Attribute Group	Attribute Name	Attribute Unit	24-A 18K	24-B 18K	24-A 24K	24-B 24K	36-C 30K	36-B 36K	36-C 36K	48-C 48K	60-D 60K
BasicInformation	Product Number										
	Indoor Product Number		22023111000670	22023111000510	22023111000670	22023111000510	22023111000493	22023111000690	22023111000493	22023111000492	22023111000491
	Outdoor Product Number		22023116000102	22023116000102	22023116000081	22023116000081	22023116000101	22023116000082	22023116000082	22023116000103	22023116000083
	Indoor Market Model		DLFULAH24XAX	DLFULAH24XBX	DLFULAH24XAX	DLFULAH24XBX	DLFULAH36XCX	DLFULAH36XBX	DLFULAH36XCX	DLFULAH48XCX	DLFULAH60XDX
	Outdoor Market Model		DLCURAH18AAK	DLCURAH18AAK	DLCURAH24AAK	DLCURAH24AAK	DLCURAH30AAK	DLCURAH36AAK	DLCURAH36AAK	DLCURAH48AAK	DLCURAH60AAK
	Country/Area		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
	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
NationalCertification	Cooling Capacity	Btu/h	18000(6000~19000)	18000(5800~18600)	24000(8200~27400)	24000(9800~28200)	30000(8000~33000)	35000(9800~36000)	36000(8000~38000)	48000(12000~48000)	53000(13000~55000)
	Cooling Input	W	1770(240~1900)	1770(250~1890)	2400(330~3000)	2400(380~2990)	2950(520~3780)	3600(637~4300)	3875(520~4150)	5650(540~5330)	5874(550~6260)
	Cooling Current	A	7.3(0.8~8.5)	7.39(1.0~8.0)	9.1(1.2~11.6)	9.0(1.0~12.0)	12(2.4~16)	15.65(2.76~18.69)	16.85(2.26~18)	22.3(3~22.5)	23.8(2.2~25.3)
	SEER2	Btu/h/W	10.2	10.2	10	10	10.2	9.7	9.3	8.6	9
	EER2	Btu/h/W	15.2	15.2	15.4	15.7	14.9	14.6	14.4	14.3	15.2
	Cooling Capacity Range	Btu/h									
	Cooling Input (range)	W									
	Cooling Current(range)	A									
	Heating Capacity	Btu/h	18000(5000~18500)	18500(6500~19800)	26000(9900~32000)	25600(9700~31000)	31000(8000~34000)	36000(7800~36000)	35000(8000~40000)	51000(11000~54000)	54000(15000~63000)
	Heating Input	W	1600(300~1800)	1705(480~2100)	2324(520~3100)	2246(510~3000)	2650(550~3000)	3300(570~3373)	3216(600~3100)	5150(710~5580)	5050(790~5900)
	Heating Current	A	6.6(1.2~7.5)	7.64(2.0~11.0)	8.4(2.3~17.0)	8.5(2.0~12.0)	10.5(2.6~12.5)	14.34(2.47~14.66)	13.98(2.61~13.5)	22(3.6~22.5)	20(4.13~25)
	HSPF2-4	Btu/h/W	8.5	8.6	9.2	9.8	9.3	7.7	8	8.3	8.5
	HSPF2-5	Btu/h/W	6.9	6.9	7.2	8	7.1	6.1	6.2	6.6	6.6
	COP	W/W	3.3	3.18	3.28	3.34	3.32	3.2	3.19	2.9	3.13
	Heating Capacity Range	Btu/h									
	Heating Input(range)	W									
	Heating Current(range)	A									
	Heating(H32) Rated capacity	Btu/h	12800	13000	22600	22000	22000	19400	19800	30500	34000
	Heating(H32) COP	W/W	2.6	2.6	8.7	2.5	2.6	2.1	2.2	2.2	2.2
	Heating(H42) Rated capacity	Btu/h	11200	10400	16000	18500	19000	20200	20800	28000	32000
	Heating(H42) COP	W/W	2	1.94	2	2.2	1.81	1.91	1.9	1.8	1.9
	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	16	19	19	20	24	24	34	34
	Outdoor MAX.FUSE	A	20	20	30	30	35	40	40	50	60
	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
	Indoor Indoor fan motor RLA	A	/	/	/	/	/	/	/	/	/
	Outdoor Outdoor fan motor RLA	A	1	1	1	1	1.35	1.48	1.48	2.4	2.4
	Outdoor Compressor Rated current(RLA)	A	9	9	14	14	16	17.6	17.6	24	24.6
	Outdoor Outdoor air flow	m^3/h	2465	2465	3000	3000	5100	3800	3800	7650	7500
	Outdoor Outdoor air flow	CFM	1450	1450	1764.71	1764.71	3000	2235.29	2235.29	4500	4411.76
	Outdoor noise level (Hi)	dB(A)	57	58	59	61.5	63	63	61.5	63	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
	Outdoor Refrigerant type		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
	Outdoor Refrigerant charge	kg	1.6	1.6	2.1	2.1	3.05	3.7	3.7	4.7	4.9
	Outdoor Refrigerant charge	oz	56.44	56.44	74.08	74.08	107.59	130.51	130.51	165.79	172.84
	Outdoor Additional charge per metre	g/m	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
	Outdoor Throttle type		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)
	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)	7/8'' (22mm)
	Max. refrigerant pipe length	m	50	50	50	50	50	65	65	65	65
	Max. Piping Length	ft	164	164	164	164	164	213	213	213	213
	Max. difference in level	m	25	25	25	25	25	30	30	30	30
	Max. Height Difference	ft	82	82	82	82	82	98	98	98	98
	Room temperature_Indoor(cooling)	°C	16～32	16～32	16～32	16～32	16～32	16～32	16～32	16～32	16～32
	Room temperature_Outdoor(cooling)	°C	-15～50	-15～50	-15～50	-15～50	-15～50	-15～50	-15～50	-15～50	-15～50
	Room temperature_Indoor(heating)	°C	0～30	0～30	0～30	0～30	0～30	0～30	0～30	0～30	0～30
	Room temperature_Outdoor(heating)	°C	-25～24	-25～24	-25～24	-25～24	-25～24	-25～24	-25～24	-25～24	-25～24
	Indoor Operating Temp. Range(Cooling)	°F	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90	60~90
	Outdoor Operating Temp. Range(Cooling)	°F	5~122	5~122	5~122	5~122	5~122	5~122	5~122	5~122	5~122
	Indoor Operating Temp. Range(Heating)	°F	32-86	32-86	32-86	32-86	32-86	32-86	32-86	32-86	32-86
	Outdoor Operating Temp. Range(Heating)	°F	-13～75	-13～75	-13～75	-13～75	-13～75	-13～75	-13～75	-13～75	-13～75
Size/Weight	Indoor Unit Net/Gross weight	kg	18.9/21.1	19.4/23.6	18.9/21.1	19.4/23.6	30.2/35	27.3/31.3	30.2/35	30.2/35	39.3/44.6
	Indoor Unit Net/Gross weight	lb	41.67/46.52	42.77/52.03	41.67/46.52	42.77/52.03	66.58/77.16	60.19/69.00	66.58/77.16	66.58/77.16	86.64/98.33
	Indoor Body Dimension W×D×H	mm	368 × 533 × 457	445 × 533 × 457	368 × 533 × 457	445 × 533 × 457	534 × 533 × 611	445 × 533 × 599	534 × 533 × 611	534 × 533 × 611	622 × 533 × 711
	Indoor Unit Dimension WxDxH	inch	14-1/2 x 21 x 18	17-1/2 x 21 x 18	14-1/2 x 21 x 18	17-1/2 x 21 x 18	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	445 × 645 × 525	520 × 665 × 530	445 × 645 × 525	520 × 665 × 530	610 × 665 × 685	520 × 665 × 670	610 × 665 × 685	610 × 665 × 685	705 × 665 × 770
	Indoor Package Dimension WxDxH	inch	17-1/2 x 25-3/8 x 20-5/8	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	27-3/4 x 26-1/8 x 30-3/8
	Outdoor Unit Net/Gross weight	kg	34.4/36.9	34.4/36.9	46.4/49.5	46.4/49.5	64.3/68.7	68.8/73.1	68.8/73.1	98.7/112.8	98.5/112.7
	Outdoor Unit Net/Gross weight	lb	75.84/81.35	75.84/81.35	102.29/109.13	102.29/109.13	141.76/151.46	151.68/161.16	151.68/161.16	217.59/248.68	217.15/248.46
	Outdoor Body Dimension W×D×H	mm	805 ×330 ×554	805 ×330 ×554	890 × 342 × 673	890 × 342 × 673	946 × 410 × 810	946 × 410 × 810	946 × 410 × 810	952 × 415 × 1333	952 × 415 × 1333
	Outdoor Unit Dimension WxDxH	inch	31-3/4 x 13 x 21-3/4	31-3/4 x 13 x 21-3/4	35 x 13-1/2 x 26-1/2	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	37-1/2 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	915×370×615	915×370×615	995 × 398 × 740	995 × 398 × 740	1090 × 500 × 885	1090 × 500 × 885	1090 × 500 × 885	1095 × 495 × 1480	1095 × 495 × 1480
	Outdoor Package Dimension WxDxH	inch	36 x 14-9/16 x 24-3/16	36 x 14-9/16 x 24-3/16	39-1/8 x 15-5/8 x 29-1/8	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	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-34-10-1-3	ZKFN-34-10-1-3	ZKFN-80-8-3	ZKFN-80-8-3	ZKFN-120-8-2	ZKFN-120-8-2	ZKFN-120-8-2	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	840/700/650	840/700/650	810/720	810/720	1150/1050/900/850	1150/1050/900/850	1150/1050/900/850	850/750/650	900/850/650
OutdoorElectricalMotor2	Outdoor Outdoor Fan Motor Model		/	/	/	/	/	/	/	ZKFN-85-8-22-5	ZKFN-85-8-22-5
	Outdoor Outdoor Fan Motor Output power2	W	/	/	/	/	/	/	/	/	/
	Outdoor Outdoor Fan Motor Speed(Hi/Mid/Lo)2	r/min	/	/	/	/	/	/	/	850/750/650	900/850/650
Compressor	Outdoor Compressor Type		ROTARY	ROTARY	Twin-ROTARY	Twin-ROTARY	ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Outdoor Compressor Model		KSN140D21UFZ	KSN140D21UFZ	KTM240D57UMT	KTM240D57UMT	KTF250D22UMT	KTF250D22UMT	KTF250D22UMT	KTQ420D1UMU	KTQ420D1UMU
	Outdoor Compressor Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Outdoor Compressor Capacity	W	4385	4385	7740	7740	8095	8095	8095	13700	13700
	Outdoor Compressor Input Power	W	1140	1140	2085	2085	2200	2200	2200	3700	3700
	Outdoor Compressor Rated current	A	9	9	14	14	16	17.6	17.6	24	24.6
	Outdoor Refrigerant oil		VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG74	VG75
	Outdoor Refrigerant oil charge	mL	440	440	670	670	670	670	670	1400	1400
BasicParameter(Indoor/Outdoor)	Indoor Loading quantity 40'HQ	set	450	385	450	385	336	385	336	228	162
	Outdoor Loading quantity 40'HQ	set	312	312	198	198	138	138	138	48	48

R410a
Refrigerant

SUBMITTAL DATA SHEET

Series Name: Extreme Heat COIL Series
Model Number: DLFULAH24XAX/DLCURAH18AAK

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		ROTARY
Compressor Model		KSN140D21UFZ
Refrigerant		R410A
Refrigerant Oil Charge(mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1450.0
Outdoor Noise Level (dBA)		57
Dimension (W×D×H)	**inch**	31-3/4 x 13 x 21-3/4
	mm	805 ×330 ×554
Package (W×D×H)	**inch**	36 x 14-9/16 x 24-3/16
	mm	915×370×615
Net/Gross Weight	**lbs**	75.84/81.35
	kg	34.4/36.9

