8 x 34-7/8	45-1/16 x 19-11/16 x 42-1/2	45-1/16 x 19-11/16 x 42-1/2	43-1/8 x 19-1/2 x 58-1/4	43-1/8 x 19-1/2 x 58-1/4	43-1/8 x 19-1/2 x 58-1/4	43-1/8 x 19-1/2 x 58-1/4
ElectricalMotor	Indoor Indoor Fan Motor Model		/	/	/	/	/	/	/	/	/	/	/
	Indoor Output	W	/	/	/	/	/	/	/	/	/	/	/
	Indoor Motor Speed(Hi/Mi/Lo)	r/min	/	/	/	/	/	/	/	/	/	/	/
OutdoorElectricalMotor	Outdoor Outdoor Fan Motor Model		ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-250-10-1	ZKFN-85-8-22-5	ZKFN-85-8-22-5	ZKFN-85-8-22-5	ZKFN-85-8-22-5
	Outdoor Outdoor Fan Motor Output	W	/	/	/	/	/	/	/	/	/	/	/
	Outdoor Outdoor Fan Motor Speed(Hi/Mid/Lo)	r/min	800/700/580	950/700/500/400	950/700/500/400	950/900/500	950/900/500	950/900/500	850/800/750/650/550	850/750/650	850/750/650	850/750/650	850/750/650
OutdoorElectricalMotor2	Outdoor Outdoor Fan Motor Model		/	/	/	/	/	/	/	/	/	/	/
	Outdoor Outdoor Fan Motor Output power2	W	/	/	/	/	/	/	/	/	/	/	/
	Outdoor Outdoor Fan Motor Speed(Hi/Mid/Lo)2	r/min	/	/	/	/	/	/	/	/	/	/	/
Compressor	Outdoor Compressor Type		Twin-ROTARY	Twin-ROTARY	Twin-ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Outdoor Compressor Model		KTM240D57UMT	KTM240D57UMT	KTM240D57UMT	KTF310D43UMT	KTF310D43UMT	KTF310D43UMT	EAPQ420D1UMUA	EAPQ420D1UMUA	EAPQ420D1UMUA	EAPQ420D1UMUA	EAPQ440D1UMUA
	Outdoor Compressor Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Outdoor Compressor Capacity	W	7740	7740	7740	10010	10010	10010	12900	12900	12900	12900	13580
	Outdoor Compressor Input Power	W	2085	2085	2085	2765	2765	2765	3565	3565	3565	3565	3770
	Outdoor Compressor Rated current	A	10	15	15	16.5	16.5	16.5	21.5	32	32	33	26.2
	Outdoor Refrigerant oil		VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG75
	Outdoor Refrigerant oil charge	mL	670	670	670	1000	1000	1000	1460	1460	1460	1460	1300
BasicParameter(Indoor/Outdoor)	Indoor Loading quantity 40'HQ	set	385	450	385	385	336	385	336	385	336	228	162
	Outdoor Loading quantity 40'HQ	set	198	138	138	138	138	138	96	48	48	48	48

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH24XBX/DLCURAH18ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	17-1/2 x 21 x 18
	mm	445 × 533 × 457
Package (W×D×H)	**inch**	20-1/2x 26-1/8 x 20-7/8
	mm	520 × 665 × 530
Net/Gross Weight	**lbs**	42.77/52.03
	kg	19.4/23.6

OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Compressor Model		KTM240D57UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1279.4
Outdoor Noise Level (dBA)		57
Dimension (W×D×H)	**inch**	35 x 13-1/2 x 26-1/2
	mm	890 × 342 × 673
Package (W×D×H)	**inch**	39-1/8 x 15-5/8 x 29-1/8
	mm	995 × 398 × 740
Net/Gross Weight	**lbs**	102.95/109.79
	kg	46.7/49.8

EFFICIENCY			
Cooling		**Heating**	
SEER2	11.7	**HSPF2-4**	9.50
EER2	16.1	**COP**	7.80

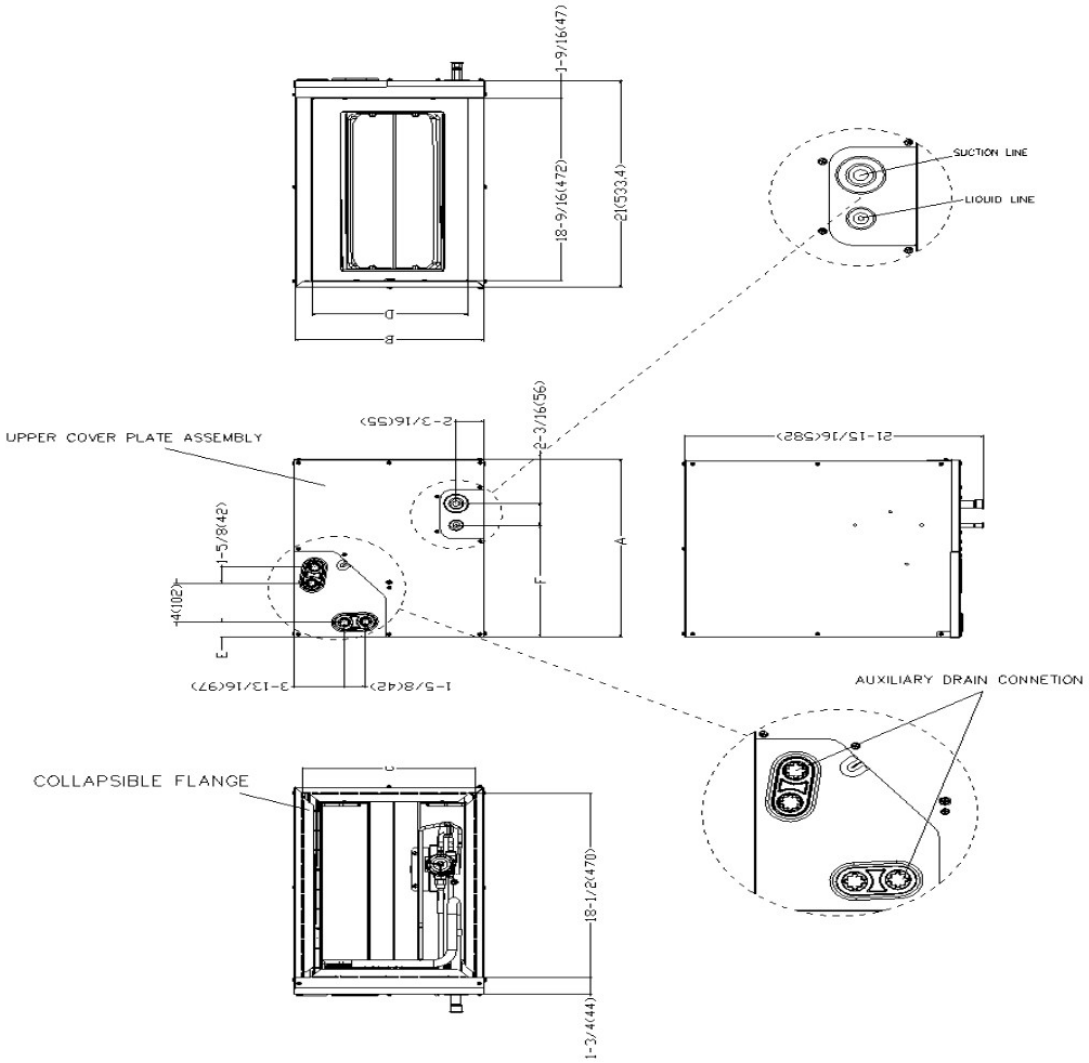
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	16
Outdoor MOP	20
Communication Wiring	AWG 20/2
Compressor RLA	10
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1538(450~2100) ( )
System Power Input @ Heating (W)	1610(470~2200) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000(9600~22000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	19000(6000~23600)
1. @ 47°F Min/Max Capacity	/
2. @ 17°F Rated	14700
3. @ 5°F Rated: Capacity / COP	15000/2.2
3. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	98 (30)
Max. Height Difference(ft/m)	66 (20)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	81.1302 (2.3)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

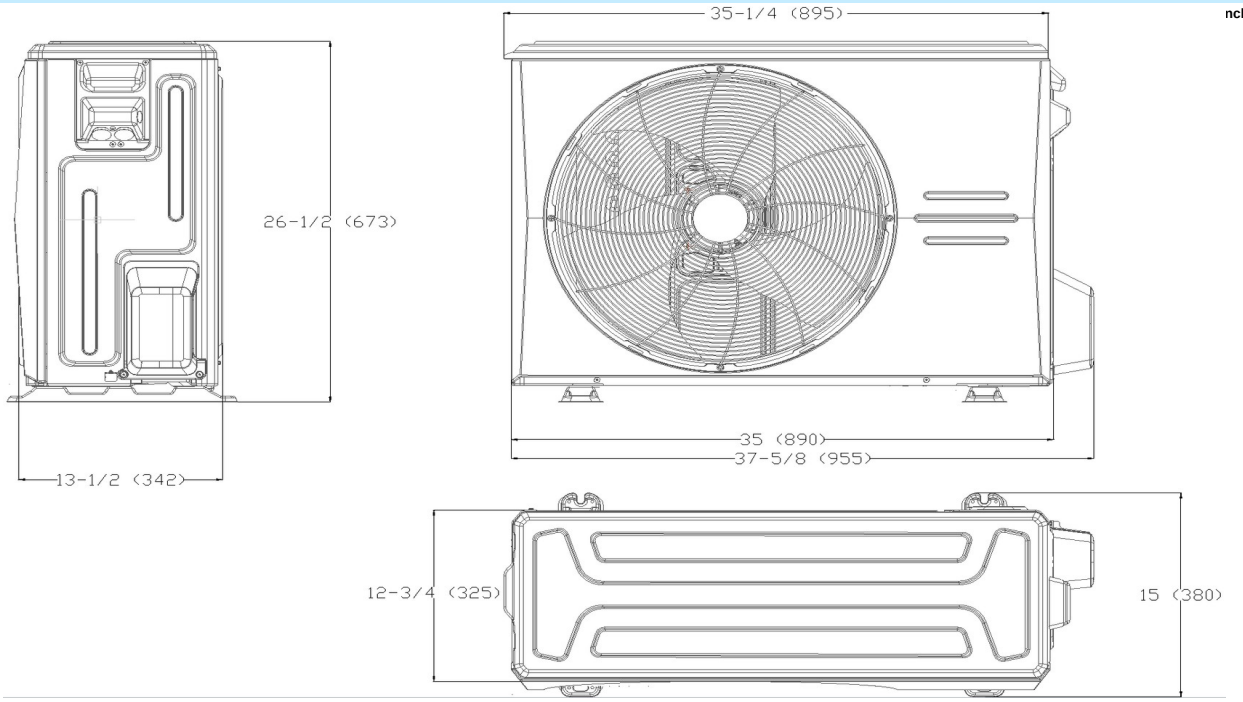


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

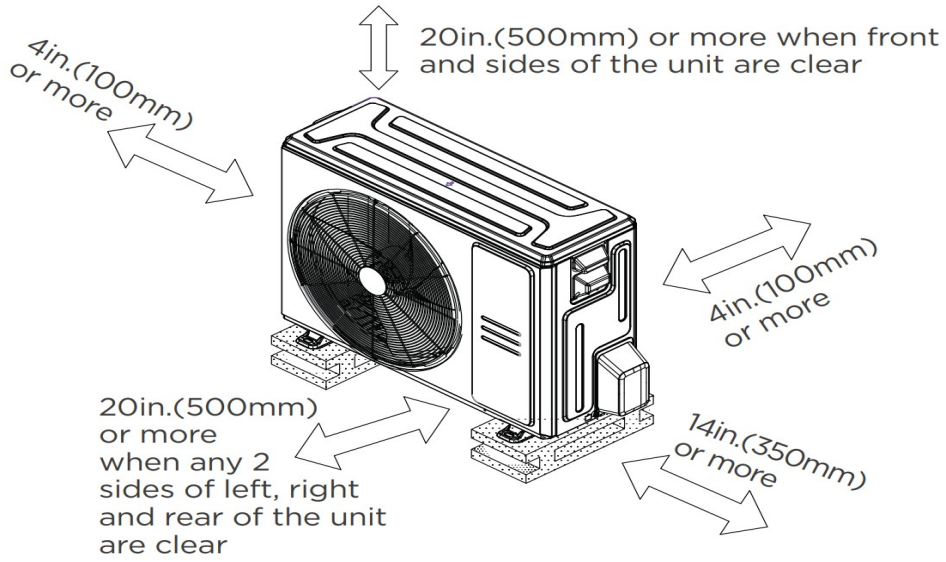
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension

nch(mm)



Installatio



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH24XAX/DLCURAH24ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	14-1/2 x 21 x 18
	mm	368 × 533 × 457
Package (W×D×H)	**inch**	17-1/2 x 25-3/8 x 20-5/8
	mm	445 × 645 × 525
Net/Gross Weight	**lbs**	41.67/46.52
	kg	18.9/21.1

OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Compressor Model		KTM240D57UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3000.0
Outdoor Noise Level (dBA)		63.5
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	**lbs**	136.69/145.50
	kg	62/66

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.7	**HSPF2-4**	9.80
EER2	16.1	**COP**	7.80

