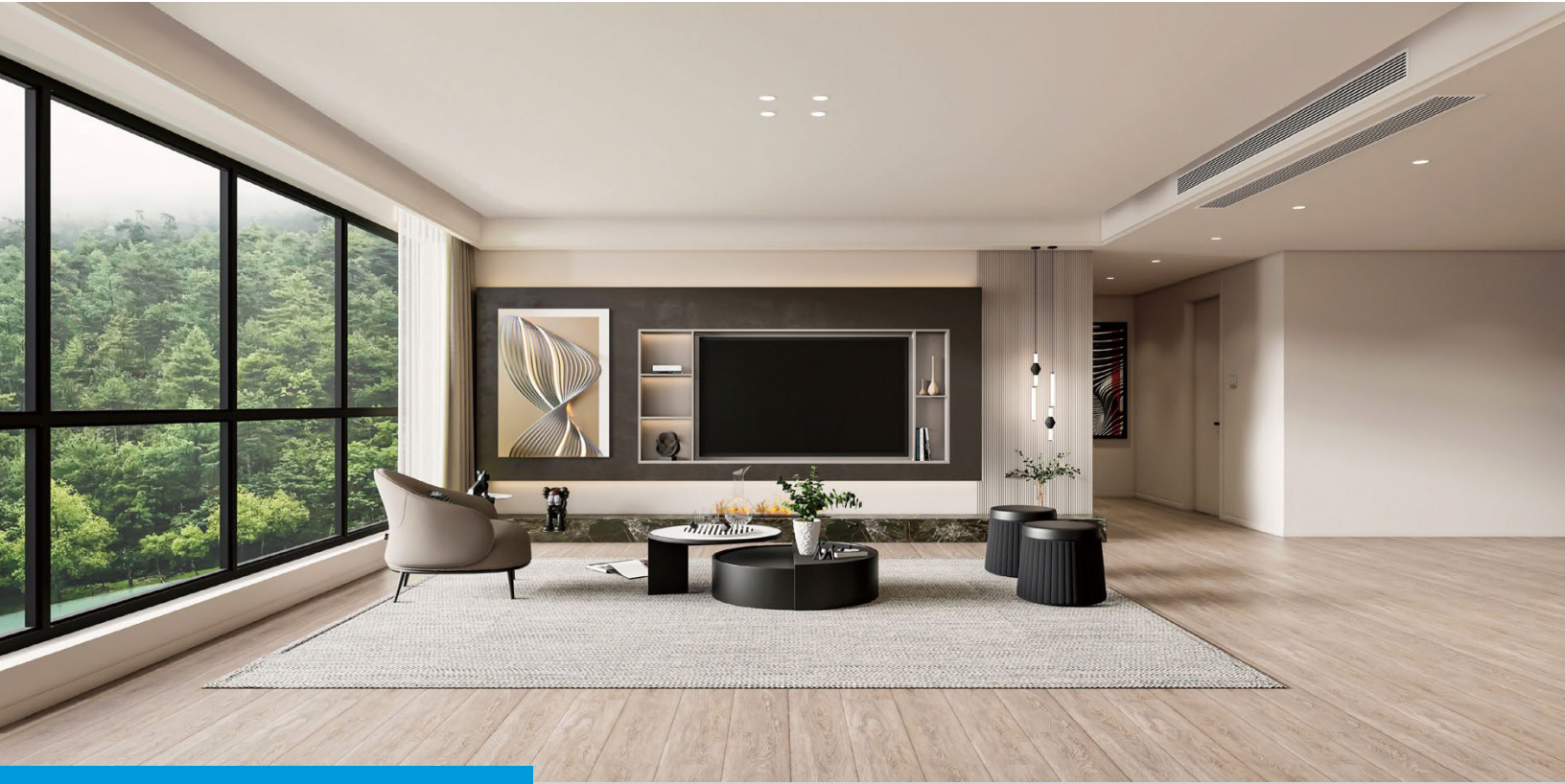


# High-Static Slim Duct

Invisible installation, powerful performance,  
the perfect choice for creating a comfortable space.



- Cooling Capacity:  
9,000/12,000/17,500/24,000/  
36,000/48,000/55,000
- Heating Capacity:  
9,900/12,000/19,500/26,000/  
42,000/52,000/60,000
- Efficiency Up To:
  - » 20.5 SEER2
  - » 14.0 EER2
  - » 13.8 HSPF2
- Cooling Range: -22 - 122°F
- Heating Range: -22 - 75°F
- Maximum Piping Line Length:  
246
- Ceiling or Floor Concealed
- Space Saving Design

## SLIMMER & LIGHTER

This series features an ultra-thin design, offering more installation possibilities and effortlessly adapting to diverse architectural structures and design requirements. It seamlessly integrates with interior decor, minimizing visual disruption, enhancing spatial aesthetics, and elevating overall style.