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.2	**HSPF2-4**	8.50
EER2	15.2	**COP**	6.90

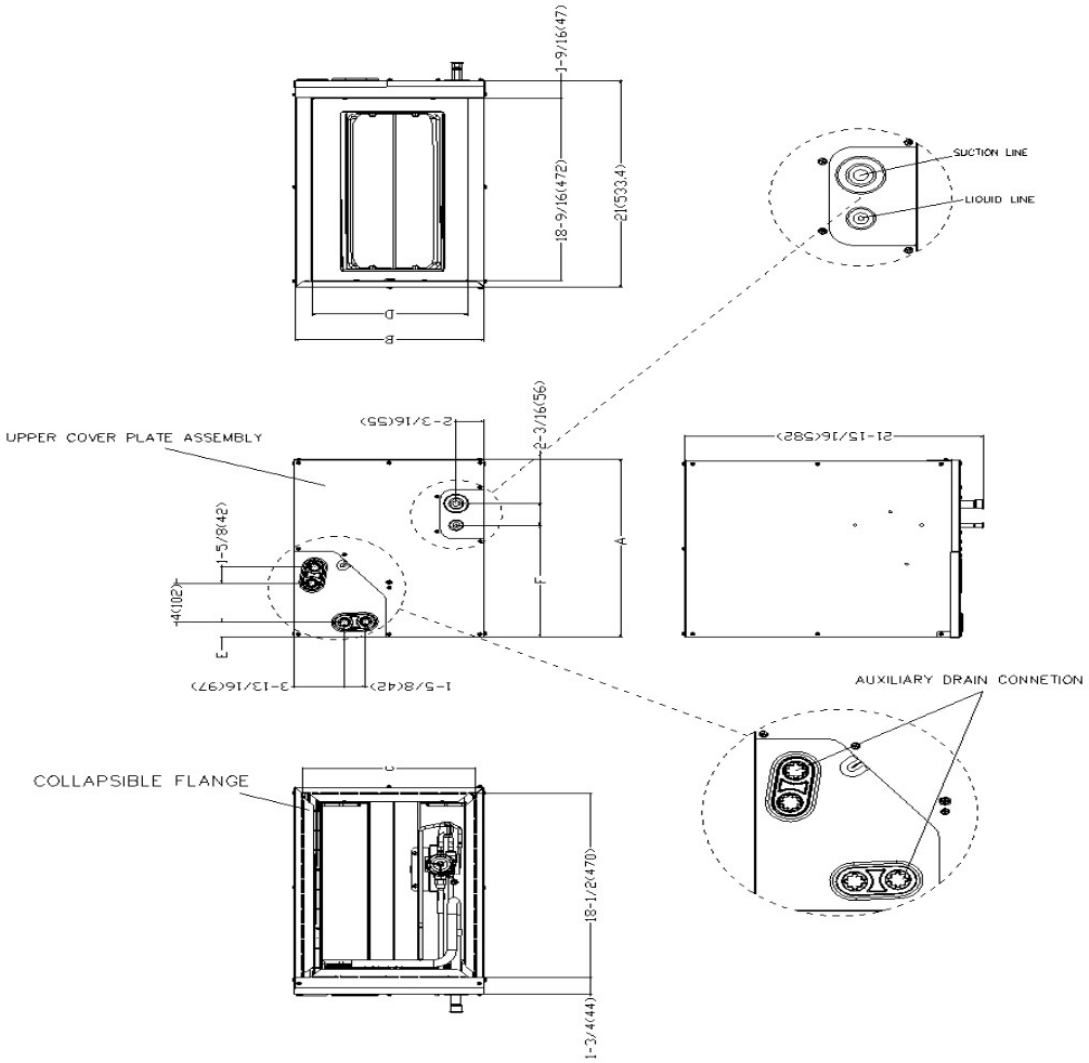
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	18000(6000~19000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	18000(5000~18500)
1. @ 47°F Min/Max Capacity	/
2. @ 17°F Rated	12800
3. @ 5°F Rated: Capacity / COP	11200/2
3. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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	16
Outdoor MOP	20
Communication Wiring	AWG 20/2
Compressor RLA	9
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1770(240~1900) ( )
System Power Input @ Heating (W)	1600(300~1800) ( )
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)	56.4384 (1.6)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

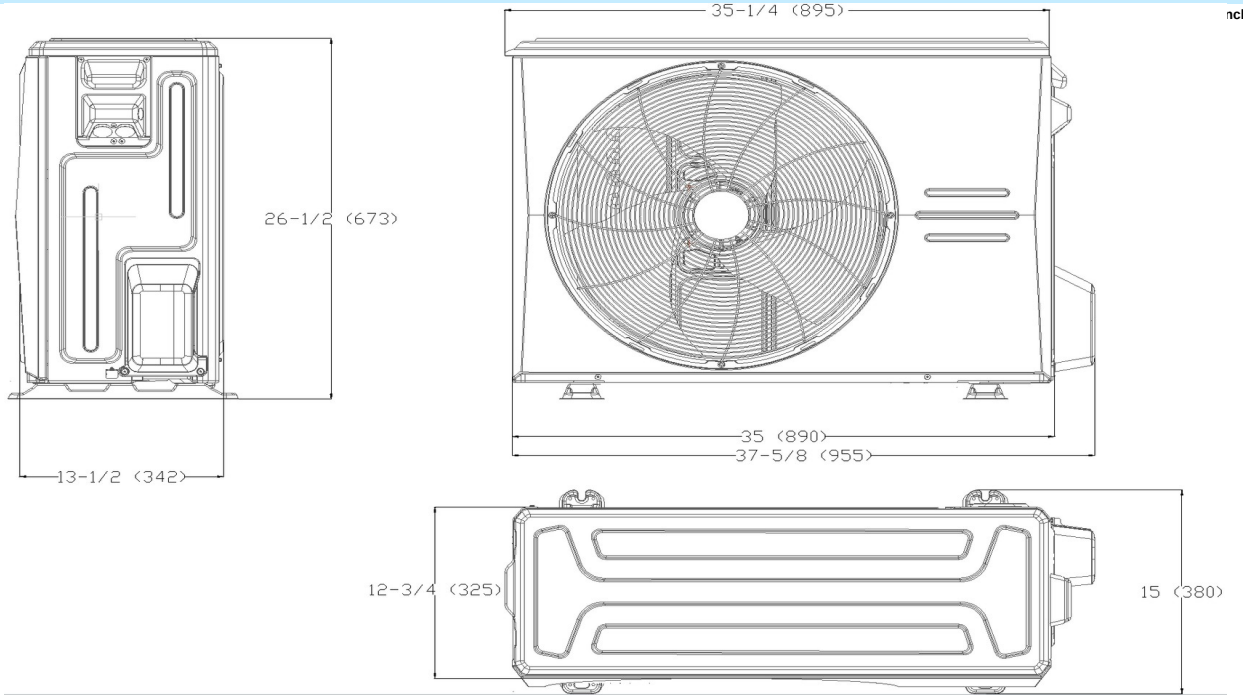


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

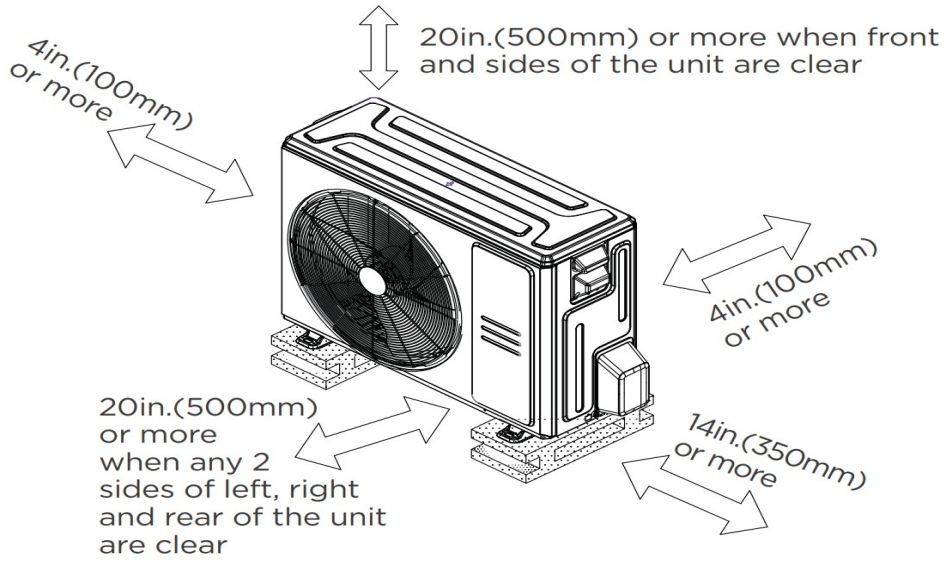
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height	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: DLFULAH24XBX/DLCURAH18AAK

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		ROTARY
Compressor Model		KSN140D21UFZ
Refrigerant		R410A
Refrigerant Oil Charge(mL)		440
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		1450.0
Outdoor Noise Level (dBA)		58
Dimension (W×D×H)	inch	31-3/4 x 13 x 21-3/4
	mm	805 ×330 ×554
Package (W×D×H)	inch	36 x 14-9/16 x 24-3/16
	mm	915×370×615
Net/Gross Weight	lbs	75.84/81.35
	kg	34.4/36.9

EFFICIENCY			
Cooling		Heating	
SEER2	10.2	HSPF2-4	8.60
EER2	15.2	COP	6.90

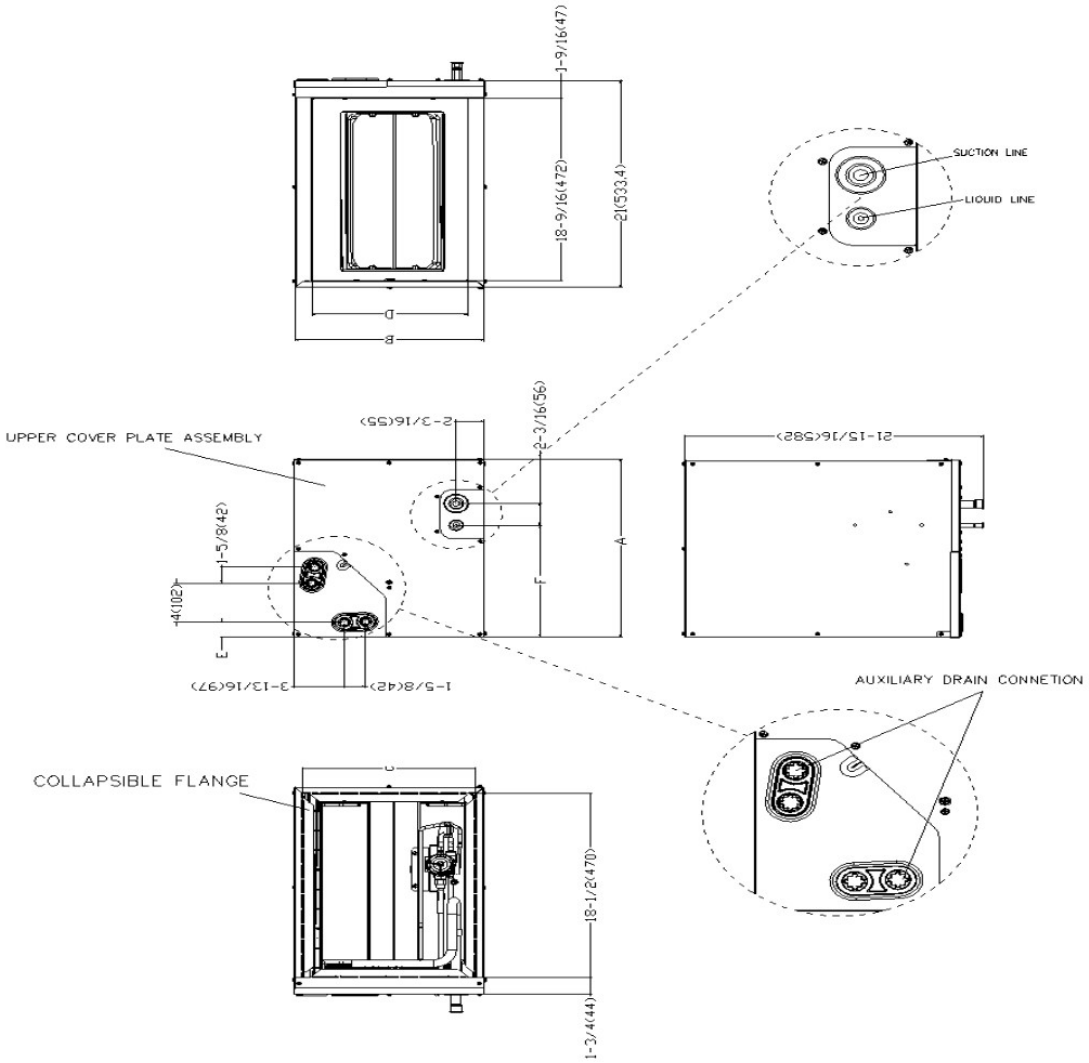
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	16
Outdoor MOP	20
Communication Wiring	AWG 20/2
Compressor RLA	9
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	1770(250~1890) ( )
System Power Input @ Heating (W)	1705(480~2100) ( )
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(5800~18600)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
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	18500(6500~19800)
1. @ 47°F Min/Max Capacity	/
2. @ 17°F Rated	13000
3. @ 5°F Rated: Capacity / COP	10400/1.94
3. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	56.4384 (1.6)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