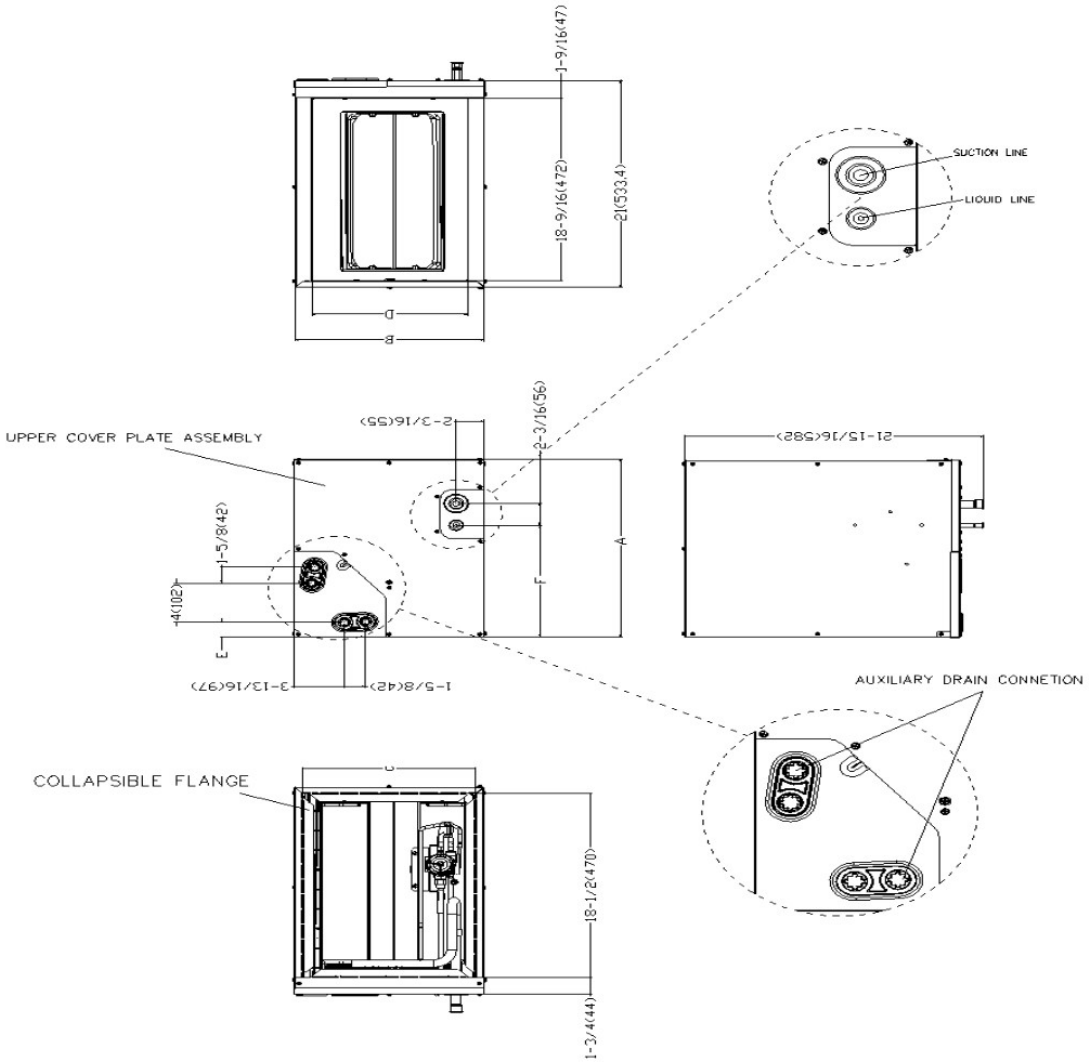
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	20
Outdoor MOP	35
Communication Wiring	AWG 20/2
Compressor RLA	15
Outdoor Fan Motor RLA	1.35
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2240(380~2700) ( )
System Power Input @ Heating (W)	2207(500~3260) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000(9900~27000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	25000(9000~34000)
1. @ 47°F Min/Max Capacity	/
2. @ 17°F Rated	22400
3. @ 5°F Rated: Capacity / COP	20000/2
3. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	98 (30)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	24.6(7.5)
Refrigerant Pre-charged Amount(oz/kg)	25 (7.5)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

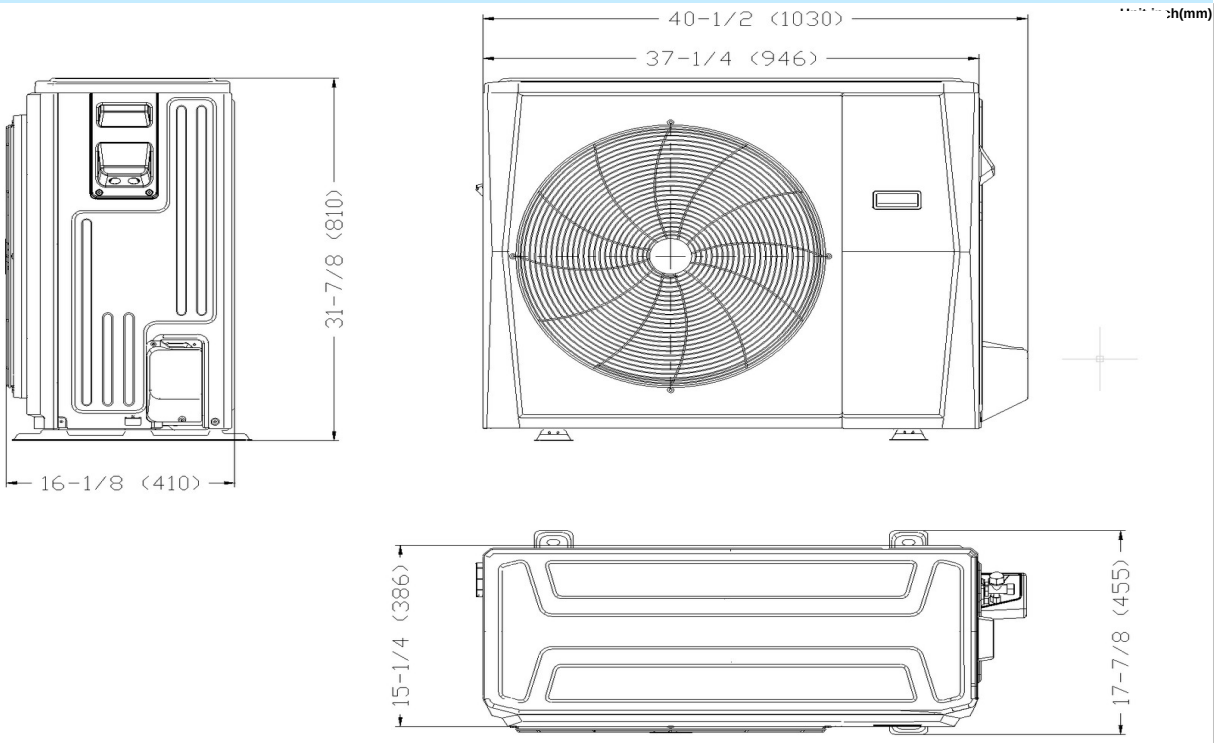
Indoor Unit Dimension



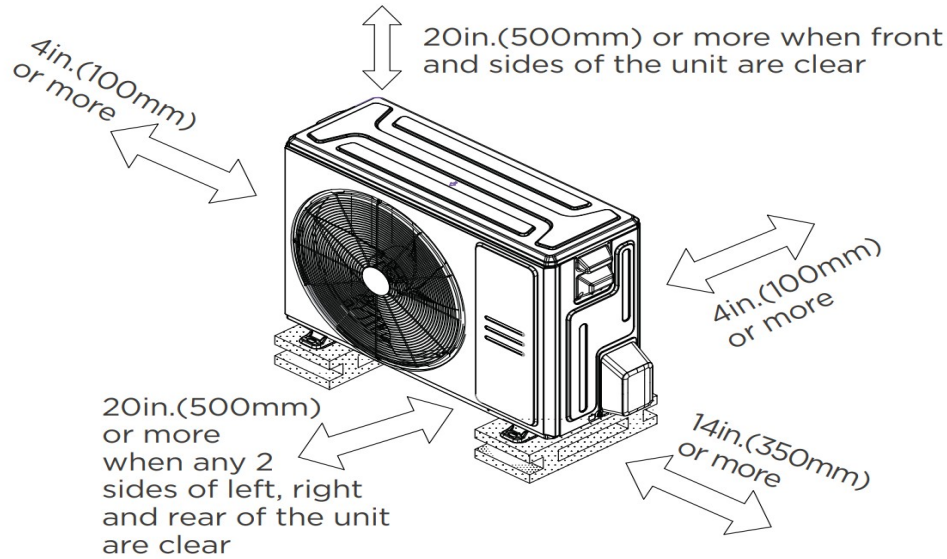
Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension



Installation Instruction For Outdoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH24XBX/DLCURAH24ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:





INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	17-1/2 x 21 x 18
	mm	445 × 533 × 457
Package (W×D×H)	**inch**	20-1/2x 26-1/8 x 20-7/8
	mm	520 × 665 × 530
Net/Gross Weight	**lbs**	42.77/52.03
	kg	19.4/23.6

OUTDOOR SPECIFICATION		
Compressor Type		Twin-ROTARY
Compressor Model		KTM240D57UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3000.0
Outdoor Noise Level (dBA)		63.5
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	**lbs**	136.69/145.50
	kg	62/66

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.7	**HSPF2-4**	9.50
EER2	16.5	**COP**	7.70

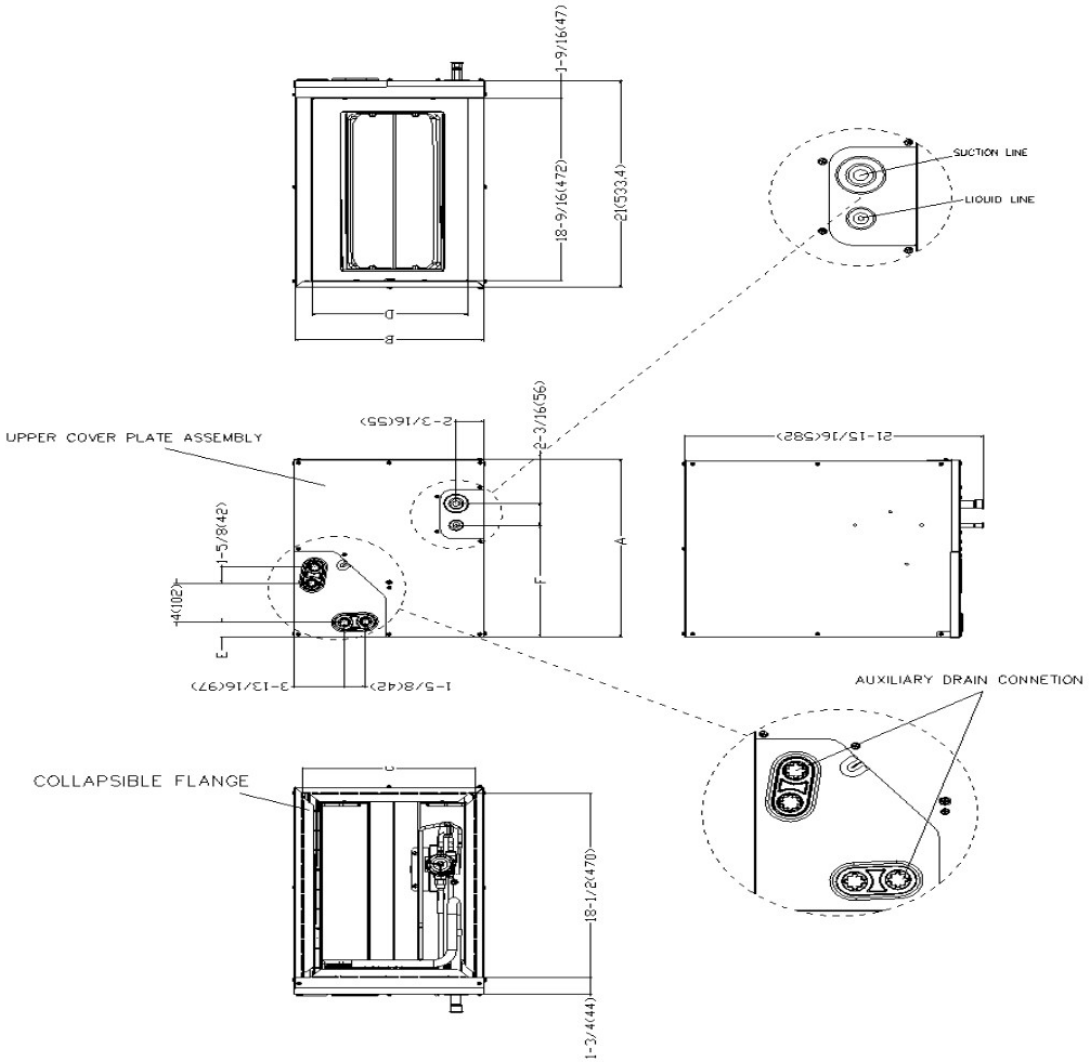
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	20
Outdoor MOP	35
Communication Wiring	AWG 20/2
Compressor RLA	15
Outdoor Fan Motor RLA	1.35
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2247(380~2600) ( )
System Power Input @ Heating (W)	2233(510~3160) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	24000(10000~28400)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	25000(9600~33400)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	21000
4. @ 5°F Rated: Capacity / COP	20000/1.95
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	102.32 (2.9)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

