Technical Specifications

KOIT - KIDT

Comfort Pro SERIES

Klimaire System Model Number Indoor Unit Model Number Outdoor Unit Model Number			KOIT24H2-41G + KIDT24H2-41X KIDT24H2-41X KOIT24H2-41G	KOIT36H2-41G + KIDT36H2-41X KIDT36H2-41X KOIT36H2-41G	KOIT48H2-41G + KIDT48H2-41X KIDT48H2-41X KOIT48H2-41G	KOIT60H2-41G + KIDT60H2-41X KIDT60H2-41X KOIT60H2-41G
Power Supply	Voltage	V / ph / Hz	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60	208-230 / 1 / 60
	Voltage Range	V	187 - 253	187 - 253	187 - 253	187 - 253
Cooling	Capacity	Btu/h	24000	34000	53000	53000
	Range	Btu/h	7000~25000	8000~36000	9400~53000	9400~53000
	EER2	Btu/h.W	10	10	7.5	7.5
	SEER2	Btu/h.W	18	19	17	17
Heating	Capacity	Btu/h	24000	36000	53000	53000
	Rated heating (17° F / -8.3° C)	Btu/h	18500	25000	38000	38000
	Heating range	Btu/h	6000~25000	7000~38000	15000~56000	15000~56000
	HSPF2-4	Btu/h.W	9	9	8.2	8.2
	COP2 (47° F/8.3° C)	W/W	3.2	3.5	3.2	3.2
	Max. heating capacity (5 /-15)	W/W	18000	26000	35000	35000
	5° F Heating	%	75%	72%	66%	66%
	COP2 (5° F / -15° C)	W/W	1.75	1.9	1.9	1.9
	Max. heating capacity (-4° F/ -20° C)	Btu/h	10000	15000	21000	21000
Dehumidification		kg/h	2.5	3.8	6.1	6.1
		oz/min	1.47	2.23	3.58	3.58
Minimum Circuit Ampacity (indoor) - MCA		A	5	5	7	7
Maximum Over Current protection (indoor) - MOC		A	15	15	15	15
Indoor noise level		dB(A)	57	58	62	62
Indoor air flow (max)		m^3/h	1445	1955	2890	2890
		cfm	850	1150	1700	1700
External static pressure (max.)		Pa	0.8	0.8	0.8	0.8
		in.wc	200	200	200	200
Certifications	Energy Star		No	No	No	No
	Cold Climate		Yes	Yes	No	No
	NEEP		No	Yes	Yes	Yes
	NRCan		No	Yes	No	No
	Quebec		No	Yes	Yes	Yes
	Nova Scotia		No	Yes	Yes	Yes
Throttle type			TXV	TXV	TXV	TXV
Valve size	Liquid - Suction	in	3/8" - 3/4"	3/8" - 3/4"	3/8" - 3/4"	3/8" - 3/4"
Pipe size	Liquid - Gas	in	3/8" - 3/4"	3/8" - 3/4"	3/8" - 7/8"	3/8" - 7/8"
Lineset length	Min | Max	ft (m)	25 (7.6) | 100 (30)	25 (7.6) | 100 (30)	25 (7.6) | 100 (30)	25 (7.6) | 100 (30)
Max. pipe elevation		ft (m)	50 (15)	50 (15)	50 (15)	50 (15)
Indoor unit	Dimensions (W x H x D)	in	21" x 46"-1/2 x 21"	21" x 46"-1/2 x 21"	24"-1/2 x 56" x 21"	24"-1/2 x 56" x 21"
		mm	533 x 1180 x 533	533 x 1180 x 533	622 x 1422 x 533	622 x 1422 x 533
	Packing (W x H x D)	in	24-1/2" x 52 x 23"	24-1/2" x 52 x 23"	28" x 62" x 24-1/2"	28" x 62" x 24-1/2"
		mm	622 x 1320 x 584	622 x 1320 x 584	710 x 1570 x 584	710 x 1570 x 584
Weight	Net / Gross	lb	122 / 154	122 / 154	154 / 190	154 / 190
		kg	55.5 / 70	55.5 / 70	70 / 86	70 / 86
Condenser fan motor		A	1.1	1.1	1.1	1.1
		hp	1/4	1/4	1/4	1/4
Compressor	RLA	A	11.6	15..8	27	27
Minimum Circuit Ampacity (outdoor) - MCA		A	16	22	35	35
Maximum Over Current protection (outdoor) - MOC		A	25	35	60	60
Max allowed pressure		psi	624	624	624	624
		MPa	4.3	4.3	4.3	4.3
Outdoor noise level		dB(A)	67	68	70	70
Refrigerant R454B	Pre-charge	oz	75.84	100.53	141.09	141.09
		g	2150	2850	4000	4000
Throttle type		Type	EEV	EEV	EEV	EEV
Valve size	Liquid - Suction	in	3/8" - 3/4"	3/8" - 3/4"	3/8" - 3/4"	3/8" - 3/4"
Pipe size	Liquid - Gas	in	3/8" - 3/4"	3/8" - 3/4"	3/8" - 7/8"	3/8" - 7/8"
Pre-Charged Standard line length		m / ft	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25
Additional Charge		oz/ft	0.54	0.54	0.54	0.54
Lineset length	Min | Max	ft (m)	25 (7.5) | 100 (30)	25 (7.5) | 100 (30)	25 (7.5) | 100 (30)	25 (7.5) | 100 (30)
Max. pipe elevation		ft (m)	50（15）	50（15）	50（15）	50（15）
Ambient temperature	Cooling	°F	5 - 125	5 - 125	5 - 125	5 - 125
		°C	-15 – 52	-15 – 52	-15 – 52	-15 – 52
	Heating	°F	-5 – 80	-5 – 80	-5 – 80	-5 – 80
		°C	-20 – 27	-20 – 27	-20 – 27	-20 – 27
Outdoor unit	Dimensions (W x H x D)	in	29"-1/8 × 24"-15/16 × 29"-1/8	29"-1/8 × 24"-15/16 × 29"-1/8	29"-1/8 x 33"-3/16 x 29"-1/8	29"-1/8 x 33"-3/16 x 29"-1/8
		mm	767 x 794 x 767	767 x 794 x 767	767 x 1003 x 767	767 x 1003 x 767
	Packing (W x H x D)	in	30"-1/4 x 31"-1/4 x 30"-1/4	30"-1/4 x 31"-1/4 x 30"-1/4	30"-1/4 x 39"-1/2 x 30"-1/4	30"-1/4 x 39"-1/2 x 30"-1/4
		mm	767 x 794 x 767	767 x 794 x 767	767 x 1003 x 767	767 x 1003 x 767