### Refrigerant Leak Detection System

The system will stop the compressor operation of the outdoor unit to prevent the refrigerant from flowing into the indoor space continuously.



### Built-In Drain Pump

From gravity drainage to the increase in head to 39-3/8 inches (1000 mm) after installing the water pump, the installation flexibility and speed have been improved.



### Constant Air Flow & Static Pressure Up To 0.8

With Auto Airflow Match, A7 Duct can automatically match the airflow volume to different ducting designs, resulting in installation convenience, a comfortable experience, and cost savings.



### Flexible Installation

Perfectly suited for various single and multi-family dwelling layouts, ensuring easy and convenient setup.

Model	Indoor Market Model		MDHHS-H36B-2A	MDHHS-H48B-2A	MDHHS-H60B-2A	MDHHS-H09B-2A	MDHHS-H12B-2A	MDHHS-H18B-2A	MDHHS-H24B-2A
	Outdoor Market Model		MO1HU-H36B-2A	MO1HU-H48B-2A	MO1HU-H60B-2A	MO1HS-H09B-2A	MO1HS-H12B-2A	MO1HS-H18B-2A	MO1HS-H24B-2A
Power supply	Voltage range	V-Hz-Ph	208/230V,60Hz,1Ph						
		V	187-253						
System Performance	Cooling Capacity	Btu/h	36,000	48,000	55,000	9,000	12,000	17,500	24,000
	SEER2	Btu/h/W	17.7	16.7	15.8	20.5	20	18.4	19
	EER2	Btu/h/W	12.0	10.4	10.2	14.0	12.0	12	12.0
	Cooling Capacity Range	Btu/h	9,800-37,000	11,000-56,500	14,200-60,000	3,000-13,100	3,000-13,300	4,000-20,600	5,000-28,000
	Heating Capacity	Btu/h	42,000	52,000	60,000	9,900	12,000	19,500	26,000
	HSPF2-4	Btu/h/W	11.1	10.8	10.4	13.8	10.6	11.1	11.7
	HSPF2-5	Btu/h/W	9.2	8.8	8.7	10.8	8.5	9.0	9.3
	COP	W/W	3.80	3.60	3.74	3.88	3.63	3.60	3.81
	Heating Capacity Range	Btu/h	11,000-45,500	11,200-60,000	11,200-66,000	3,900-16,500	3,900-16,500	5,400-23,000	7,300-31,400
	Moisture removal	kg/h	3.00	4.22	3.63	0.69	1.39	1.39	2.03
	Indoor Minimum Circuit Ampacity	A	4.0	5.0	5.0	3.0	3.0	3.0	3.0
	Outdoor Minimum Circuit Ampacity	A	38.0	44.0	44.0	15.0	15.0	19.0	24.9
	Connection wiring		AWG 14/3	AWG 14/3	AWG 14/3	AWG 14/4	AWG 14/4	AWG 14/4	AWG 14/4
	Indoor air flow (Turbo/Hi/Mi/Lo/Si)	CFM	1236 / 1060 / 942 / 765 / 765	1648 / 1472 / 1295 / 1060 / 1060	2001 / 1707 / 1413 / 1118 / 1118	344 / 288 / 231 / 201 / 122	419 / 350 / 256 / 216 / 135	706 / 618 / 530 / 441 / 441	854 / 706 / 618 / 500 / 500
	Indoor noise level (Turbo/Hi/Mi/Lo/Si)	dB(A)	45 / 45 / 40 / 34 / 31	51 / 51 / 46 / 42 / 40	52 / 52 / 48 / 42 / 41	30 / 30 / 29 / 28 / 26	33 / 33 / 31 / 29 / 26	36 / 36 / 34 / 32 / 28	40 / 40 / 37 / 35 / 30
	Indoor static pressure range	in.w.g.	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8	0-0.8
Outdoor Outdoor Air Flow(CFM)	CFM	3,002	4,238	4,238	1,472	1,472	1,766	2,237	
Outdoor noise level (Hi)	dB(A)	65	65	63	54	54	58	61	
Refrigerant & Piping	N.A. Design pressure	PSI	540 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340	550 / 340
	Outdoor Refrigerant type		R454B	R454B	R454B	R454B	R454B	R454B	R454B
	Outdoor Refrigerant charge	oz	127	127	152	35	35	55	63
	Outdoor Additional charge	oz/ft	0.32	0.32	0.32	0.16	0.16	0.16	0.32