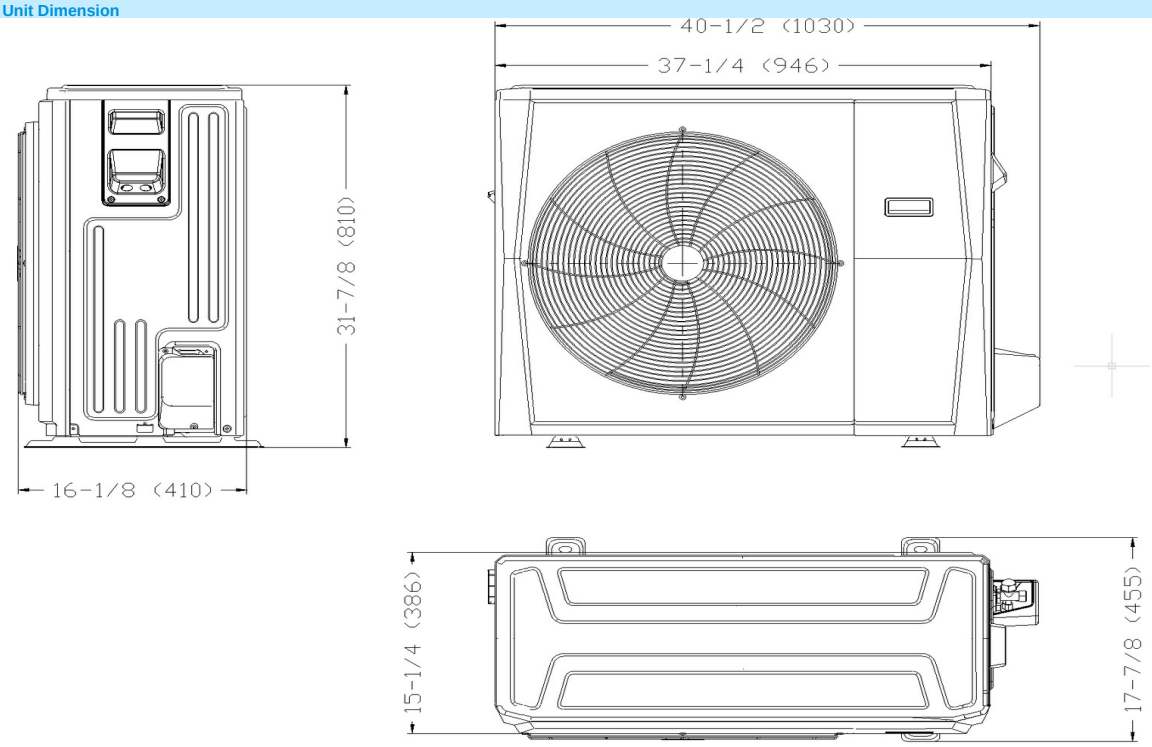


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

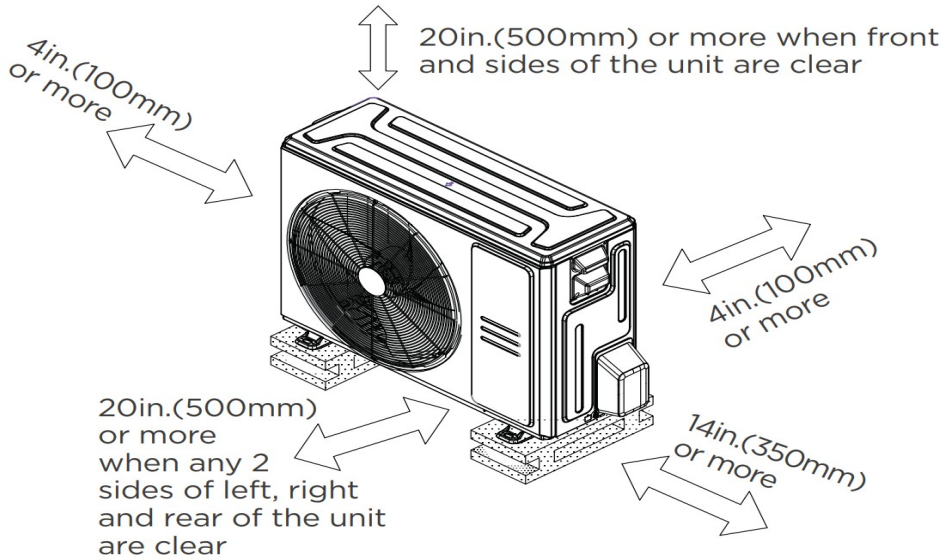
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension

ch(mm)



Installatio



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:
  - Two way communication wired controller with built-in WiFi:120N(X6W)

○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH36XCX/DLCURAH30ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:





INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	21 x 21 x 24
	mm	534 × 533 × 611
Package (W×D×H)	**inch**	20-1/2 x 26-1/8 x 26-3/8
	mm	610 × 665 × 685
Net/Gross Weight	**lbs**	66.58/77.16
	kg	30.2/35

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3000.0
Outdoor Noise Level (dBA)		62
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	**lbs**	159.83/169.75
	kg	72.5/77

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.5	**HSPF2-4**	9.70
EER2	15.5	**COP**	7.70

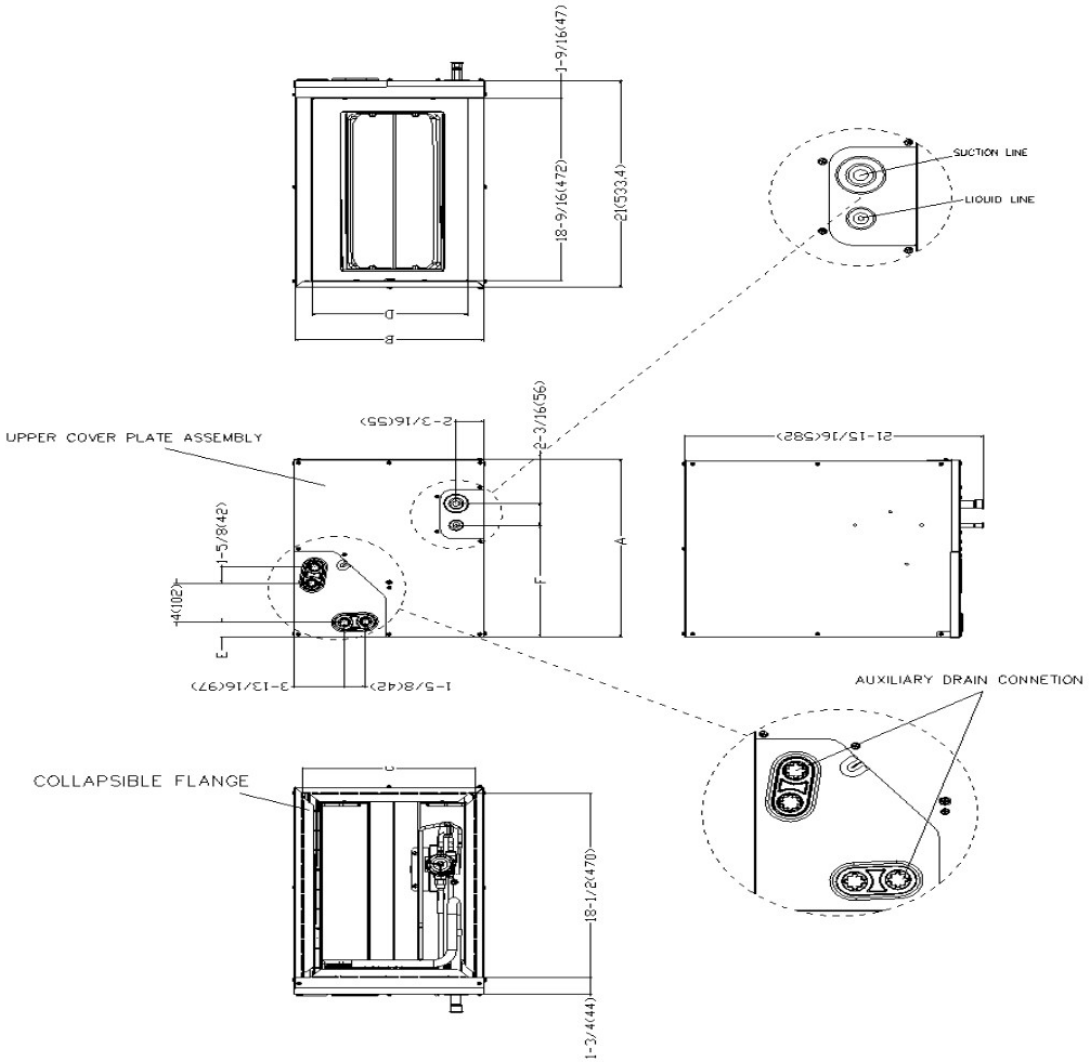
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	30000(9900~35000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	33000(9000~37000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	22600
4. @ 5°F Rated: Capacity / COP	27000/1.85
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	23
Outdoor MOP	35
Communication Wiring	AWG 20/2
Compressor RLA	16.5
Outdoor Fan Motor RLA	1.35
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2855(660~3720) ( )
System Power Input @ Heating (W)	2845(640~3300) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	134.0412 (3.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

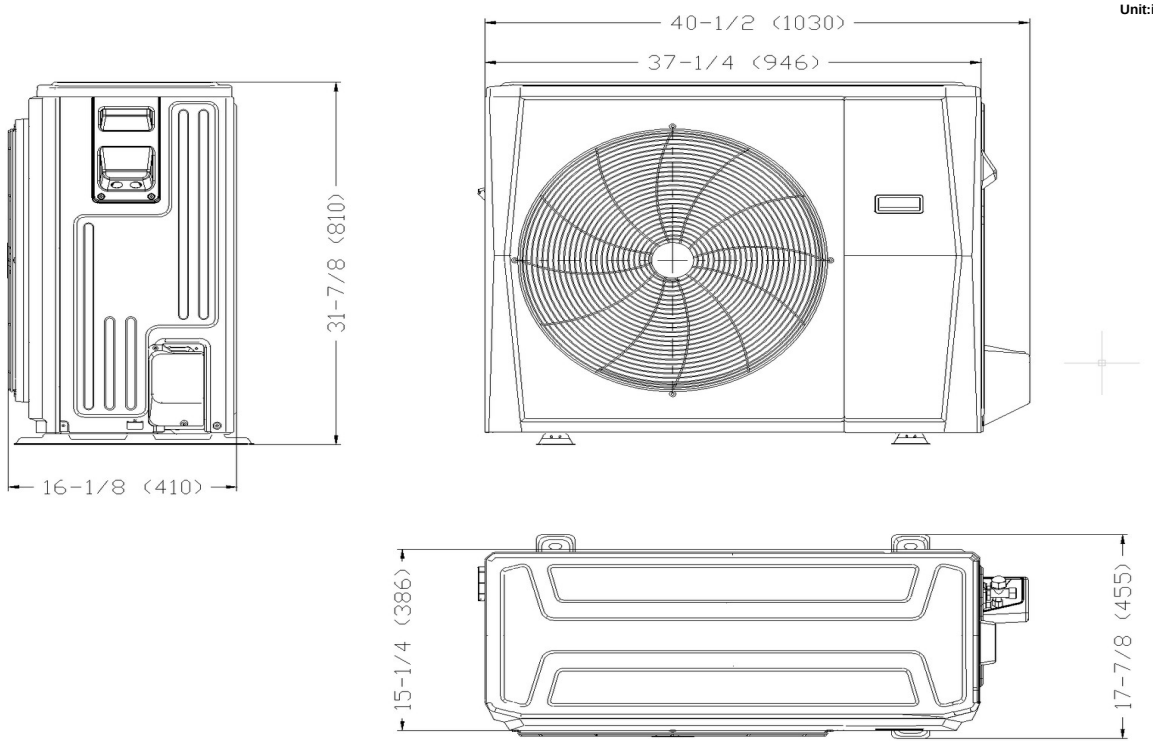


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

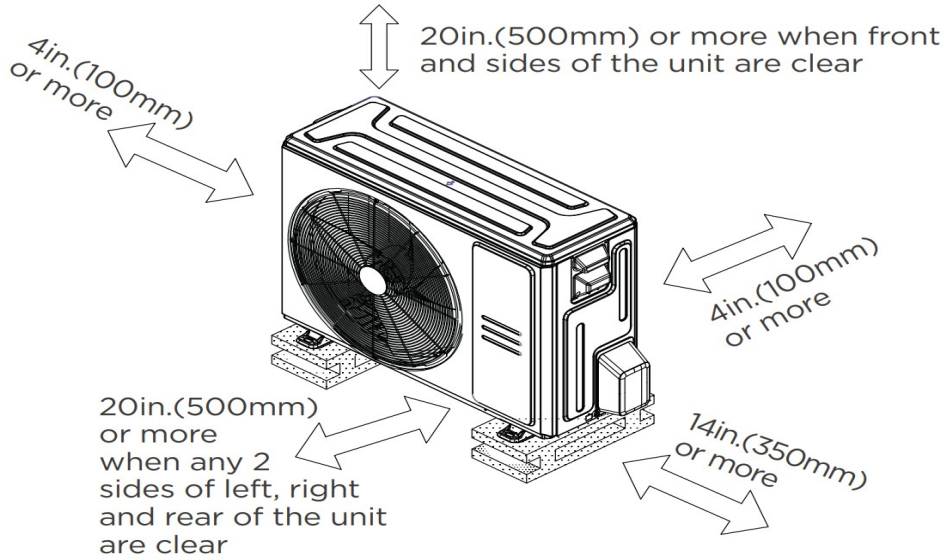
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension