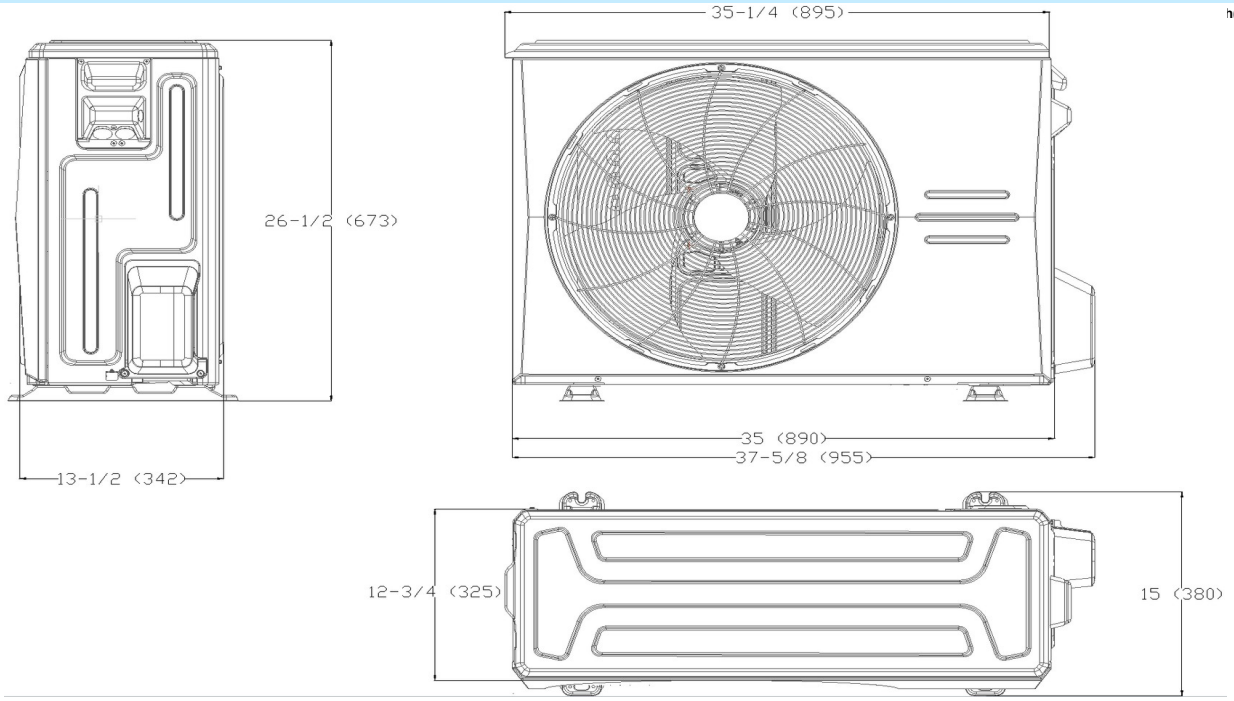


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

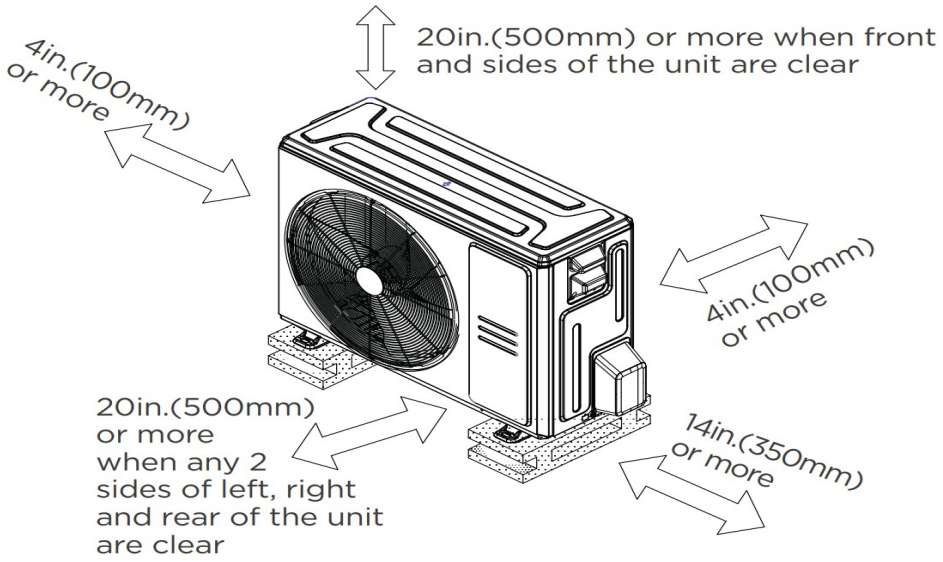
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height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

Outdoor Unit Dimension

h(mm)



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/DLCURAH24AAK

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	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)		1764.7
Outdoor Noise Level (dBA)		59
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	102.29/109.13
	kg	46.4/49.5

EFFICIENCY			
Cooling		Heating	
SEER2	10.0	HSPF2-4	9.20
EER2	15.4	COP	7.20

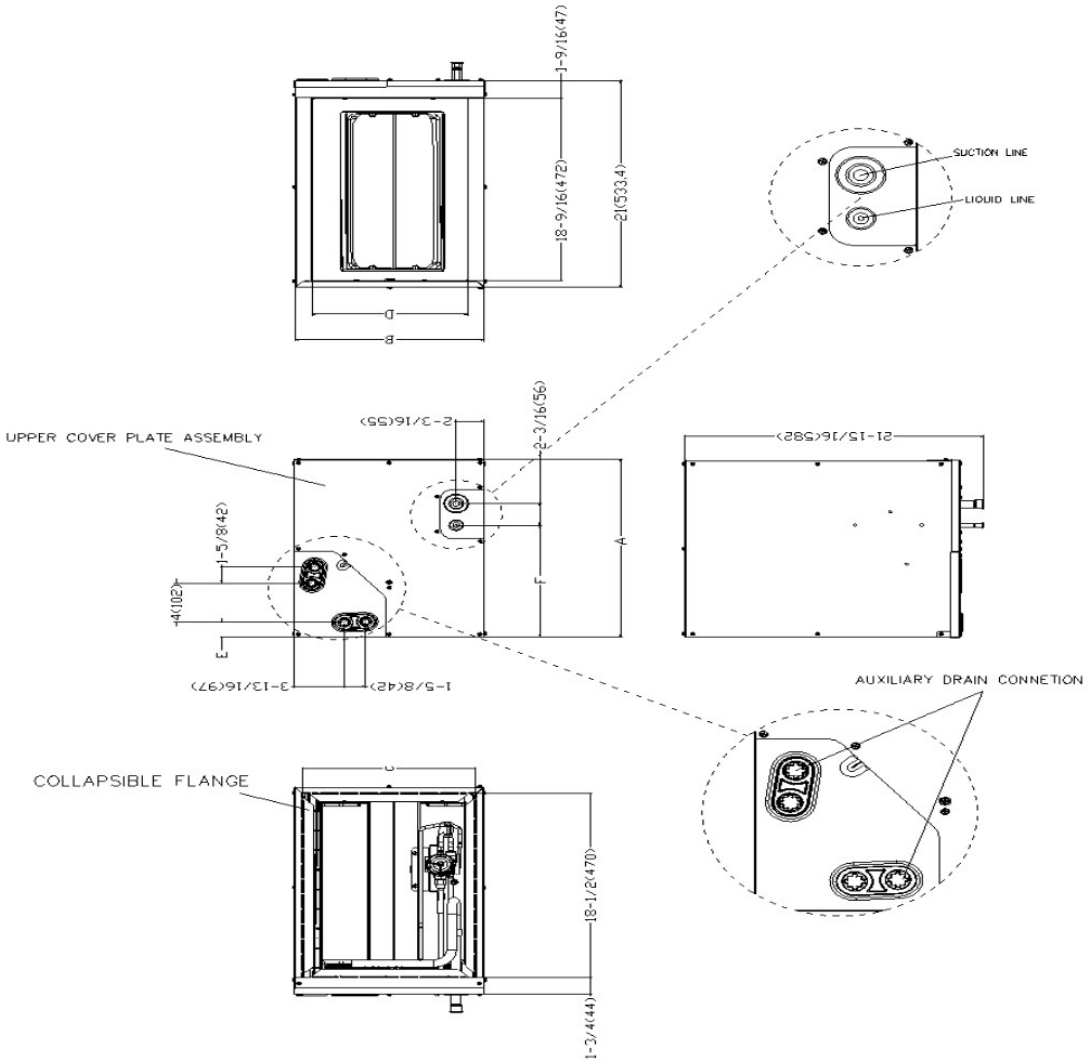
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	19
Outdoor MOP	30
Communication Wiring	AWG 20/2
Compressor RLA	14
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2400(330~3000) ( )
System Power Input @ Heating (W)	2324(520~3100) ( )
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(8200~27400)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
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	26000(9900~32000)
1. @ 47°F Min/Max Capacity	/
2. @ 17°F Rated	22600
3. @ 5°F Rated: Capacity / COP	16000/2
3. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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)	164 (50)
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