	Liquid side	inch	3/8"	3/8"	3/8"	1/4"	1/4"	1/4"	3/8"
	Gas side	inch	3/4"	3/4"	3/4"	3/8"	3/8"	1/2"	5/8"
	Max. Piping Length	ft	246	246	246	82	82	98	164
	Max. Height Difference	ft	98	98	98	49	49	66	82
	Indoor Operating Temp. Range(Cooling)	°F	60-90						
	Outdoor Operating Temp. Range(Cooling)	°F	-22-122						
Indoor Operating Temp. Range(Heating)	°F	32-86							
Outdoor Operating Temp. Range(Heating)	°F	-22-75							
Size & Weight	Indoor Item Net/Gross weight	lb	106 / 120	111 / 125	161 / 178	64 / 74	64 / 74	80 / 91	80 / 92
	Indoor Unit Dimension WxDxH	inch	47-1/8 x 29-1/2 x 11-7/8	47-1/8 x 29-1/2 x 11-7/8	55-1/8 x 31-1/2 x 15	27-1/2 x 29-1/2 x 9-5/8	27-1/2 x 29-1/2 x 9-5/8	39-3/8 x 29-1/2 x 9-5/8	39-3/8 x 29-1/2 x 9-5/8
	Indoor Package Dimension WxDxH	inch	56-1/8 x 33-7/8 x 14-1/8	56-1/8 x 33-7/8 x 14-1/8	63 x 36 x 17-1/2	36-3/8 x 33-1/2 x 11-3/4	36-3/8 x 33-1/2 x 11-3/4	48-1/4 x 33-7/8 x 12	48-1/4 x 33-7/8 x 12
	Outdoor Item Net/Gross weight	lb	207 / 237	209 / 240	230 / 262	73/79	73/79	100/108	130/141
	Outdoor Unit Dimension WxDxH	inch	38-1/2 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	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	37-1/4 x 16-1/8 x 31-7/8
	Outdoor Package Dimension WxDxH	inch	45-1/8 x 19-5/8 x 42-1/2	43-1/8 x 19-1/2 x 57-1/2	43-1/8 x 19-1/2 x 57-1/2	36 x 14-5/8 x 24-1/2	36 x 14-5/8 x 24-1/2	39-1/8 x 15-5/8 x 29-1/8	42-7/8 x 19-5/8 x 34-7/8
Indoor Electrical Motor	Indoor Indoor Fan Motor Model		ZKFN-400-8-1	ZKFN-560-8-4	ZKFN-560-8-4	ZKFN-165-10-1L	ZKFN-165-10-1L	ZKFN-165-10-1L	ZKFN-165-10-1L
	Indoor Output	W	400	560	560	165	165	165	165
	Indoor Motor Speed(Hi/Mi/Lo)	r/min	790/730/670	1000/950/880	850/780/700	700/675/650	780/744/708	820/760/700	920/835/750
Outdoor Electrical Motor	Outdoor Outdoor Fan Motor Model		ZKFN-250-10-1	ZKFN-85-10-1L	ZKFN-85-8-22-5	ZKFN-34-10-1-3	ZKFN-34-10-1-3	ZKFN-80-8-3	ZKFN-120-8-2
	Outdoor Outdoor Fan Motor Output	W	250	85	85	34	34	80	120
	Outdoor Outdoor Fan Motor Speed(Hi/Mid/Lo)	r/min	750/650/550	850/750/650	850/750/650	850/680/450	780/680/580	780/700/550	950/800/500
Outdoor Electrical Motor 2	Outdoor Outdoor Fan Motor Model		N/A	ZKFN-85-10-1L	ZKFN-85-8-22-5	N/A	N/A	N/A	N/A
	Outdoor Outdoor Fan Motor Output power2	W	N/A	85	85	N/A	N/A	N/A	N/A
	Outdoor Outdoor Fan Motor Speed(Hi/Mid/Lo)2	r/min	N/A	850/750/650	850/750/650	N/A	N/A	N/A	N/A
Compressor	Outdoor Compressor Type		TWIN-ROTARY	TWIN-ROTARY	TWIN-ROTARY	ROTARY	ROTARY	ROTARY	ROTARY
	Outdoor Compressor Model		EKPQ420D1UMUA	EKPQ420D1UMUA	EKPQ440D1UMUB	KTN110D42UFZ	KTN110D42UFZ	KTM240D46UKT2	KTM240D46UKT2
	Outdoor Compressor Brand		GMCC	GMCC	GMCC	GMCC	GMCC	GMCC	GMCC
	Outdoor Compressor Capacity	W	12,000	12,000	12,540	3,465	3,465	7,600	7,600
	Outdoor Compressor Input Power	W	3,265	3,265	3,430	885	885	2,045	2,045
	Outdoor Compressor Rated current	A	6.6	6.6	7.3	6.0	6.0	9.3	9.3
	Outdoor Refrigerant oil		VG75	VG75	VG75	VG74	VG74	VG74	VG74
Outdoor Refrigerant oil charge	mL	1,460	1,460	1,300	350	350	620	620	