Unit:inch(mm)



Installatic



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH36XBX/DLCURAH30ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:





INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	17-1/2 x 21 x 23-1/2
	mm	445 × 533 × 599
Package (W×D×H)	**inch**	20-1/2 x 26-1/8 x 26-3/8
	mm	520 × 665 × 670
Net/Gross Weight	**lbs**	60.19/69.00
	kg	27.3/31.3

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3000.0
Outdoor Noise Level (dBA)		62
Dimension (W×D×H)	**inch**	37-1/4 x 16-1/8 x 31-7/8
	mm	946 × 410 × 810
Package (W×D×H)	**inch**	42-7/8 x 19-5/8 x 34-7/8
	mm	1090 × 500 × 885
Net/Gross Weight	**lbs**	159.83/169.75
	kg	72.5/77

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.0	**HSPF2-4**	8.50
EER2	15.2	**COP**	6.60

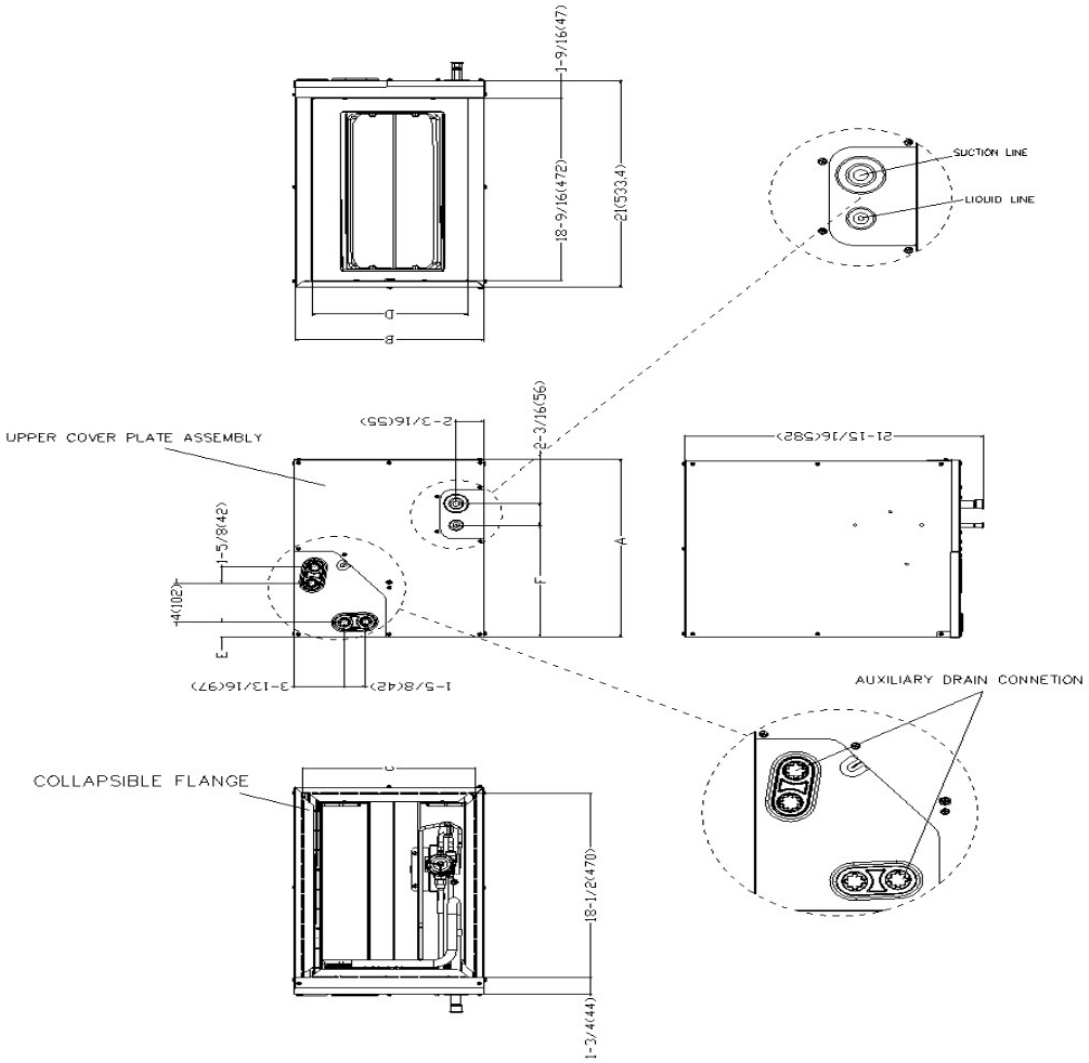
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	29,000(13,000~33,000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	31000(8,000~34,000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	19600
4. @ 5°F Rated: Capacity / COP	25000/1.8
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	23
Outdoor MOP	35
Communication Wiring	AWG 20/2
Compressor RLA	16.5
Outdoor Fan Motor RLA	1.35
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2900(1760~3780) ( )
System Power Input @ Heating (W)	2860(680~4200) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	134.0412 (3.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

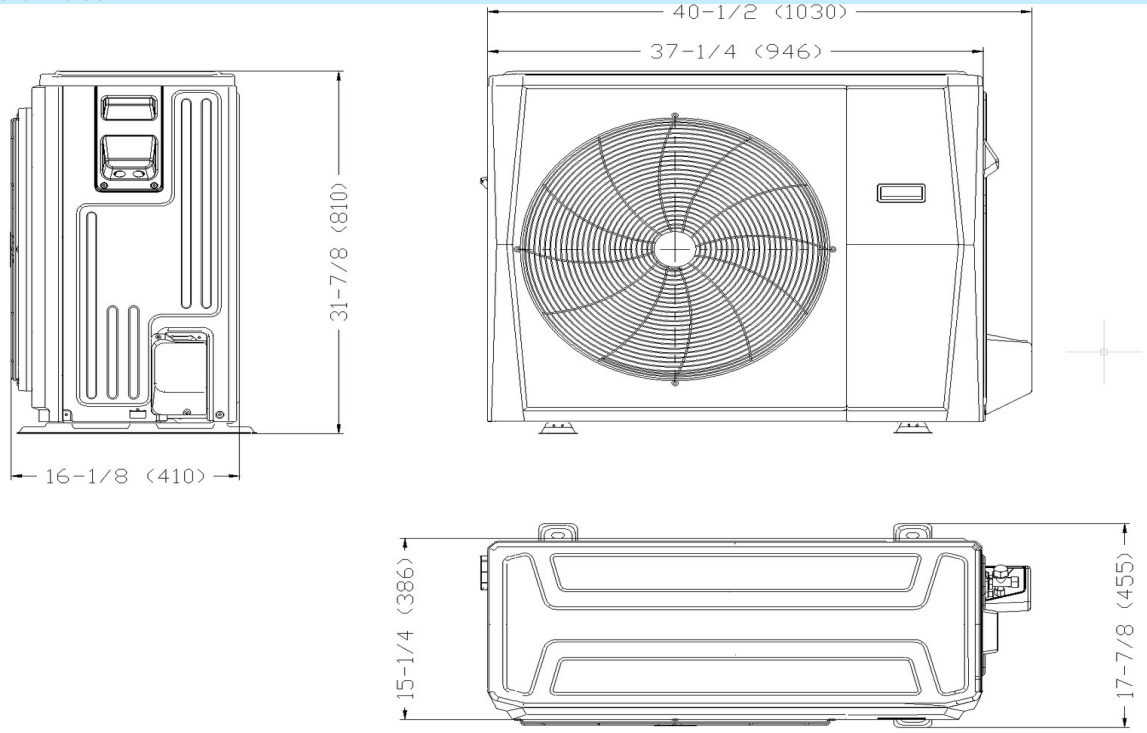


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

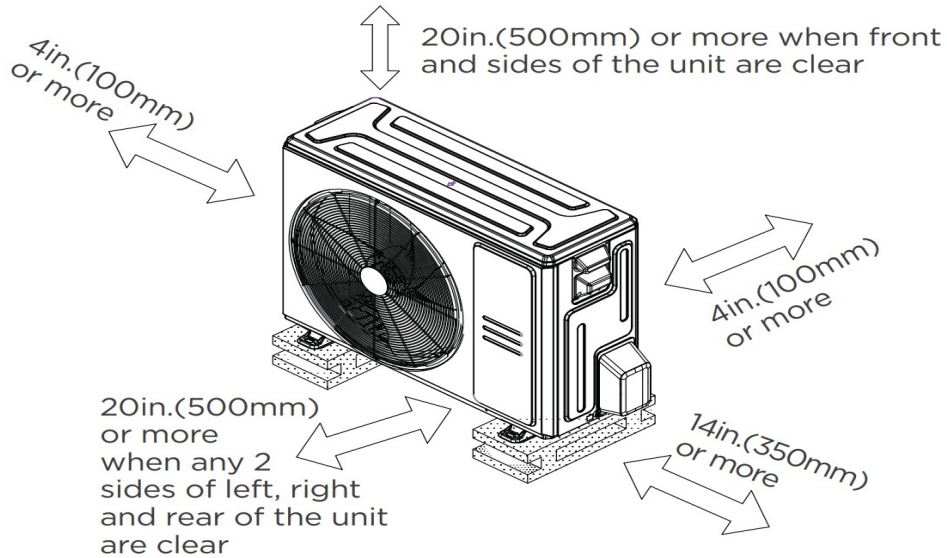
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension

ıch(mm)



Installation Instruction For Outdoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH36XBX/DLCURAH36ACK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:





INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	17-1/2 x 21 x 23-1/2
	mm	445 × 533 × 599
Package (W×D×H)	**inch**	20-1/2 x 26-1/8 x 26-3/8
	mm	520 × 665 × 670
Net/Gross Weight	**lbs**	42.77/52.03
	kg	19.4/23.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		KTF310D43UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1000
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3000.0
Outdoor Noise Level (dBA)		62
Dimension (W×D×H)	**inch**	38-9/16 x 16-3/8 x 38-3/8
	mm	980 × 415 × 975
Package (W×D×H)	**inch**	45-1/16 x 19-11/16 x 42-1/2
	mm	1145 × 500 × 1080
Net/Gross Weight	**lbs**	159.83/169.75
	kg	72.5/77

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.0	**HSPF2-4**	8.50
EER2	15.2	**COP**	6.60

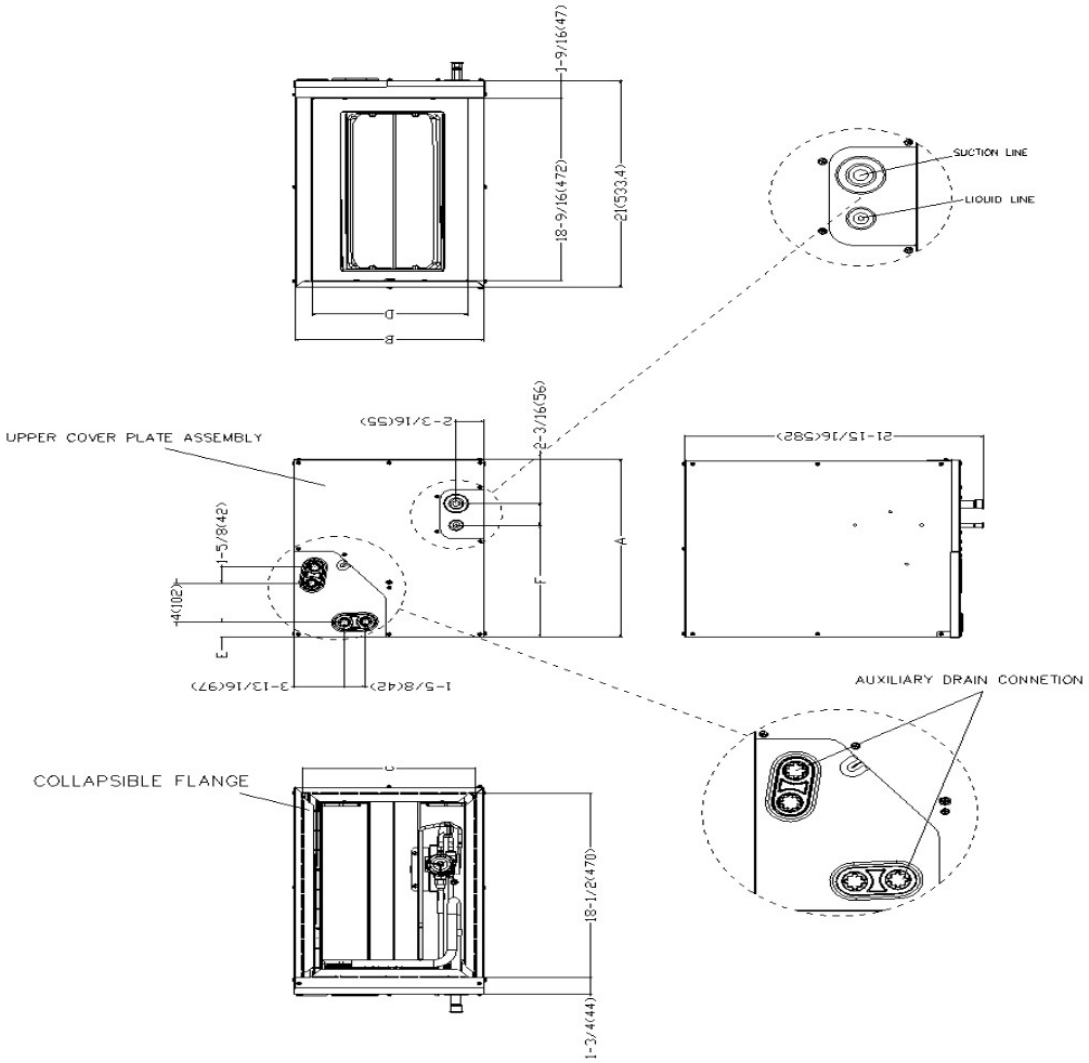
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	29000
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	31000
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	19600
4. @ 5°F Rated: Capacity / COP	22600/1.8
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	23
Outdoor MOP	35
Communication Wiring	AWG 20-2
Compressor RLA	16.5
Outdoor Fan Motor RLA	1.35
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	/ ( )
System Power Input @ Heating (W)	/ ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	134.0412 (3.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