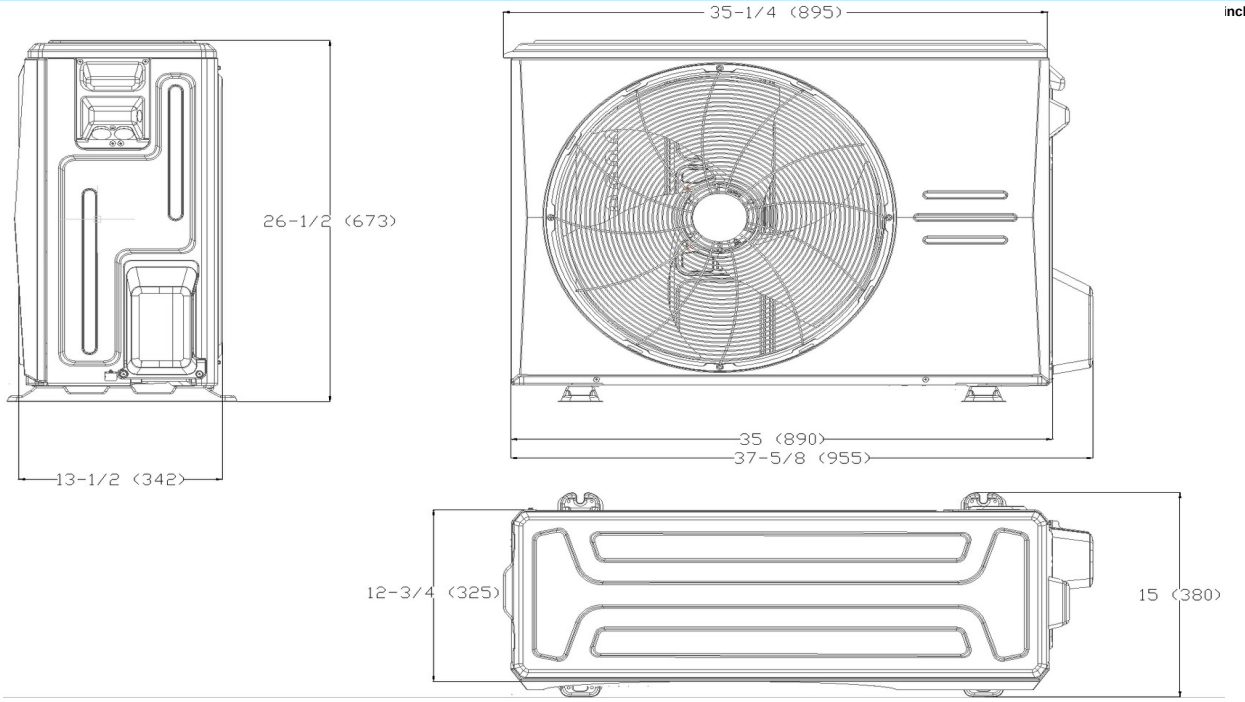


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

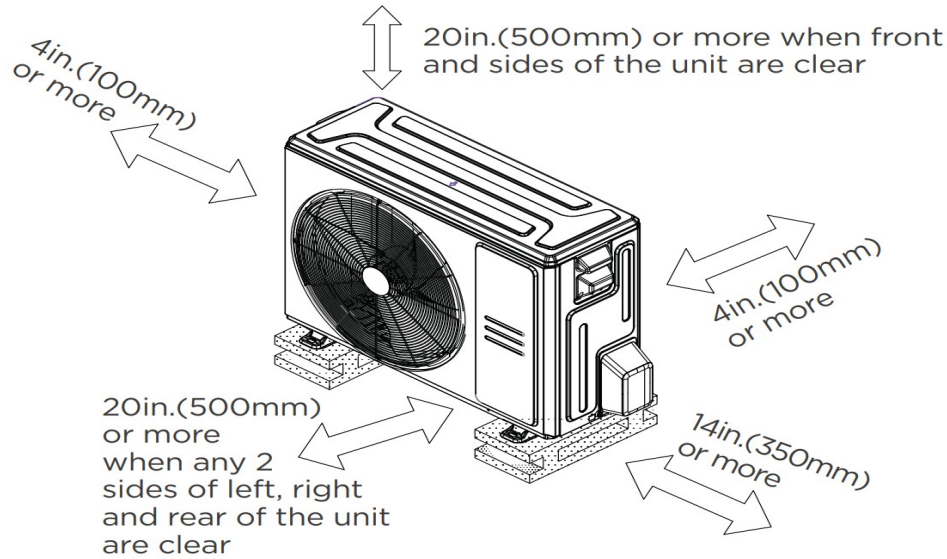
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height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

Outdoor Unit Dimension

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: DLFULAH24XBX/DLCURAH24AAK

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)		1764.7
Outdoor Noise Level (dBA)		61.5
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**	102.29/109.13
	kg	46.4/49.5

EFFICIENCY

Cooling		Heating	
SEER2	10.0	**HSPF2-4**	9.80
EER2	15.7	**COP**	8.00

PERFORMANCE of Cooling

Cooling (Btu/hr)	
Rated Capacity	24000(9800~28200)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
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	25600(9700~31000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	22000
4. @ 5°F Rated: Capacity / COP	18500/2.2
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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

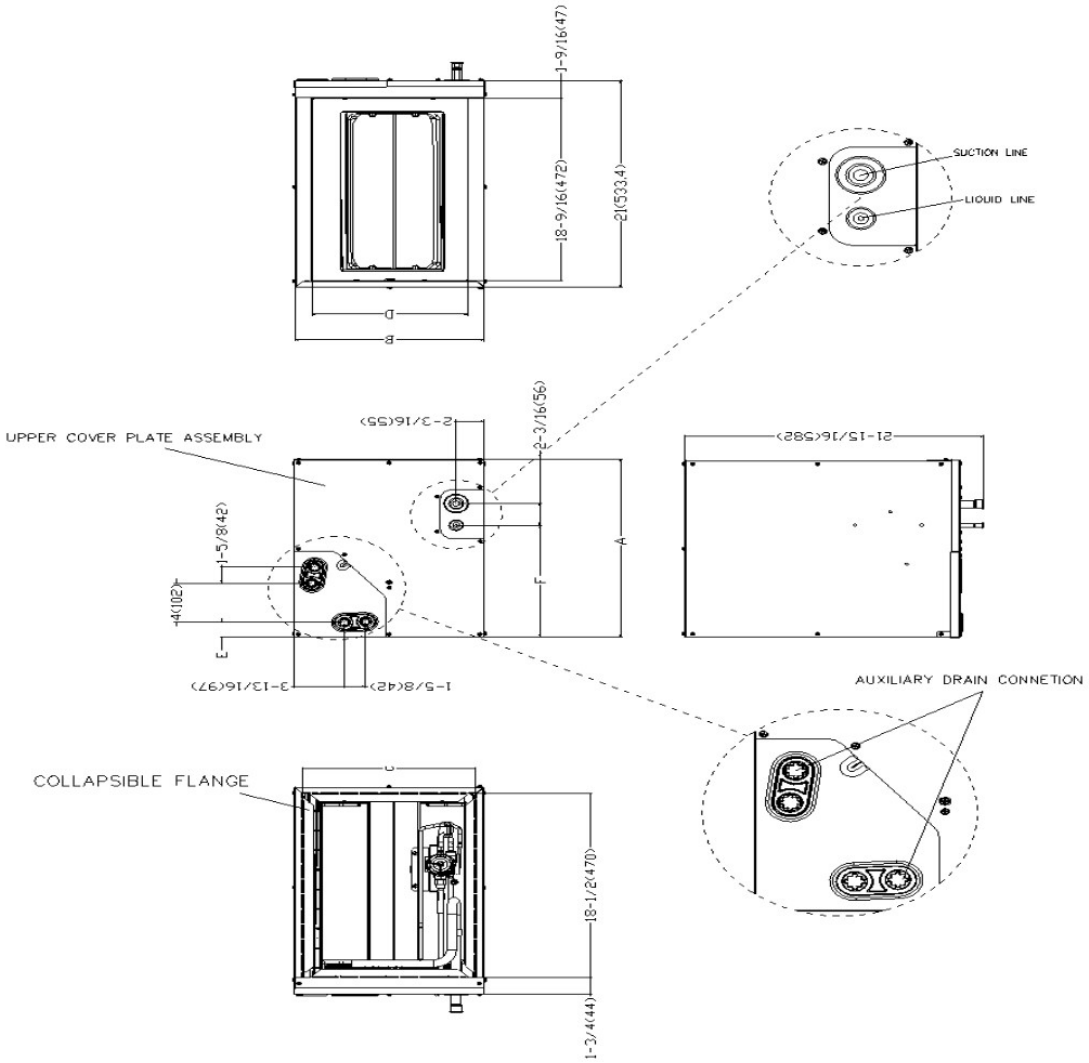
ELECTRICAL

Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	19
Outdoor MOP	30
Communication Wiring	AWG 20/2
Compressor RLA	14
Outdoor Fan Motor RLA	1
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2400(380~2990) ( )
System Power Input @ Heating (W)	2246(510~3000) ( )
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)	74.08 (2.1)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

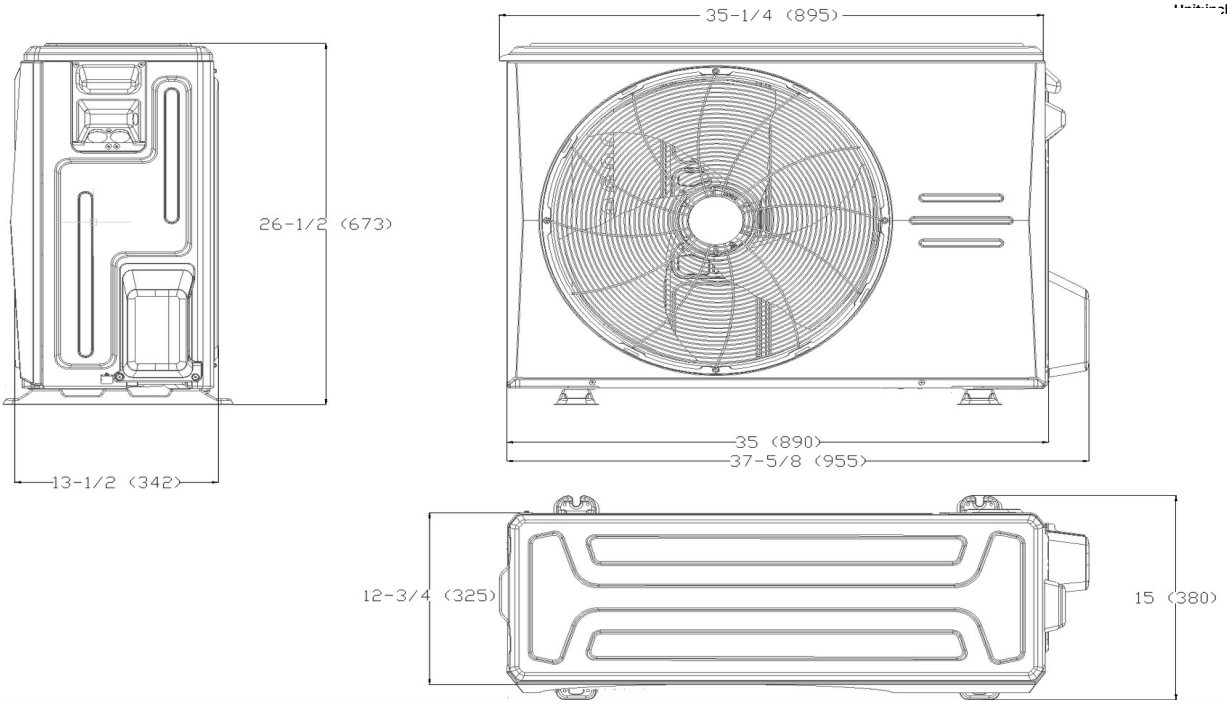


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

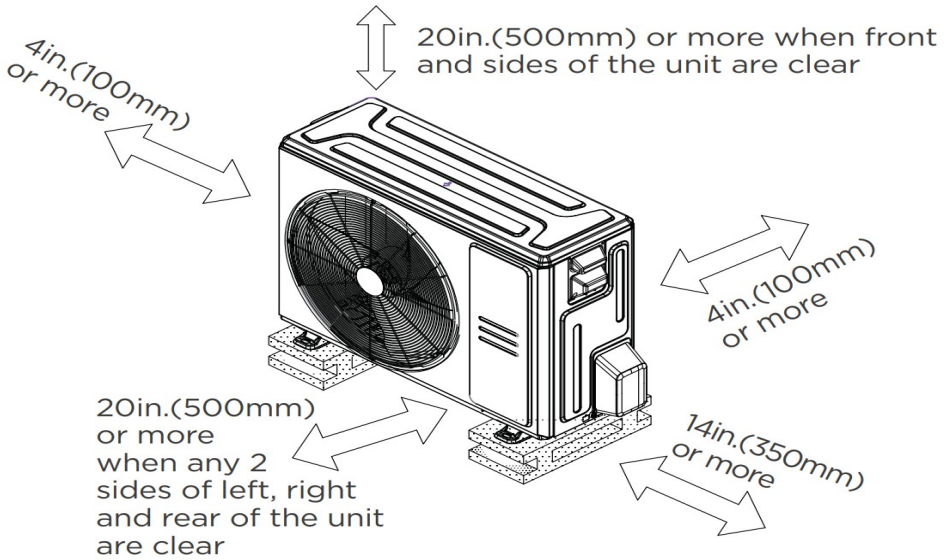
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height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

