

R-32 Split System

Heat Pump

14.3 SEER2
1½ to 5 Tons



Product Features



Low GWP R32 refrigerant, environment friendly.



Protective steel louvered jacket



Efficient cooling range of 5° - 131°F



Small Footprint - AHRI Certified

Product Specifications

MODEL		AC-I-18HP14	AC-I-24HP14	AC-I-30HP14	AC-I-36HP14	AC-I-42HP14	AC-I-48HP14	AC-I-60HP14
ODU Power Supply(Volts; Hz; Phase)					208/230V,60Hz,1Ph			
Cooling Capacity	Btu/h	18000	24000	30000	34200	42000	46000	54000
Cooling Input	W	1538	2051	2564	2923	3590	3932	4615
Cooling Current	A	7	9	12	13	16	18	21
SEER2					14.3			
EER2					11.7			
Heating Capacity	Btu/h	17600	23000	29000	34000	42000	46000	52500
Heating Input	W	1350	1820	2360	2850	3160	3550	4050
Heating Current	A	6.1	8.2	10.7	12.9	14.3	16.1	18.3
HSPF2-4					7.5			
COP	W/W	3.8	3.7	3.6	3.5	3.9	3.8	3.8
Heating(H32) Rated capacity	Btu/h	11000	14500	18500	21800	27000	30000	37400
Heating(H32) COP	W/W	2.5	2.4	2.5	2.4	2.9	2.76	2.66
Heating(H42) Rated capacity	Btu/h	9200	12000	15500	18200	22400	25200	31400
Heating(H42) COP	W/W	2.4	2.2	2.2	2	2.8	2.6	2.5
Cooling Capacity at 109 F (43)	Btu/h	16200	21600	27000	30780	37800	41400	48600
Cooling Capacity at 5F (-15)	Btu/h	18540	24720	30900	35226	43260	47380	55620
Heating Capacity at 17F (-8.33)	Btu/h	11000	14500	18500	21800	27000	30000	37400
Heating Capacity at 5F(-15)	Btu/h	9200	12000	15500	18200	22400	25200	31400
Outdoor MINIMUM CIRCUIT AMPACITY	A	15	20.0	20.0	25.0	25.0	30.0	40.0
Outdoor MAX.FUSE	A	20	25	25	30	35	40	50
Communication Wiring					AWG 20×3 Shielded			
Outdoor fan motor RLA	A	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Outdoor Compressor Rated current(RLA)	A	6.45	8.35	9.8	11.75	12.5	14.6	16.3
Outdoor Outdoor air flow	CFM	2000	2000	2650	2650	2950	2950	2950
Outdoor noise level (Hi)	dB(A)	58	58	59	59	60	60	60
N.A. Design pressure	PSI				609/174			
Outdoor Refrigerant type		R32	R32	R32	R32	R32	R32	R32
Outdoor Refrigerant charge	oz	52.9	63.5	81.1	88.2	98.8	98.8	112.9
Outdoor Additional charge	oz/ft	0.52	0.52	0.52	0.52	0.52	0.52	0.52
Outdoor Throttle type					Capillary			
Liquid side	INCH				3/8in			
Gas side	INCH				3/4in			
Max. Piping Length	ft	98	131	131	131	164	213	213
Max. Height Difference	ft	66	82	82	82	82	98	98
Outdoor Operating Temp. Range(Cooling)		23-125.6	23-125.6	23-125.6	23-125.6	23-125.6	23-125.6	23-125.6
Outdoor Operating Temp. Range(Heating)		-4-86	-4-86	-4-86	-4-86	-4-86	-4-86	-4-86
Outdoor Unit Net/Gross weight	lb	117/123	119/126	139/148	145/154	176/187	176/187	182/193
Outdoor Unit Dimension WxDxH	Inch	23-5/8×23-5/8×25	23-5/8×23-5/8×25	29-9/64×29-9/64×25	29-9/64×29-9/64×25	29-9/64×29-9/64×32-7/8	29-9/64×29-9/64×32-7/8	29-9/64×29-9/64×32-7/8
Outdoor Package Dimension WxDxH	Inch	25-63/64×25-63/64×26-3/16	25-63/64×25-63/64×26-3/16	30-5/16×30-5/16×26-3/16	30-5/16×30-5/16×26-3/16	30-5/16×30-5/16×34-1/16	30-5/16×30-5/16×34-1/16	30-5/16×30-5/16×34-1/16
Outdoor Outdoor Fan Motor Model		DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)	DQ-DRN-310-200-8-B(A)
Outdoor Outdoor Fan Motor Output	W	200	200	200	200	200	200	200
Outdoor Compressor Type		Rotary	Rotary	Rotary	Rotary	Scroll	Scroll	Scroll
Outdoor Compressor Model		KSF155N2VETB3	KSF200N1VKTB3	KSF230N1VKTB	KSG280N1VMT	SKDA036N1ULB	SKDC041N1ULB	SKDC049N1ULB
Outdoor Compressor Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
Outdoor Compressor Capacity	W	5760	7590	8710	10530	12500	14200	19620
Outdoor Compressor Input Power	W	1315	1710	2005	2415	2747	3300	3090
Outdoor Compressor Rated current	A	6.45	8.35	9.8	11.75	12.5	14.6	13.6
Outdoor Refrigerant oil	VG74	VG74	VG74	VG74	VG74	VG46	VG46	VG46
Outdoor Refrigerant oil charge	mL	260	640	410	850	740	1240	1240