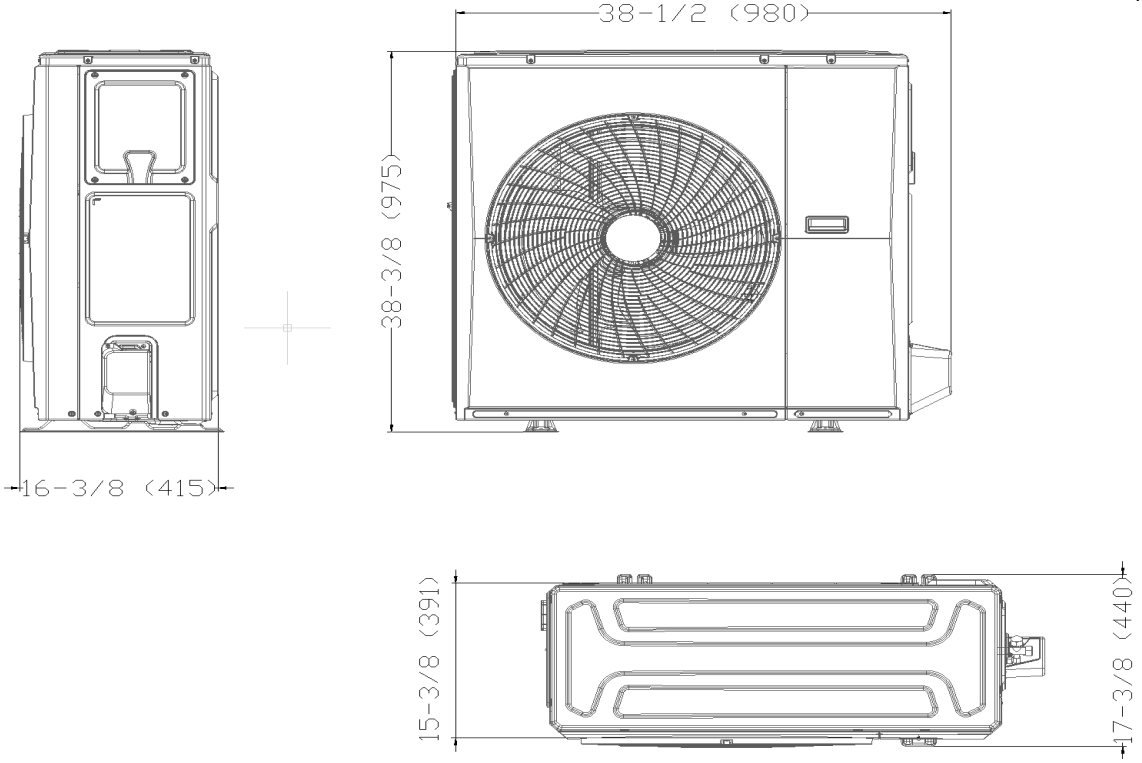


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

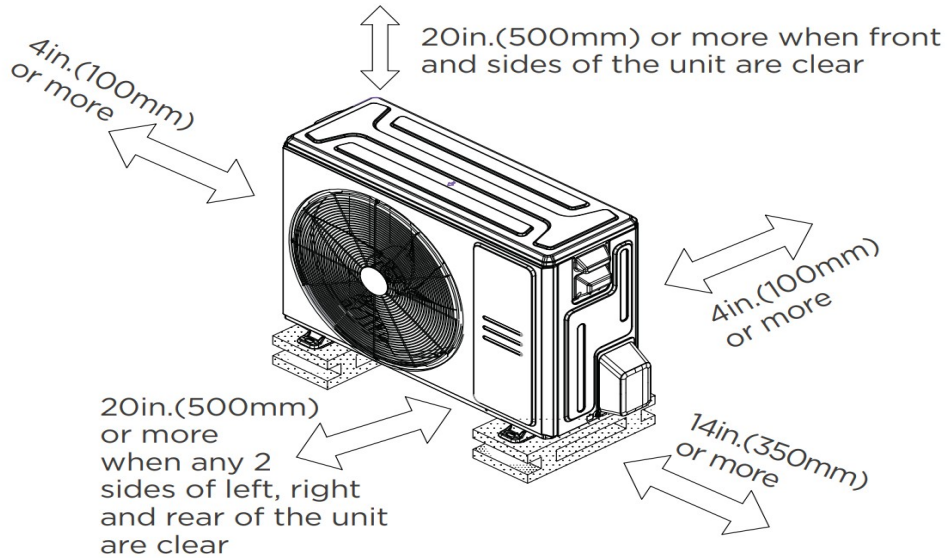
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension

Unit:inch(mm)



Installation Instruction For Outdoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH36XCX/DLCURAH36ACK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:





INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	21 x 21 x 24
	mm	534 × 533 × 611
Package (W×D×H)	**inch**	20-1/2 x 26-1/8 x 26-3/8
	mm	610 × 665 × 685
Net/Gross Weight	**lbs**	60.19/69.00
	kg	27.3/31.3

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		EAPQ420D1UMUA
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1460
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3035.29
Outdoor Noise Level (dBA)		65
Dimension (W×D×H)	**inch**	38-9/16 x 16-3/8 x 38-3/8
	mm	980 × 415 × 975
Package (W×D×H)	**inch**	45-1/16 x 19-11/16 x 42-1/2
	mm	1145 × 500 × 1080
Net/Gross Weight	**lbs**	203.71/234.57
	kg	92.4/106.4

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.0	**HSPF2-4**	8.50
EER2	15.2	**COP**	6.60

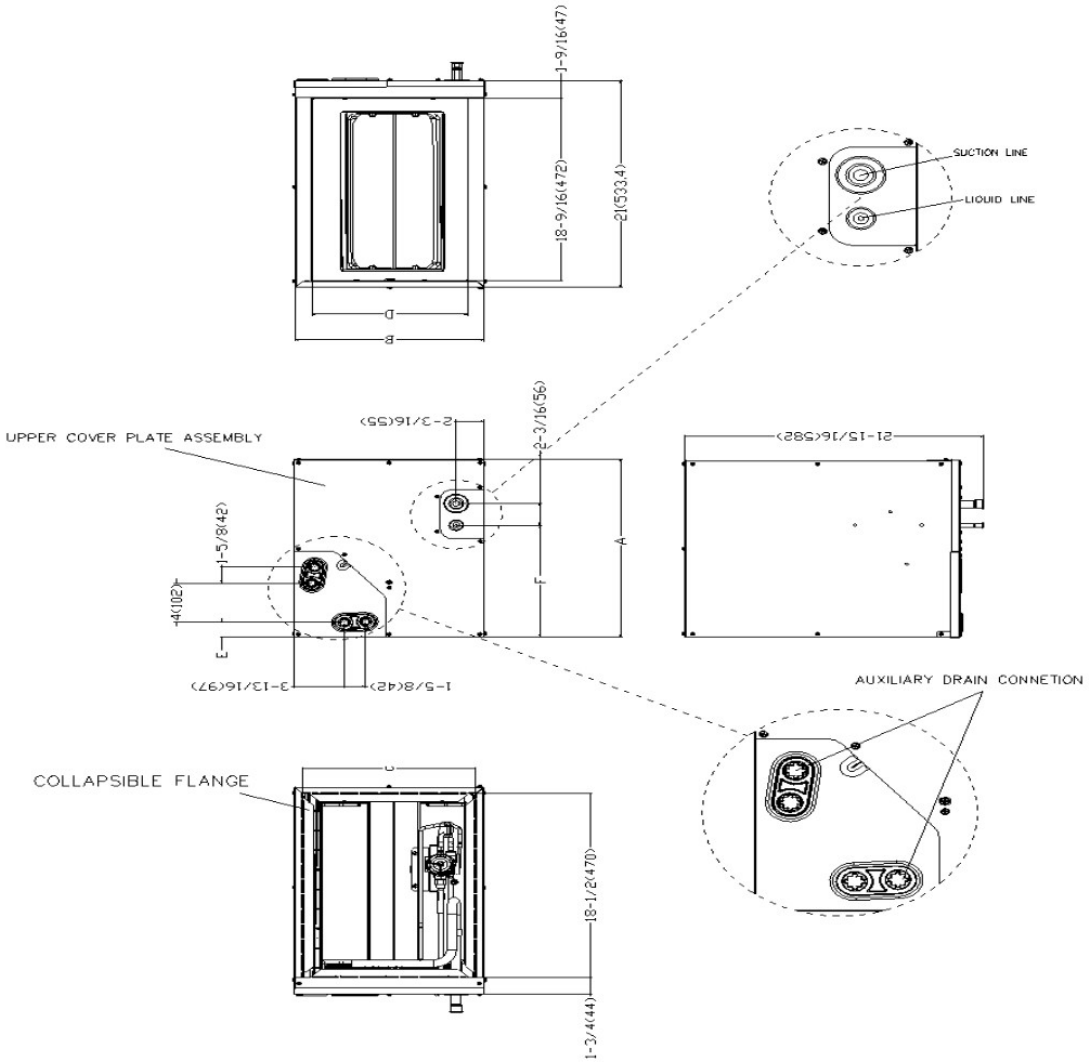
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	30
Outdoor MOP	35
Communication Wiring	AWG 20-2
Compressor RLA	21.5
Outdoor Fan Motor RLA	2.5
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	/ ( )
System Power Input @ Heating (W)	/ ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	35000
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	36000
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	27000
4. @ 5°F Rated: Capacity / COP	30000/1.8
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor Operating at Max. Frequency	Indoor: 70°F DB/60°F WB Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	141.096 (4)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