Outdoor Unit Dimension

Unit:inch(mm)



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/DLCURAH30AAK

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		KTF250D22UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		3000.0
Outdoor Noise Level (dBA)		63
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**	141.76/151.46
	kg	64.3/68.7

EFFICIENCY			
Cooling		**Heating**	
SEER2	10.2	**HSPF2-4**	9.30
EER2	14.9	**COP**	7.10

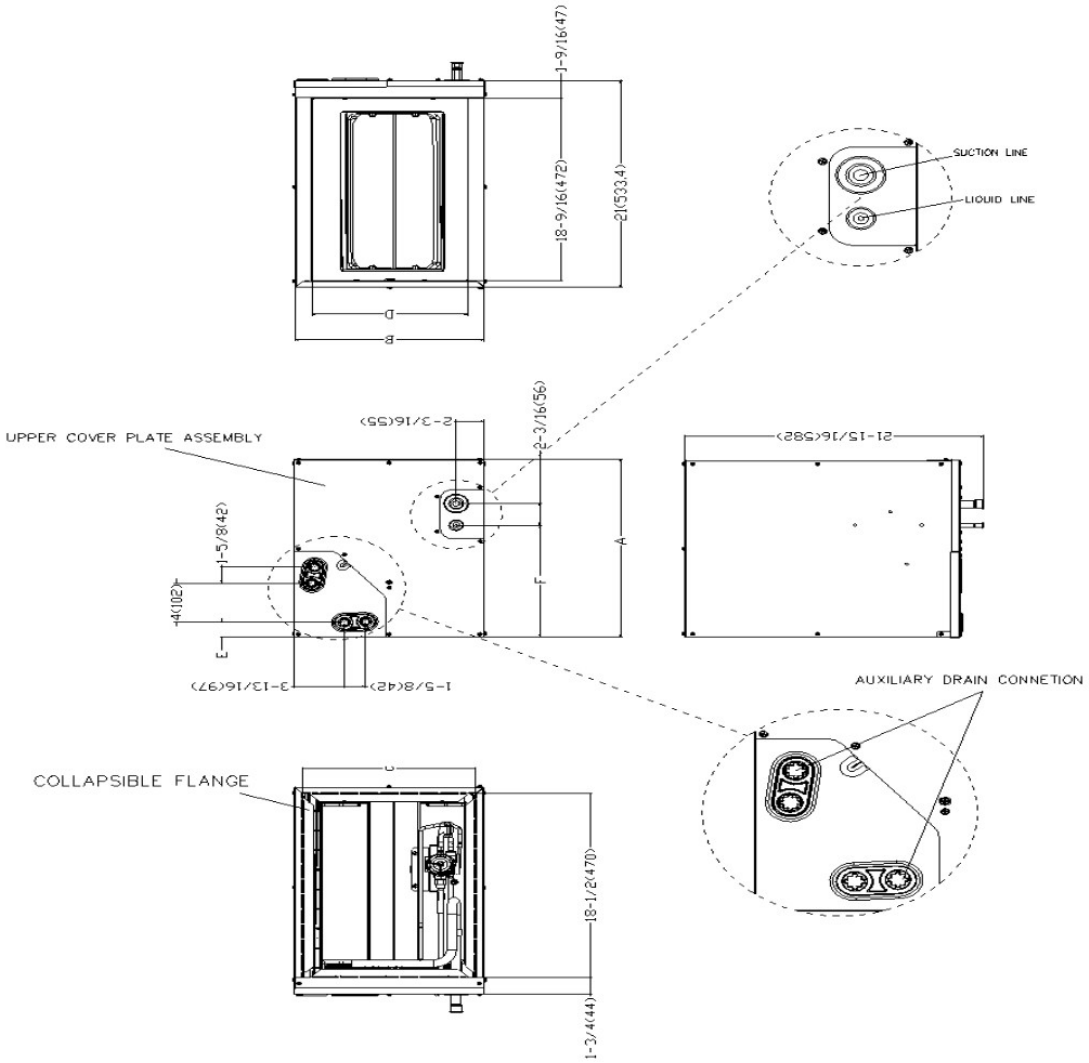
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	20
Outdoor MOP	35
Communication Wiring	AWG 20/2
Compressor RLA	16
Outdoor Fan Motor RLA	1.35
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	2950(520~3780) ( )
System Power Input @ Heating (W)	2650(550~3000) ( )
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	30000(8000~33000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
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(8000~34000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	22000
4. @ 5°F Rated: Capacity / COP	19000/1.81
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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)	164 (50)
Max. Height Difference(ft/m)	82 (25)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	107.5857 (3.05)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

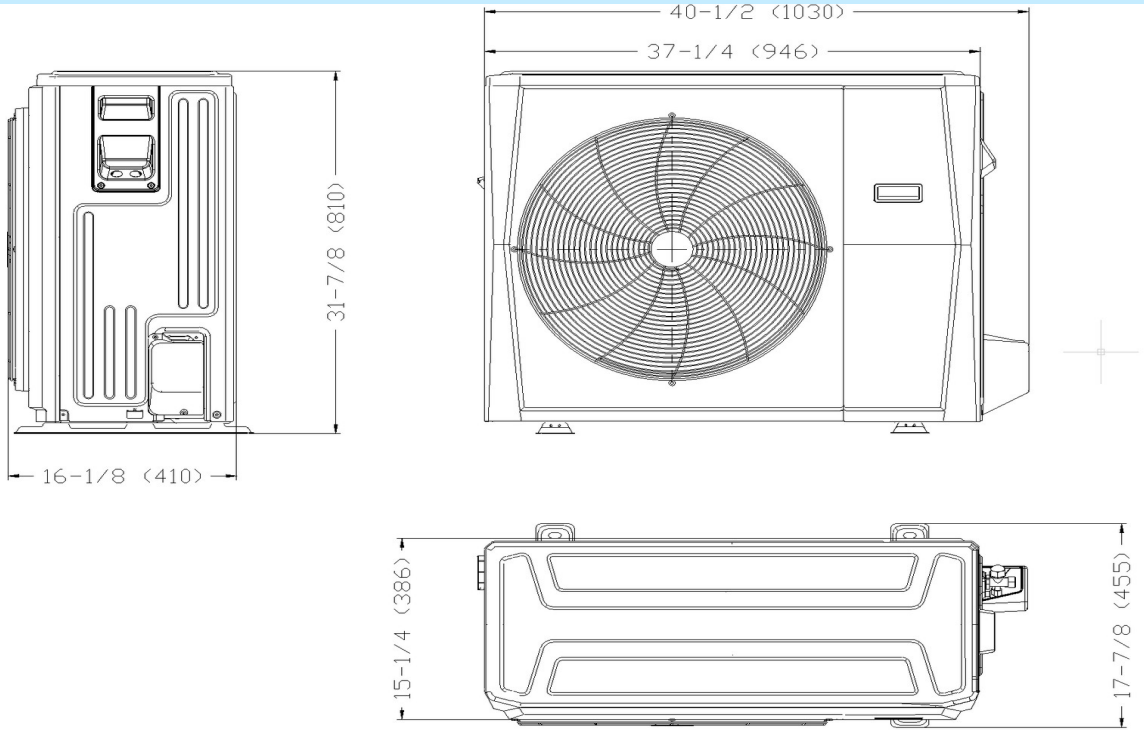


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

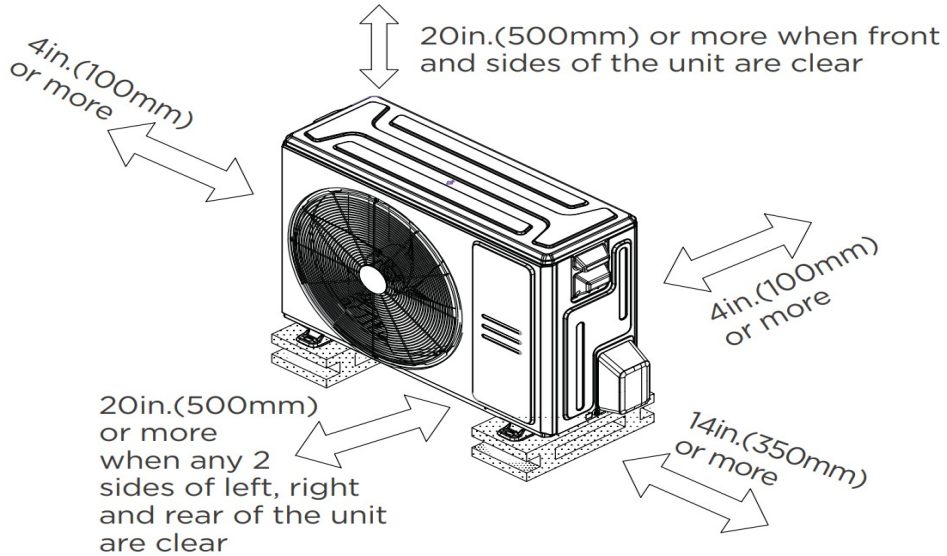
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height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

Outdoor Unit Dimension

:h(mm)



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: DLFULAH36XBX/DLCURAH36AAK

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		KTF250D22UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2235.3
Outdoor Noise Level (dBA)		63
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**	151.68/161.16
	kg	68.8/73.1

EFFICIENCY			
Cooling		**Heating**	
SEER2	9.7	**HSPF2-4**	7.70
EER2	14.6	**COP**	6.10