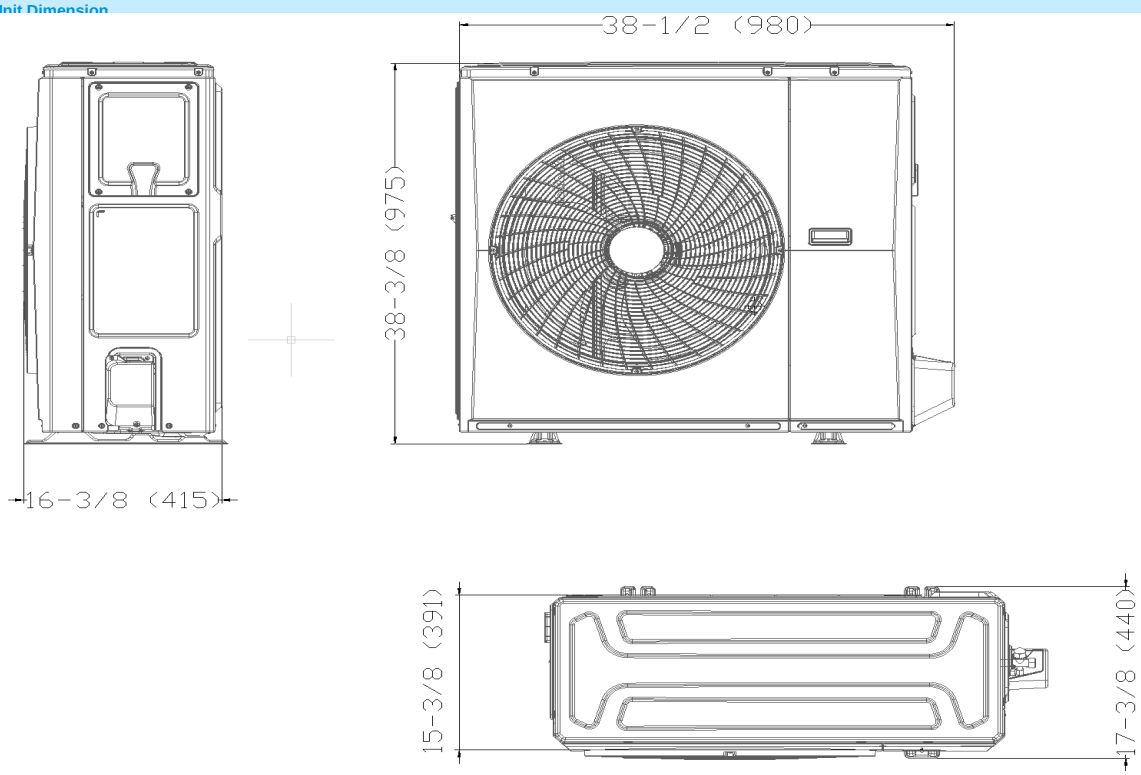


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

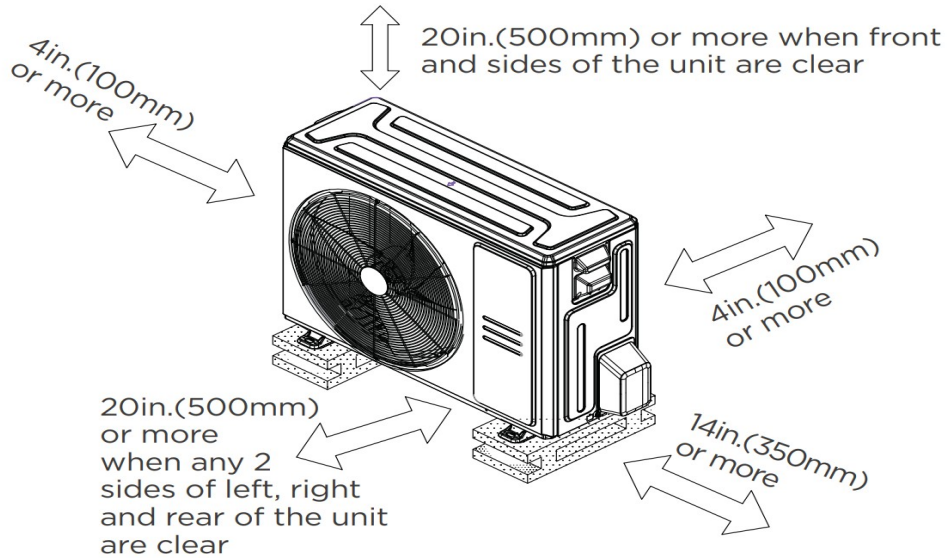
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

Outdoor Unit Dimension

:h(mm)



Installation Instruction For Outdoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH36XBX/DLCURAH36ABK

Midea

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension(W×D×H)	inch	17-1/2 x 21 x 23-1/2
	mm	445 × 533 × 599
Package (W×D×H)	inch	20-1/2 x 26-1/8 x 26-3/8
	mm	520 × 665 × 670
Net/Gross Weight	lbs	60.19/69.00
	kg	27.3/31.3

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		EAPQ420D1UMUA
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1460
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4500.0
Outdoor Noise Level (dBA)		63
Dimension (W×D×H)	inch	37-1/2 x 16-3/8 x 52-1/2
	mm	952 × 415 × 1333
Package (W×D×H)	inch	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 × 495 × 1480
Net/Gross Weight	lbs	227.07/255.73
	kg	103/116

EFFICIENCY			
Cooling		Heating	
SEER2	10.0	HSPF2-4	8.60
EER2	15.5	COP	7.00

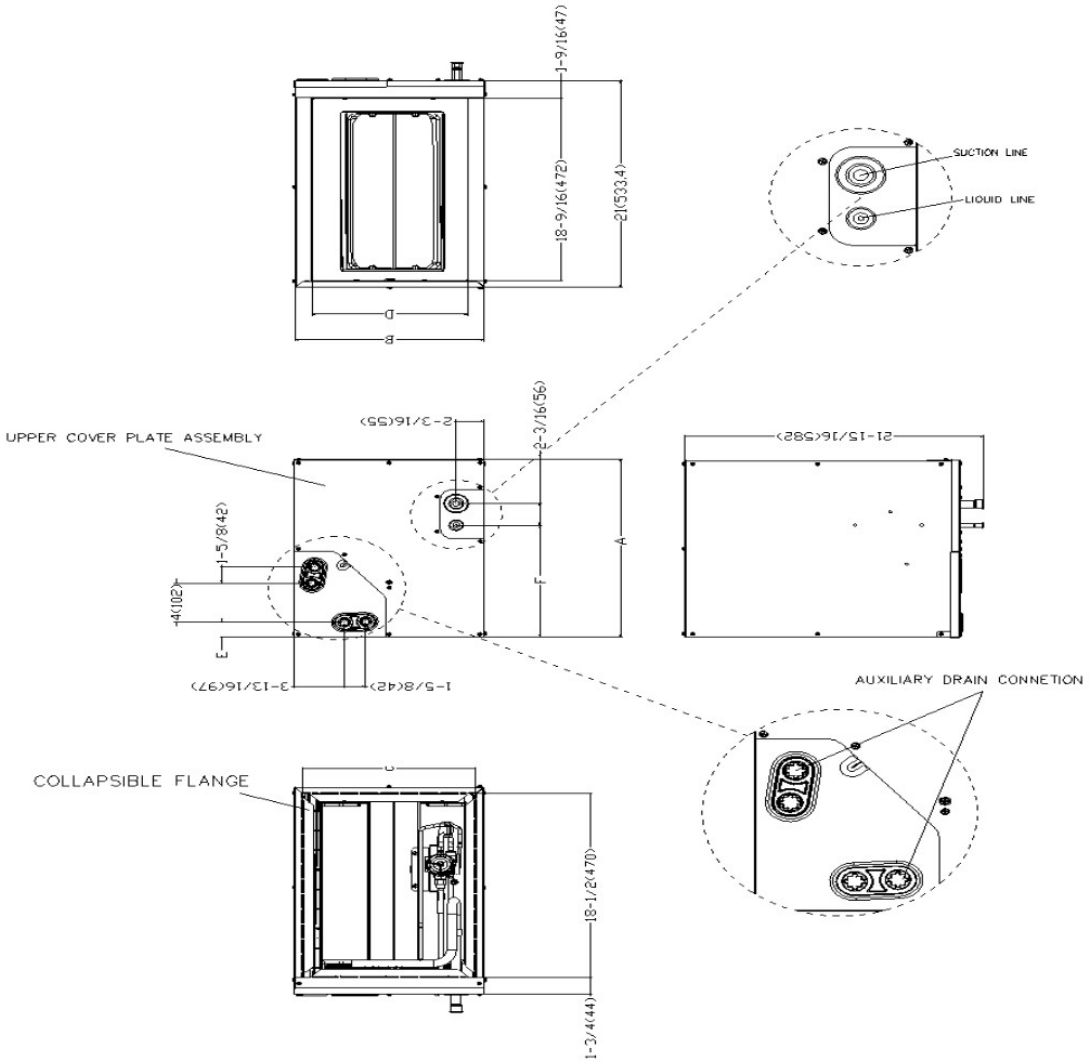
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	30
Outdoor MOP	50
Communication Wiring	AWG 20-2
Compressor RLA	32
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3500(800~5000) ( )
System Power Input @ Heating (W)	3600(800~5000) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	35000(11700~40000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	38000(9200~50000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	27400
4. @ 5°F Rated: Capacity / COP	31600/1.85
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	165.7878 (4.7)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

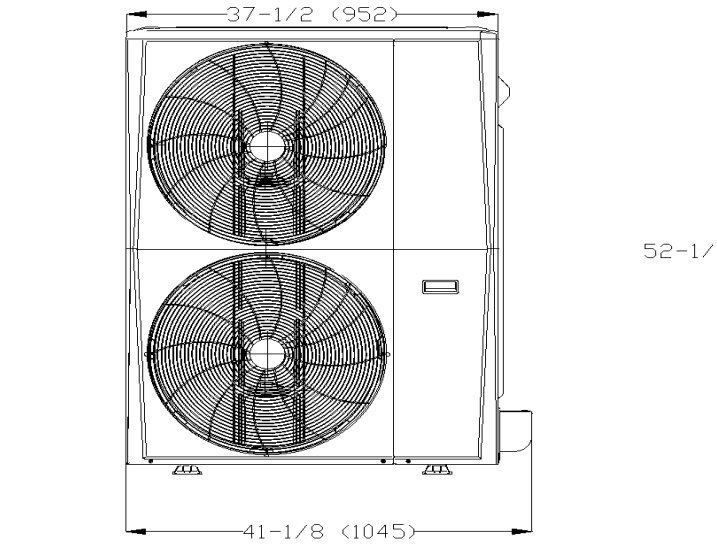


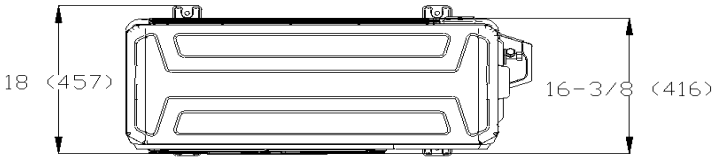
Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

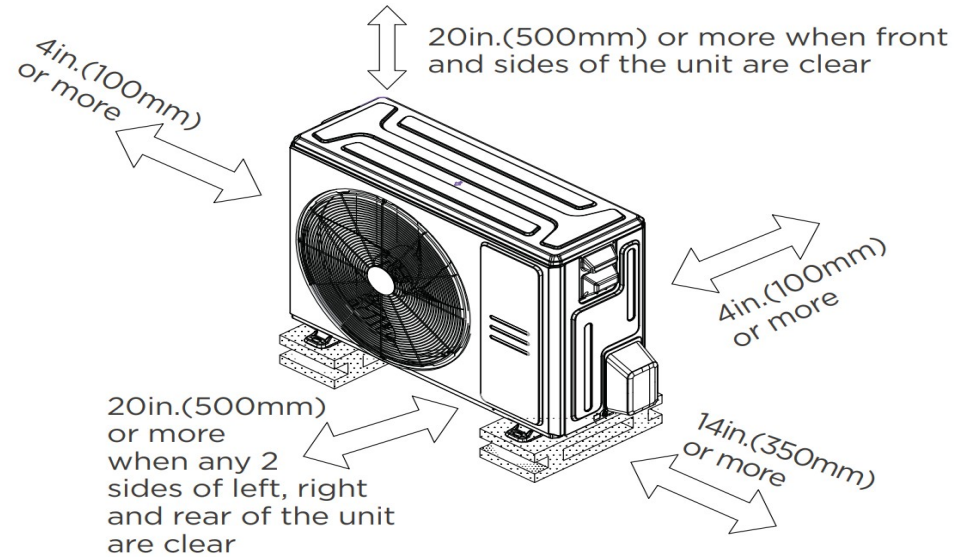
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Unit:inch(mm)





Installatio



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH36XCX/DLCURAH36ABK

Midea

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	21 x 21 x 24
	mm	534 × 533 × 611
Package (W×D×H)	**inch**	20-1/2 x 26-1/8 x 26-3/8
	mm	610 × 665 × 685
Net/Gross Weight	**lbs**	66.58/77.16
	kg	30.2/35

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		EAPQ420D1UMUA
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1460
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4500.0
Outdoor Noise Level (dBA)		61
Dimension (W×D×H)	**inch**	37-1/2 x 16-3/8 x 52-1/2
	mm	952 × 415 × 1333
Package (W×D×H)	**inch**	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 × 495 × 1480
Net/Gross Weight	**lbs**	227.07/255.73
	kg	103/116

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.0	**HSPF2-4**	10.00
EER2	15.2	**COP**	8.00

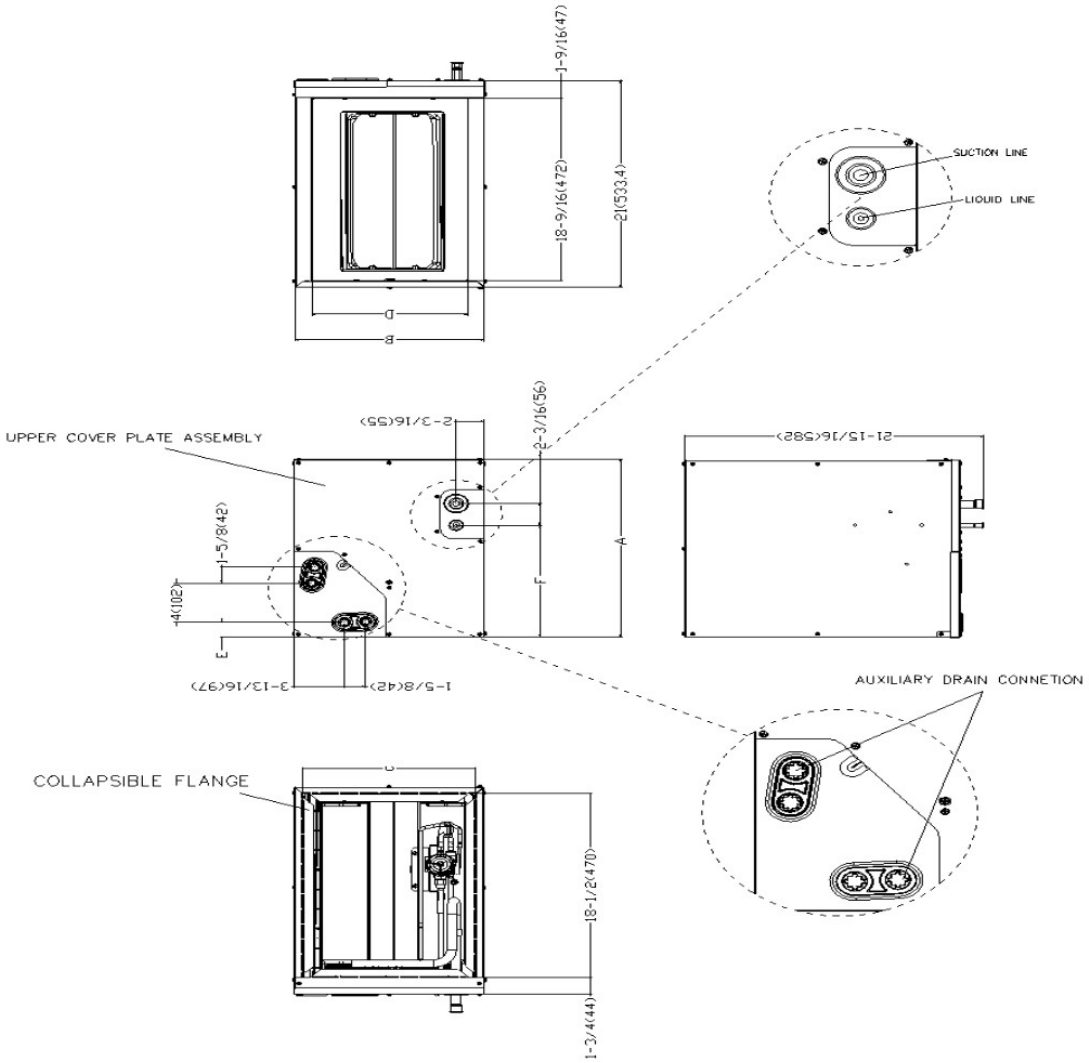
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	35000(11700~40000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	39000(9200~50000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	33000
4. @ 5°F Rated: Capacity / COP	32000/2
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	30
Outdoor MOP	50
Communication Wiring	AWG 20/2
Compressor RLA	32
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3500(800~5000) ( )
System Power Input @ Heating (W)	3600(800~5000) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	165.7878 (4.7)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

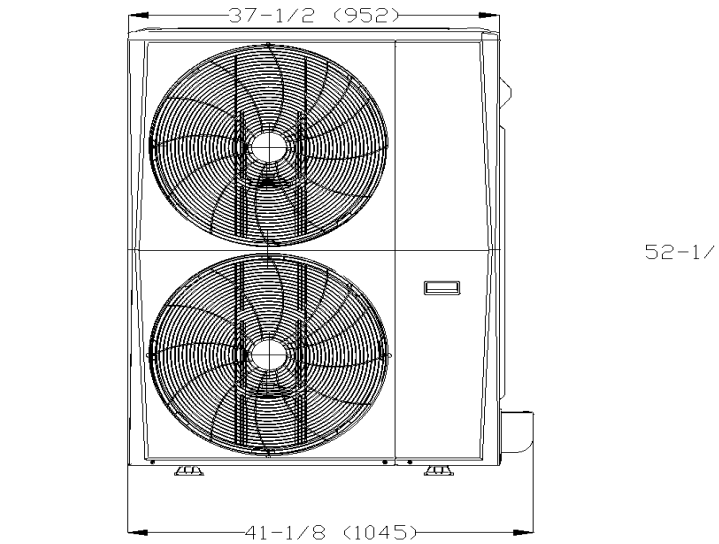


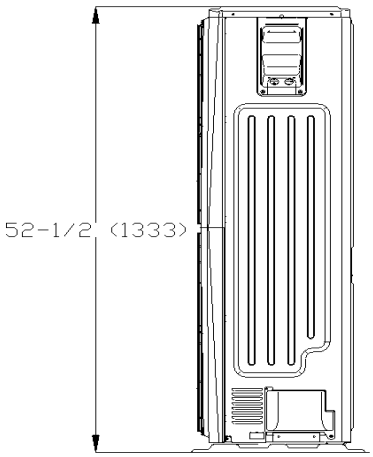
Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate Drains Height	1-7/16	38	1-7/16	38	1-7/16	38
F	Liquid Line Height	11-3/8	290	17-15/16	455	16-3/8	417

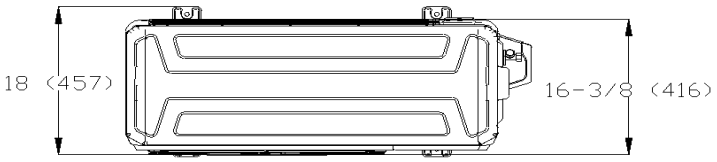
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	11-3/8	290	17-1/2	445		

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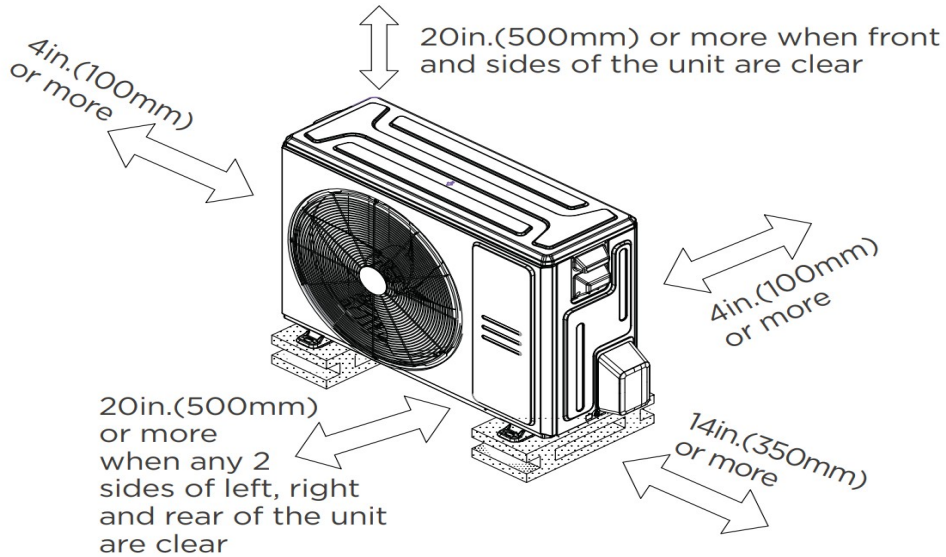
Unit:inch(mm)







Installatio



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH48XCX/DLCURAH48ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	21 x 21 x 24
	mm	534 × 533 × 611
Package (W×D×H)	**inch**	20-1/2 x 26-1/8 x 26-3/8
	mm	610 × 665 × 685
Net/Gross Weight	**lbs**	66.58/77.16
	kg	30.2/35

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		EAPQ420D1UMUA
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1460
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		4411.8
Outdoor Noise Level (dBA)		64
Dimension (W×D×H)	**inch**	37-1/2 x 16-3/8 x 52-1/2
	mm	952 × 415 × 1333
Package (W×D×H)	**inch**	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 × 495 × 1480
Net/Gross Weight	**lbs**	220.24/248.90
	kg	99.9/112.9

EFFICIENCY			
Cooling		**Heating**	
SEER2	8.6	**HSPF2-4**	9.00
EER2	14.3	**COP**	7.50

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	40
Outdoor MOP	50
Communication Wiring	AWG 20/2
Compressor RLA	33
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	5400(560~5720) ( )
System Power Input @ Heating (W)	5020(800~6200) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

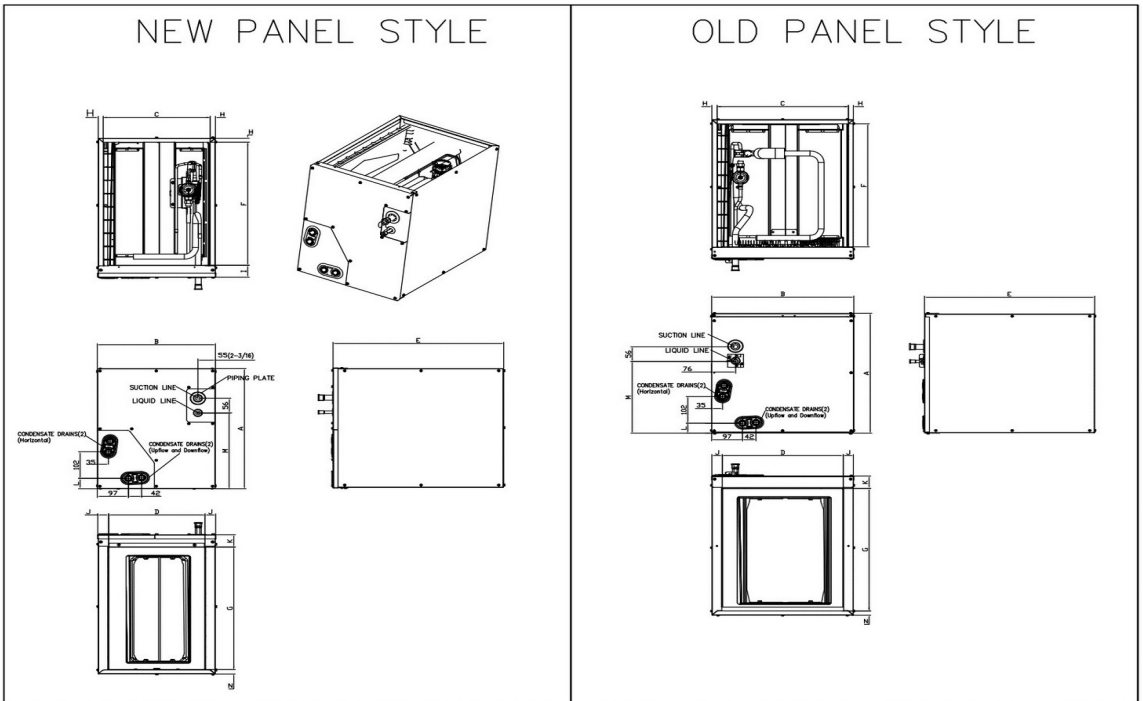
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	46000(12300~47000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	51000(15000~59000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	32000
4. @ 5°F Rated: Capacity / COP	40000/1.8
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	3/4" (19mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	169.31 (4.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

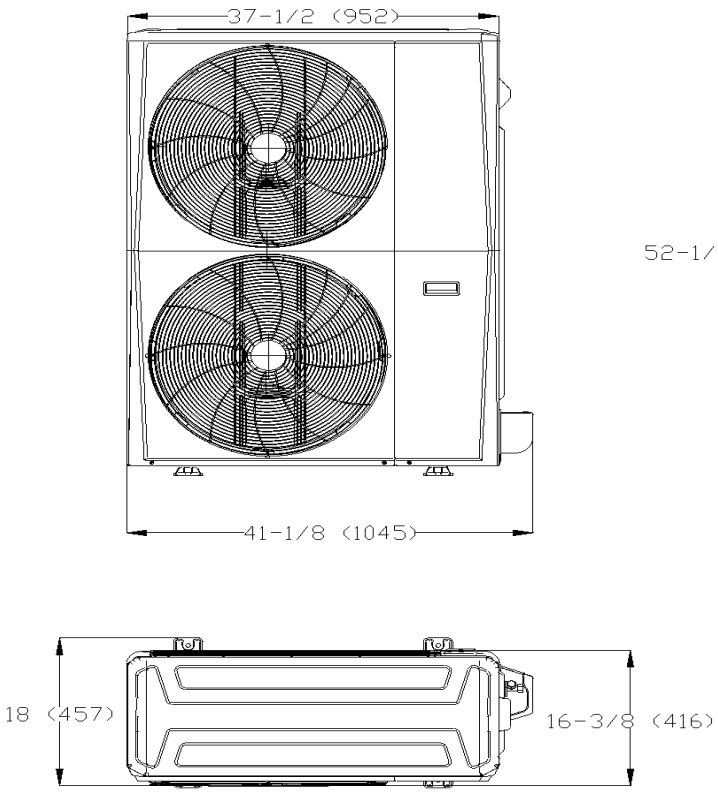
Unit:inch(mm)