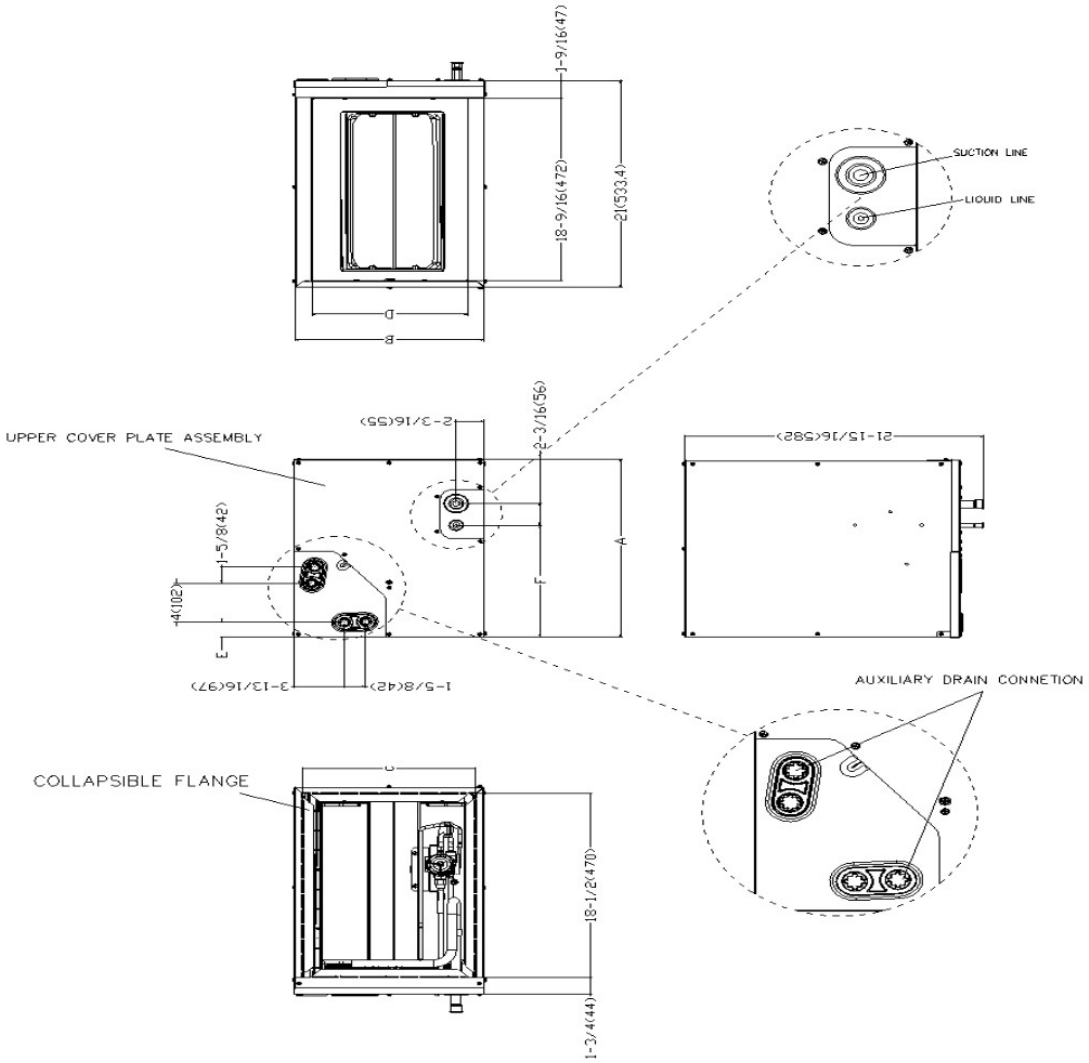
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	24
Outdoor MOP	40
Communication Wiring	AWG 20-2
Compressor RLA	17.6
Outdoor Fan Motor RLA	1.48
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3600(637~4300) ( )
System Power Input @ Heating (W)	3300(570~3373) ( )
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(9800~36000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
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(7800~36000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	19400
4. @ 5°F Rated: Capacity / COP	20200/1.91
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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)	213 (65)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	130.5138 (3.7)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

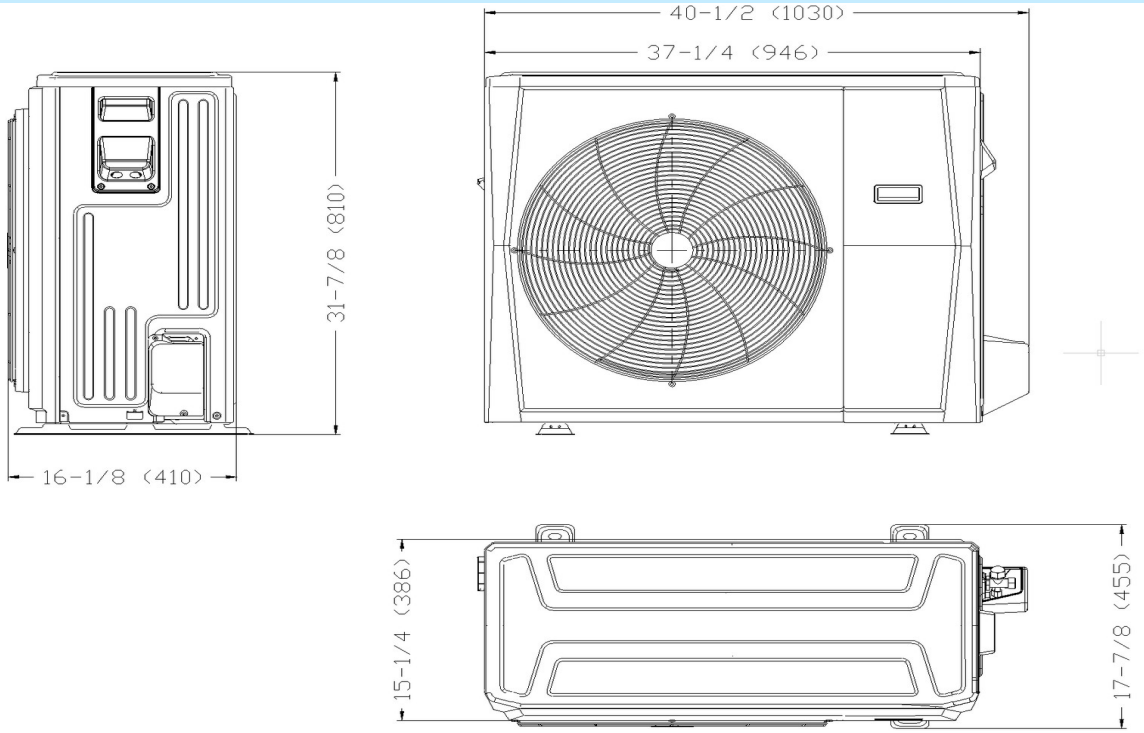


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

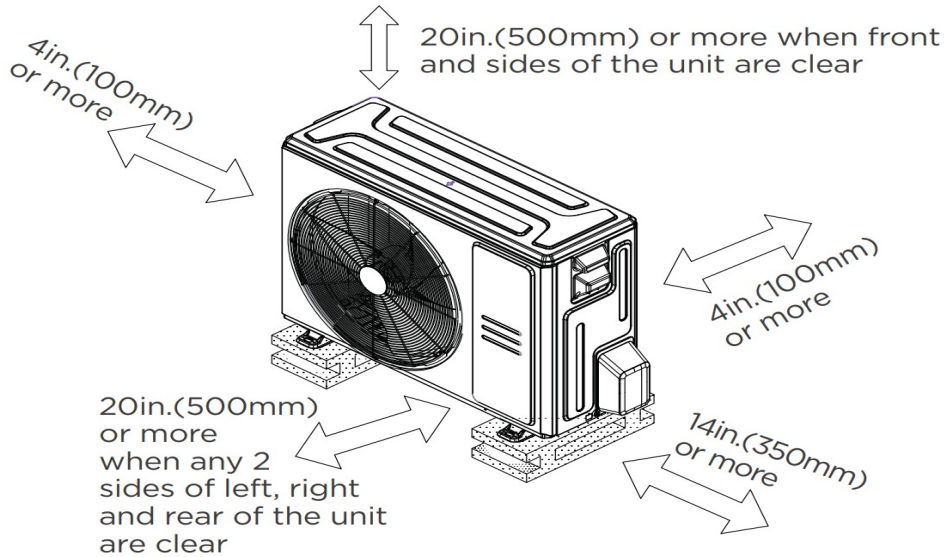
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height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

Outdoor Unit Dimension

:h(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/DLCURAH36AAK

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		KTF250D22UMT
Refrigerant		R410A
Refrigerant Oil Charge(mL)		670
Refrigerant Oil		VG74
Outdoor Air Flow (Max) (CFM)		2235.3
Outdoor Noise Level (dBA)		61.5
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	151.68/161.16
	kg	68.8/73.1

EFFICIENCY			
Cooling		Heating	
SEER2	9.3	HSPF2-4	8.00
EER2	14.4	COP	6.20

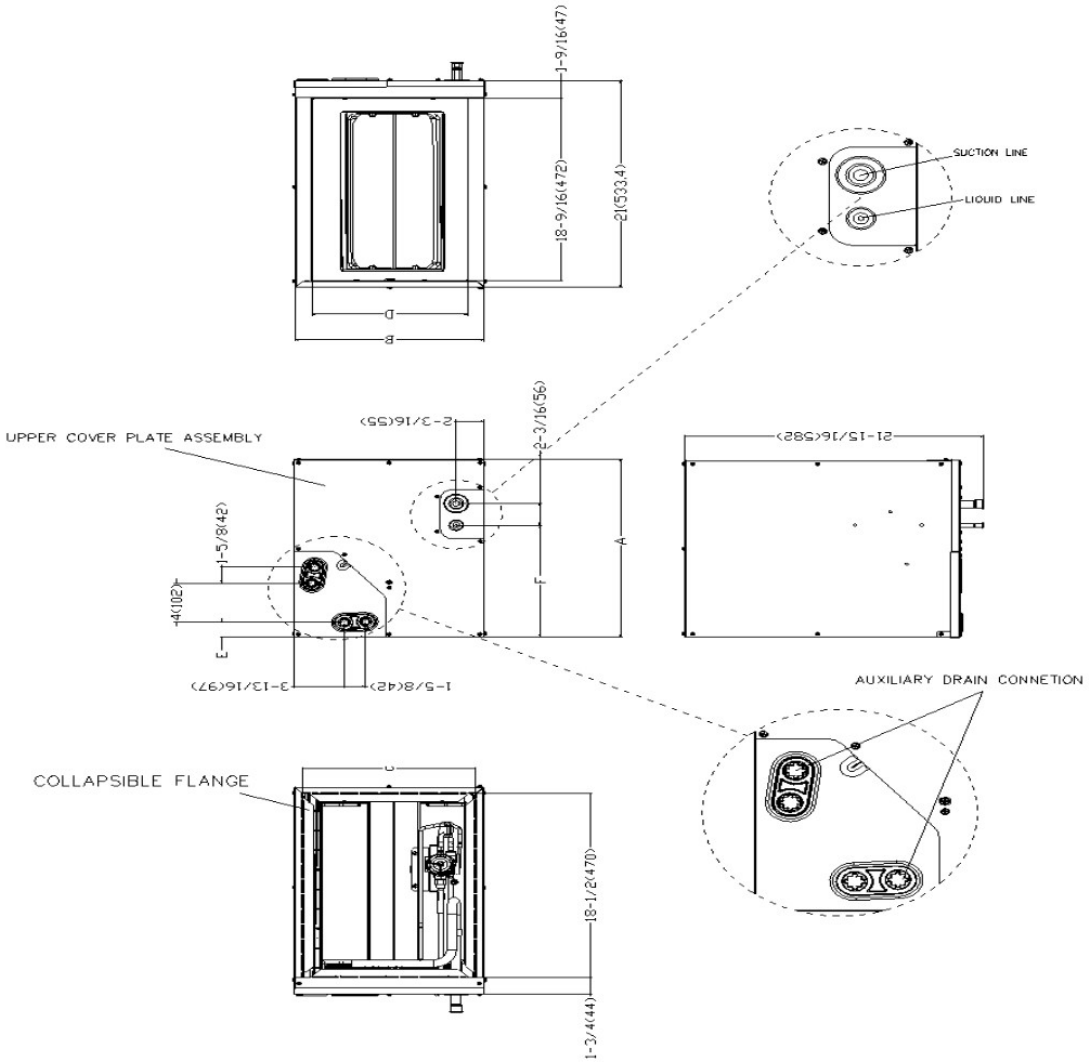
ELECTRICAL	
Indoor Power Supply	24V,60Hz,1Ph
Indoor MCA 115V/(208/230V)	/
Indoor MOP	/
Outdoor Power Supply	208/230,60Hz,1Ph
Outdoor MCA	24
Outdoor MOP	40
Communication Wiring	AWG 20/2
Compressor RLA	17.6
Outdoor Fan Motor RLA	1.48
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	3875(520~4150) ( )
System Power Input @ Heating (W)	3216(600~3100) ( )
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	36000(8000~38000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
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	35000(8000~40000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	19800
4. @ 5°F Rated: Capacity / COP	20800/1.9
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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)	213 (65)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	130.5138 (3.7)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