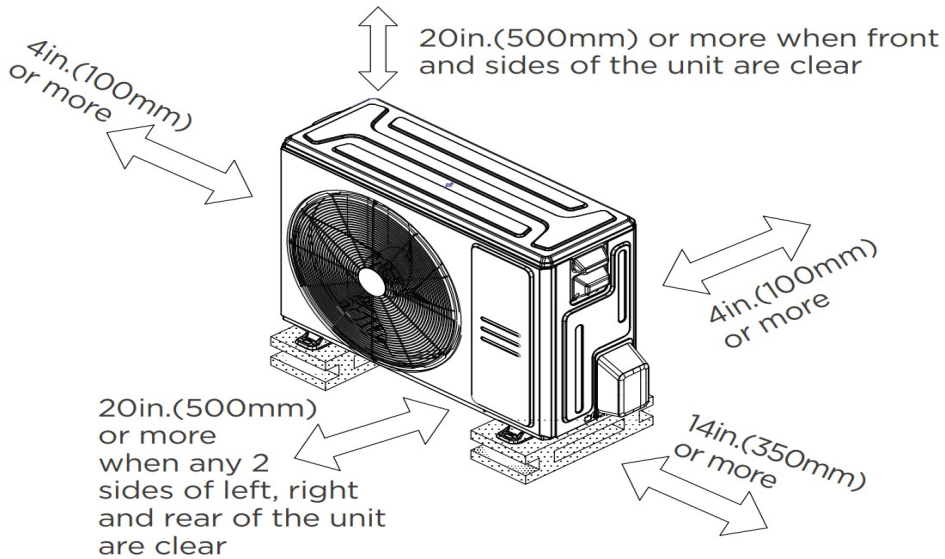
Dimensions \ Model(Btu/h)		KV-14F-A NEW PANEL STYLE 18K/20K/22K/24K		KV-14F-B NEW PANEL STYLE 30K(未投产)		KV-17F-A NEW PANEL STYLE 30K/36K		KV-17F-B OLD PANEL STYLE 18K/24K		KV-21F-A OLD PANEL STYLE 30K/36K/48K		KV-21F-B NEW PANEL STYLE 48K		KV-24F-A OLD PANEL STYLE 60K	
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-1/2	598	23-1/2	599	18	461	24	609	28	711	28	711
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445	17-1/2	445	21	533	21	533	24-1/2	622
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411	16-3/16	411	19-3/4	502	19-3/4	502	23-1/4	591
D	Return Air Opening Width	12	303	12	303	15-1/8	384	15-1/8	384	19-1/2	496	19-1/2	496	23	585
E	Model Depth	21	534	21	534	21	533	21	533	21	533	21	533	21	533
F	Supply Air Opening Depth	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473	18-5/8	473
G	Return Air Opening Depth	18-1/2	471	18-1/2	471	18	458	18	458	18-1/2	470	18-1/2	470	18-1/2	470
H	Supply Air Opening Side Clearance	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16	5/8	16
I	Supply Air Opening Front Clearance	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45	1-3/4	45
J	Return Air Opening Side Clearance	5/8	16	5/8	16	1-3/16	30	1-3/16	30	3/4	19	3/4	19	3/4	19
K	Return Air Opening Front Clearance	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46	1-13/16	46
L	Condensate Drains Height	1-9/16	40	1-9/16	40	1-7/16	37	1-7/16	37	2-1/8	54	2-1/8	54	2-1/8	54
M	Liquid Line Height	11-1/2	292	11-1/2	292	16-1/2	418	10-7/8	276	16-5/16	414	21	533	20-1/4	514
N	Return Air Opening Side Clearance	3/4	19	3/4	19	3/4	19	1-3/16	30	3/4	19	3/4	19	3/4	19

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Unit:inch(mm)



Installation Instruction For Outdoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH60XDX/DLCURAH60ABK

Air Handler Heat Pump System	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:



INDOOR SPECIFICATION		
Dimension (W×D×H)	**inch**	24-1/2 x 21 x 28
	mm	622 × 533 × 711
Package (W×D×H)	**inch**	27-3/4 x 26-1/8 x 30-3/8
	mm	705 × 665 × 770
Net/Gross Weight	**lbs**	86.64/98.33
	kg	39.3/44.6

OUTDOOR SPECIFICATION		
Compressor Type		ROTARY
Compressor Model		EAPQ440D1UMUA
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1300
Refrigerant Oil		VG75
Outdoor Air Flow (Max) (CFM)		4500.0
Outdoor Noise Level (dBA)		62
Dimension (W×D×H)	**inch**	37-1/2 x 16-3/8 x 52-1/2
	mm	952 × 415 × 1333
Package (W×D×H)	**inch**	43-1/8 x 19-1/2 x 58-1/4
	mm	1095 × 495 × 1480
Net/Gross Weight	**lbs**	239.86/271.61
	kg	108.8/123.2

EFFICIENCY			
Cooling		**Heating**	
SEER2	8.6	**HSPF2-4**	8.60
EER2	14.5	**COP**	7.10

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	53000(13400~54000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	-22~122 (-30~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

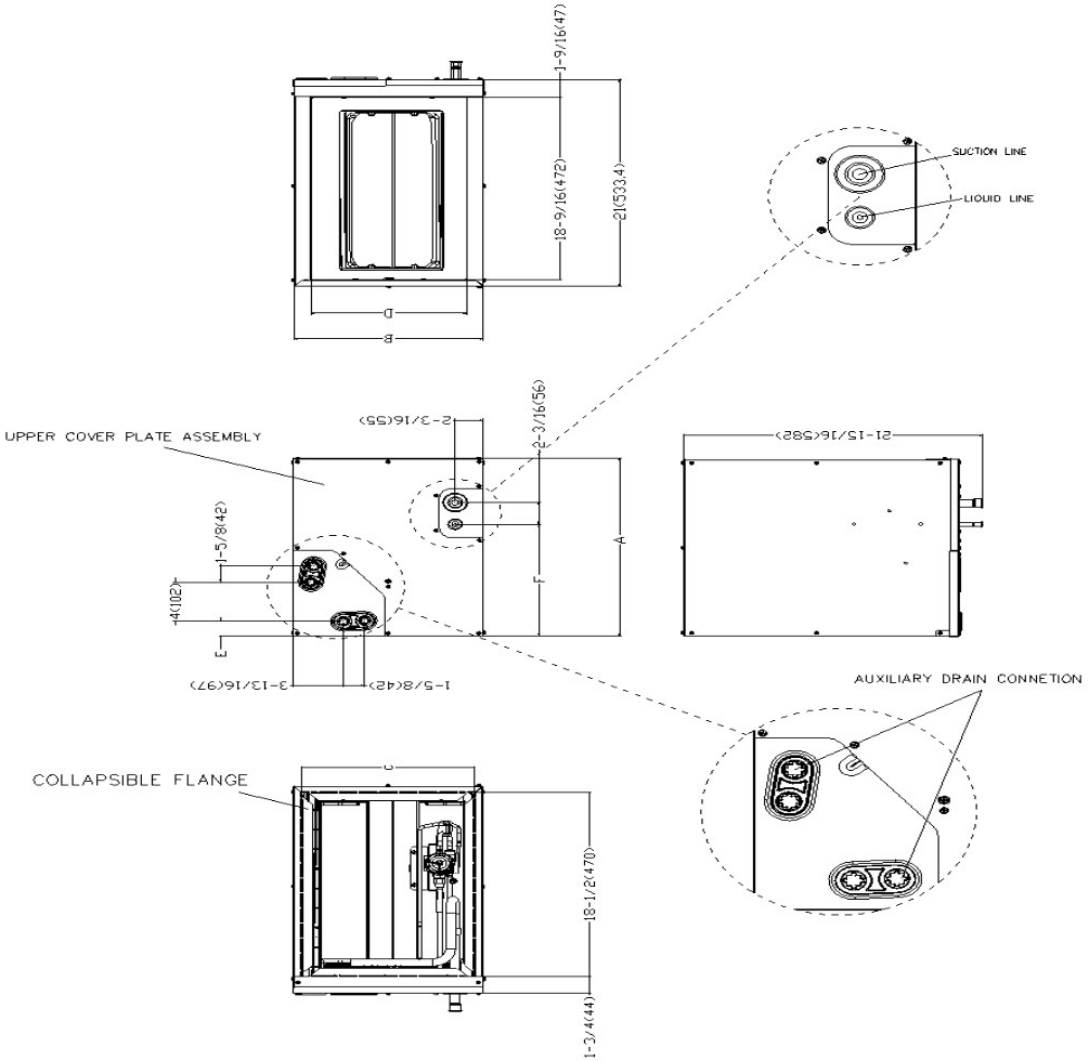
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	55000(10800~60000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	37000
4. @ 5°F Rated: Capacity / COP	46500/1.8
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-22~75 (-30~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 47°F DB/43°F WB
2. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 17°F DB/15°F WB
3. Heating Conditions, Compressor	Indoor: 70°F DB/60°F WB
Operating at Max. Frequency	Outdoor: 5°F DB/5°F WB

ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	40
Outdoor MOP	50
Communication Wiring	AWG 20-2
Compressor RLA	26.2
Outdoor Fan Motor RLA	1.2
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	6162(870~6100) ( )
System Power Input @ Heating (W)	5373(840~6380) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

PIPING	
Throttle type(Indoor)	EXV
Throttle type(Outdoor)	EXV
Liquid Size	3/8" (9.52mm)
Gas Size	7/8" (22mm)
Max. Piping Length(ft/m)	246 (75)
Max. Height Difference(ft/m)	98.4 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	169.32 (4.8)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

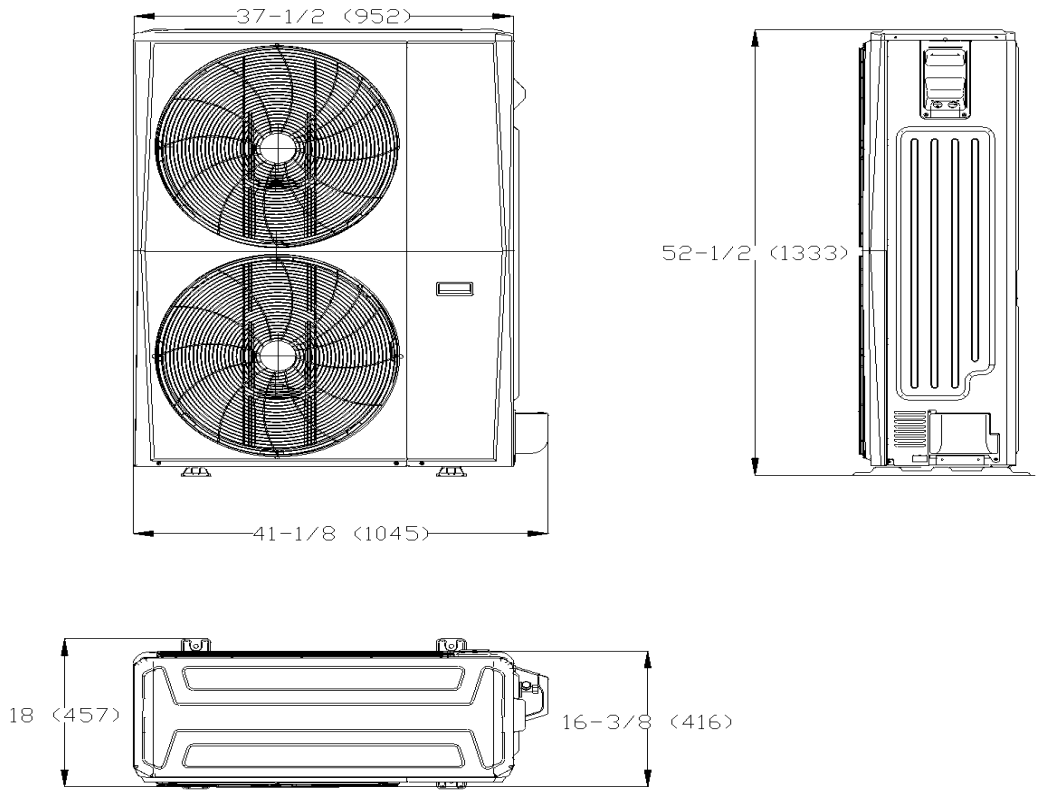
Unit:inch(mm)



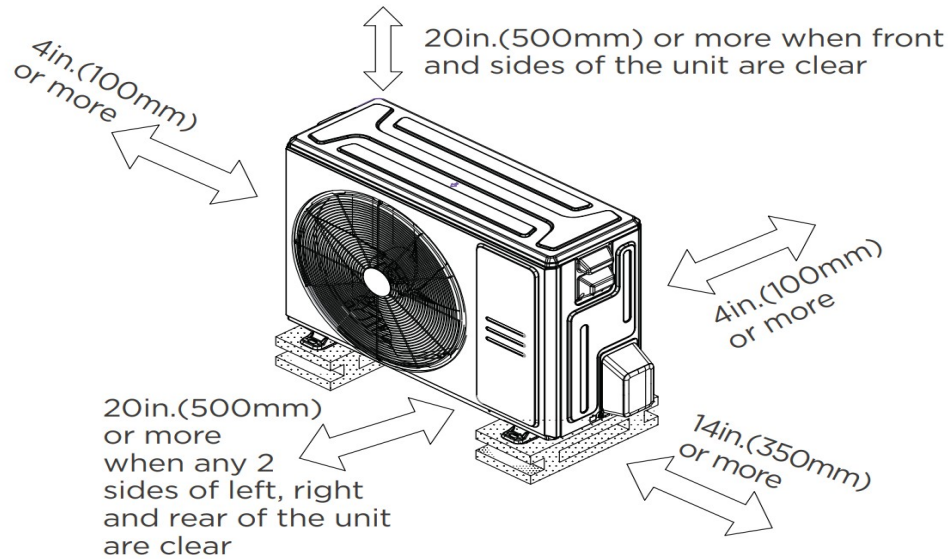
Model		60-D	
Dimensions		inch	mm
A	Model Height	28	711
B	Model Width	24-1/2	622
C	Supply Air Opening Width	23-1/4	591
D	Return Air Opening Width	23-1/8	587
E	Condensate Drains Height	2-3/16	55
F	Liquid Line Height	21-7/16	545

Outdoor Unit Dimension

Unit:inch(mm)



Installation Instruction For Outdoor Unit



Features

- Multi-position installation: horizontal(left or right), vertical(up or down)
- Aluminum Coil
- Easy Maintenance
- Multiple control options available:

○ Two way communication wired controller with built-in WiFi:120N(X6W)
○ Third-Party 24V Thermostat