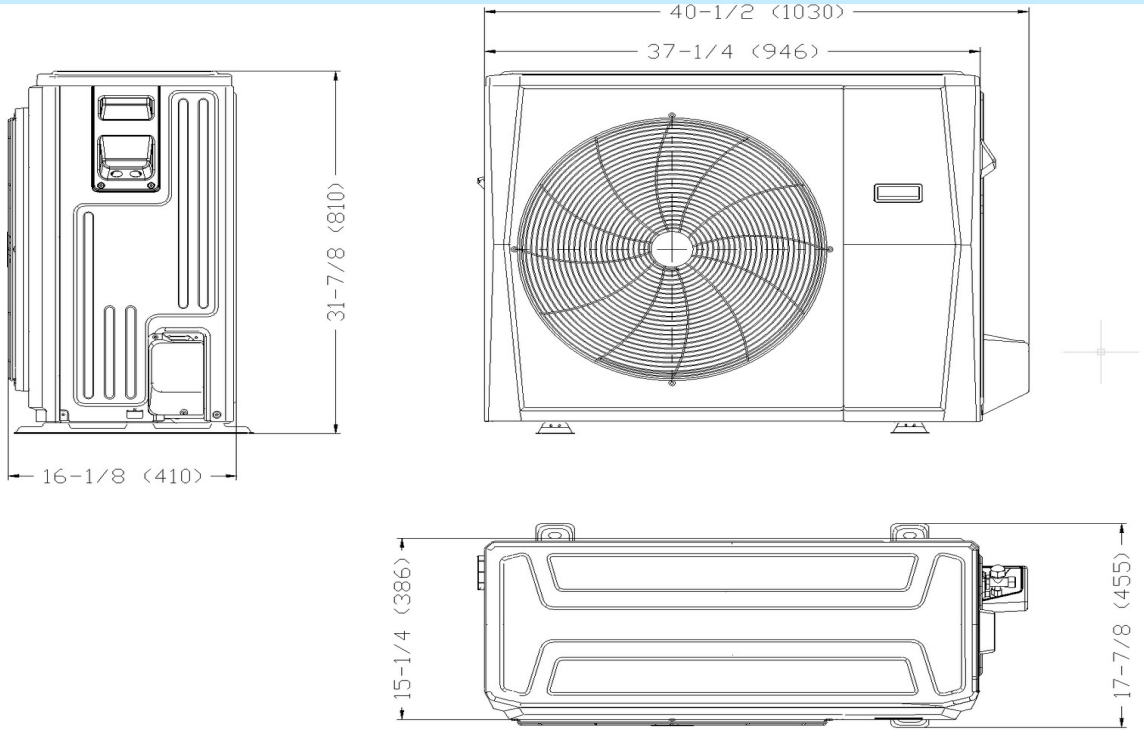


Dimensions \ Model(Btu/h)		24-A		36-A		36-B	
		inch	mm	inch	mm	inch	mm
A	Model Height	18	457	23-5/16	592	23-1/2	599
B	Model Width	14-1/2	368	14-1/2	368	17-1/2	445
C	Supply Air Opening Width	13-1/4	336	13-1/4	336	16-3/16	411
D	Return Air Opening Width	11-15/16	303	11-15/16	303	14-15/16	380
E	Condensate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

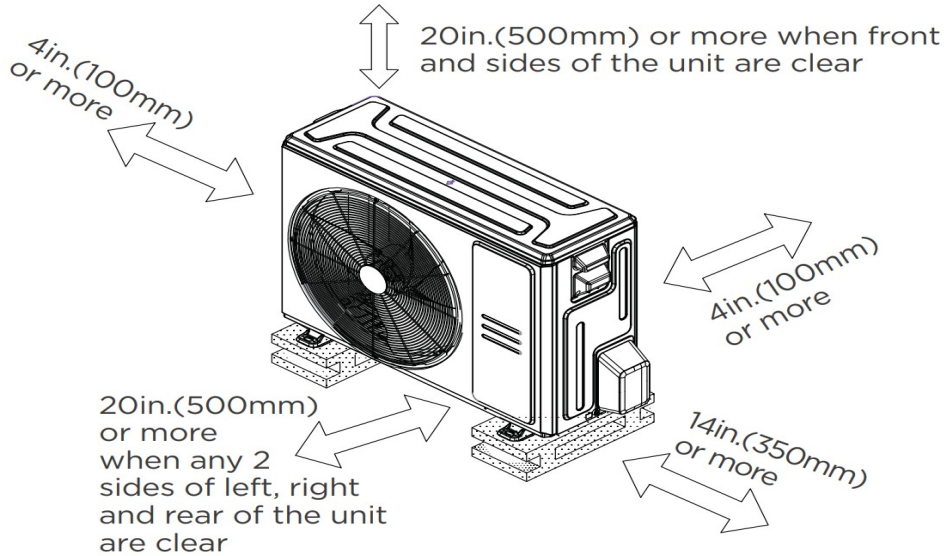
Dimensions \ Model(Btu/h)		24-B		36-C			
		inch	mm	inch	mm		
A	Model Height	18	457	24	611		
B	Model Width	17-1/2	445	21	534		
C	Supply Air Opening Width	16-3/16	411	19-3/4	502		
D	Return Air Opening Width	14-15/16	380	18-7/16	468		
E	Condensate Drains Height	1-7/16	38	2-3/16	55		
F	Liquid Line Height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

Outdoor Unit Dimension

:h(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/DLCURAH48AAK

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		KTQ420D1UMU
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1400
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**	217.59/248.68
	kg	98.7/112.8

EFFICIENCY			
Cooling		**Heating**	
SEER2	8.6	**HSPF2-4**	8.30
EER2	14.3	**COP**	6.60

PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	48000(12000~48000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

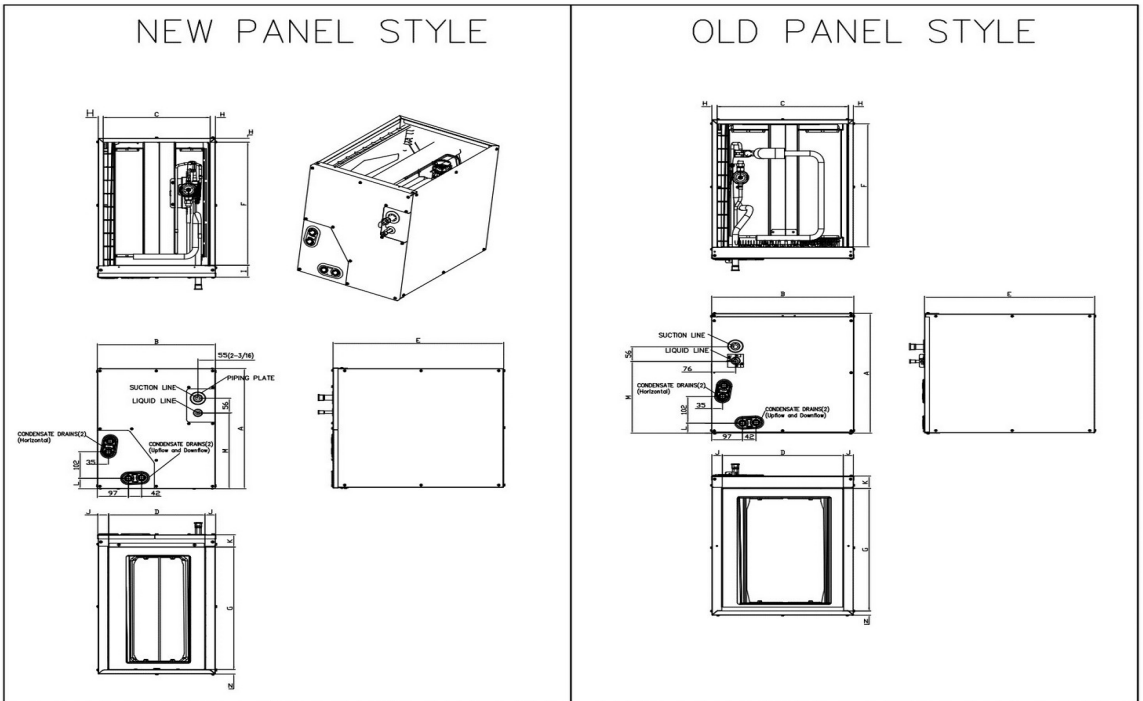
PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	51000(11000~54000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	30500
4. @ 5°F Rated: Capacity / COP	28000/1.8
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
1. Rated Heating Conditions:	Indoor: 70°F DB/60°F WB
	Outdoor: 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	34
Outdoor MOP	50
Communication Wiring	AWG 20/2
Compressor RLA	24
Outdoor Fan Motor RLA	2.4
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	5650(540~5330) ( )
System Power Input @ Heating (W)	5150(710~5580) ( )
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)	213 (65)
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

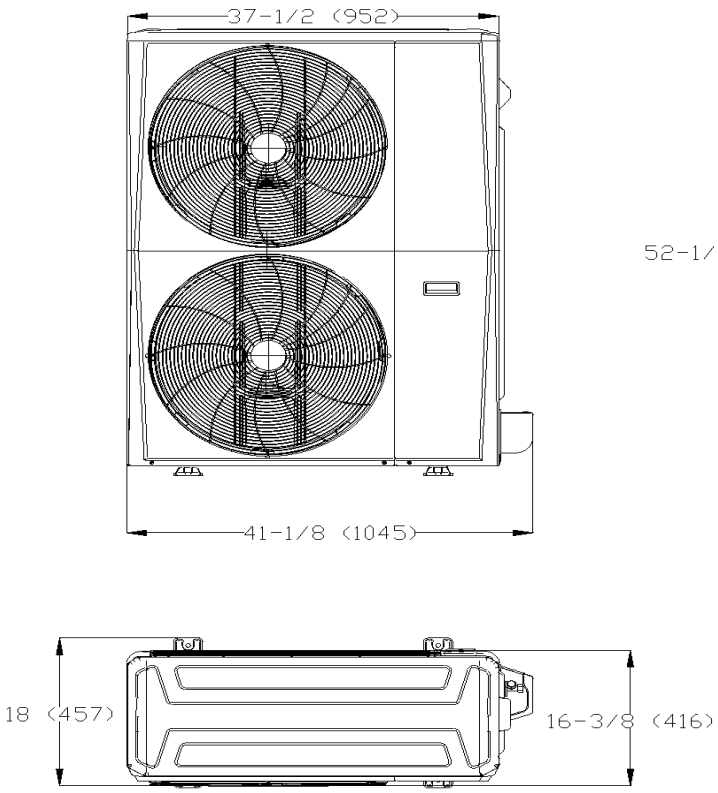
Unit:inch(mm)



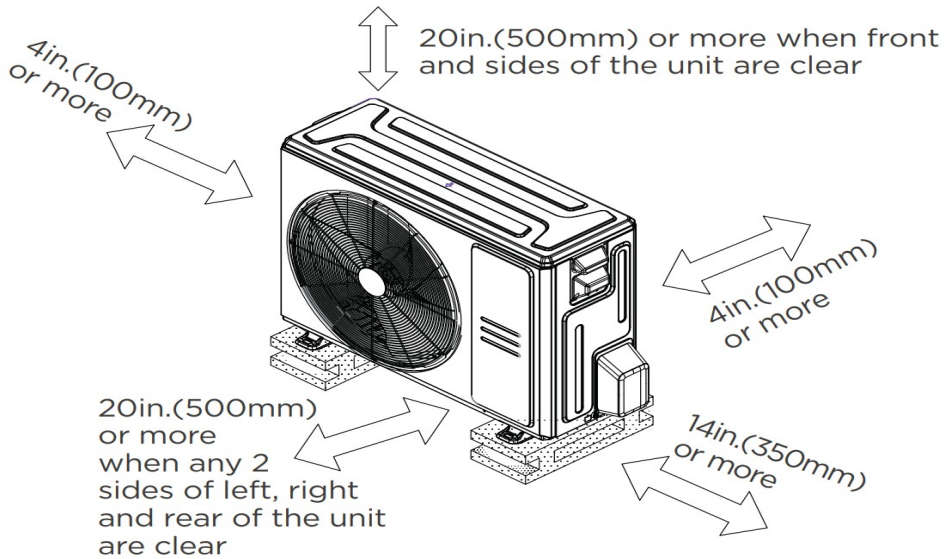
Dimensions \ Model(Btu/h)		KV-14F-A NEW PANEL STYLE 18K/20K/22K/24K		KV-14F-B NEW PANEL STYLE 30K(未投产)		KV-17F-A NEW PANEL STYLE 30K/36K		KV-17F-B OLD PANEL STYLE 18K/24K		KV-21F-A OLD PANEL STYLE 30K/36K/48K		KV-21F-B NEW PANEL STYLE 48K		KV-24F-A OLD PANEL STYLE 60K	
		inch	mm	inch	mm	inch	mm	inch	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

Ou

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/DLCURAH60AAK

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		KTQ420D1UMU
Refrigerant		R410A
Refrigerant Oil Charge(mL)		1400
Refrigerant Oil		VG75
Outdoor Air Flow (Max) (CFM)		4411.8
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**	217.15/248.46
	kg	98.5/112.7

EFFICIENCY			
Cooling		**Heating**	
SEER2	9.0	**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	34
Outdoor MOP	60
Communication Wiring	AWG 20-2
Compressor RLA	24.6
Outdoor Fan Motor RLA	2.4
Outdoor Fan Motor W	/
Indoor Fan Motor RLA	/
Indoor Fan Motor W	/
System Power Input @ Cooling (W)	5874(550~6260) ( )
System Power Input @ Heating (W)	5050(790~5900) ( )
MCA: Min. circuit amps (A)	**MOCP: Max. over current protection (A)**
RLA: Rated load amps (A)	**W: Fan motor rated output (W)**

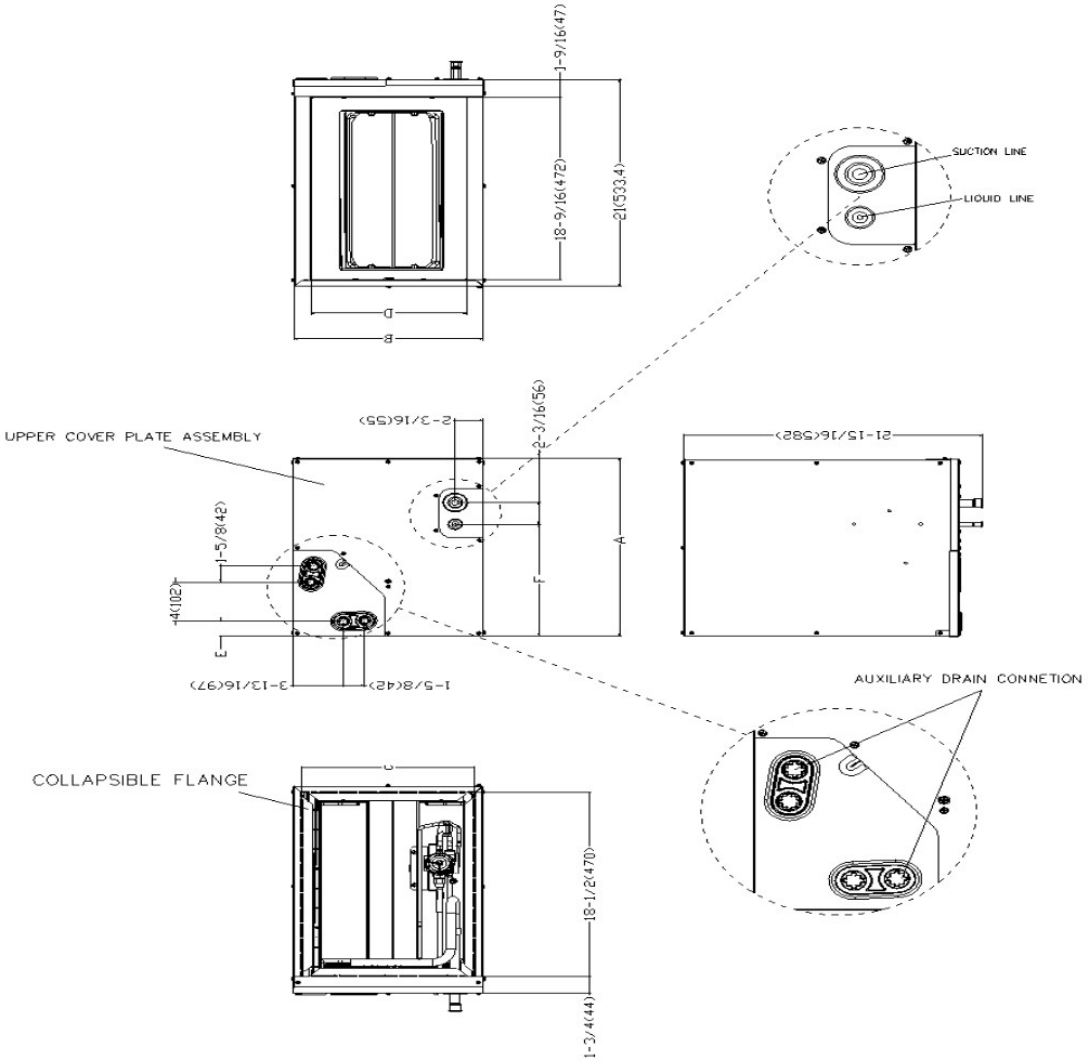
PERFORMANCE of Cooling	
Cooling (Btu/hr)	
Rated Capacity	53000(13000~55000)
Min/Max Capacity	/
Moisture Removal(L/h)	/
Standard Operating Range(°F/°C)	5~122 (-15~50)
Rated Cooling Conditions:	Indoor: 80°F DB/67°F WB
	Outdoor: 95°F DB/75°F WB

PERFORMANCE of Heating	
Heating (Btu/hr)	
1. @ 47°F Rated	54000(15000~63000)
2. @ 47°F Min/Max Capacity	/
3. @ 17°F Rated	34000
4. @ 5°F Rated: Capacity / COP	32000/1.9
5. @ 5°F Max: Capacity	/
Standard Operating Range(°F/°C)	-13~75 (-25~24)
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	7/8" (22mm)
Max. Piping Length(ft/m)	213 (65)
Max. Height Difference(ft/m)	98 (30)
Max. Pre-charged Length(ft/m)	25 (7.5)
Refrigerant Pre-charged Amount(oz/kg)	172.8426 (4.9)
Additional Charge of Refrigerant((oz/ft)/(g/m))	0.69 (65)
Connection Method	Flared

Indoor Unit Dimension

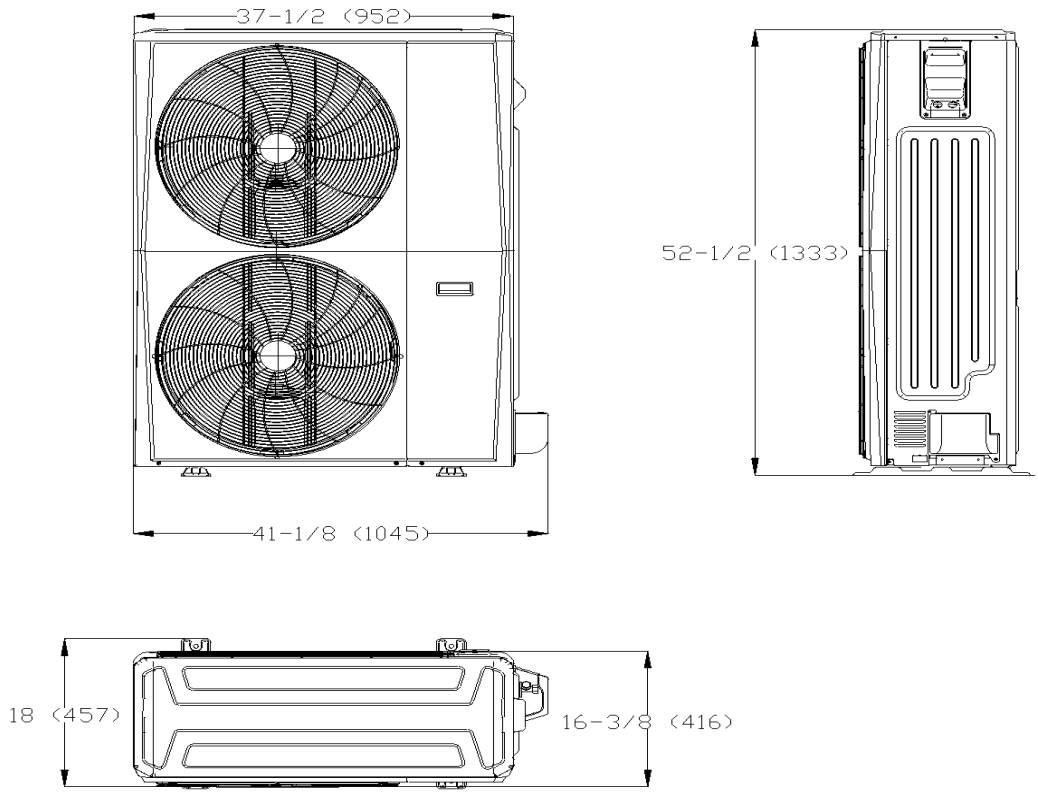
Unit:inch(mm)



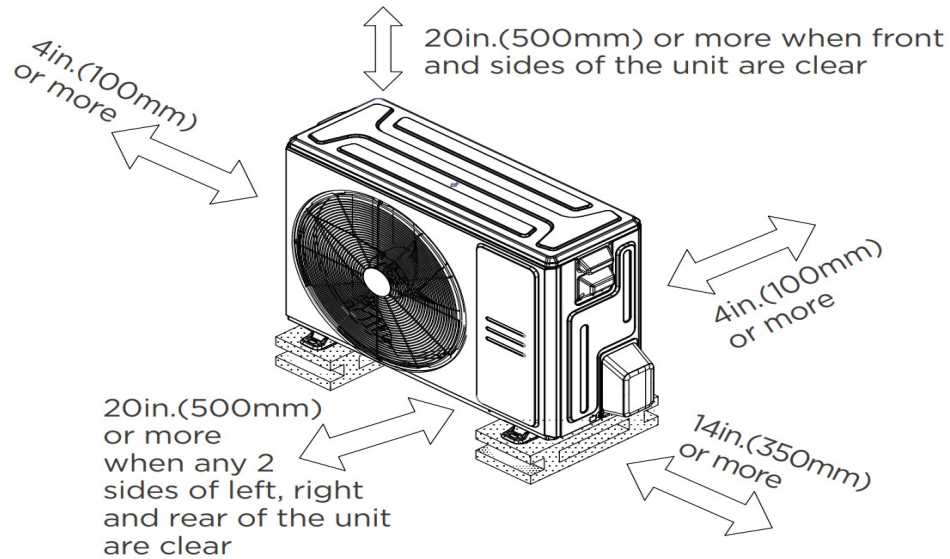
Model		60-D	
Dimensions		inch	mm
A	Model Height	28	711
B	Model Width	24-1/2	622
C	Supply Air Opening Width	23-1/4	591
D	Return Air Opening Width	23-1/8	587
E	Condensate Drains Height	2-3/16	55
F	Liquid Line Height	21-7/16	545

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