

Series			Hyper heat E*Star	Hyper heat E*Star	Hyper heat E*Star	Hyper heat E*Star
Capacity			9K	12K	18K	24K
Indoor unit model			CHF09CD(I)	CHF12CD(I)	CHF18CD(I)	CHF24CD(I)
Outdoor unit model			CHF09CD(O)	CHF12CD(O)	CHF18CD(O)	CHF24CD(O)
Power supply	Rated	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	Rated Capacity (range)	Btu/h	9000(3300-14300)	12000(3300-14300)	18000(8870-19400)	24000(6850-27000)
	Input power	W	556	857	1440	1845
	Rated current	A	2.5	3.72	6.3	8.1
	EER	Btu/w	16.2	14	12.5	13
	SEER	Btu/w	28.1	25.5	21.5	21.5
Heating at 47°F	Rated Capacity (range)	Btu/h	11800(5000-15200)	12000(5000-15300)	18000(15100-19500)	29000(11900-31000)
	Input power	W	907	907	1700	2500
	Rated current	A	4.1	4.1	7.3	10.9
	COP	W/W	3.81	3.88	3.10	3.40
	HSPF4	Btu/w	13.0	13	13	12
	HSPF5	Btu/w	11.0	10.5	11	10
Heating at 17°F (AHR)	Rated capacity	Btu/h	12000	12000	20270	19800
Heating at 5°F (-15°C)	Rated capacity	Btu/h	10500	12000	18000	25400
	COP	W/W	1.8	1.75	1.78	1.75
MINIMUM CIRCUIT AMPACITY (Outdoor unit)	A		15.0	15.0	16.0	25.0
MAX.FUSE (Outdoor unit)	A		15.0	15.0	25.0	35.0
Indoor air flow (Hi/Mi/Lo)		m3/h	570/390/300	570/390/300	890/640/520	1039/704/542
Indoor air flow (Hi/Mi/Lo)		CFM	335.29/229.41/176.47	335.29/229.41/176.47	523.53/376.47/305.88	611.18/414.12/318.82
Indoor noise level (Hi/Mi/Lo)		dB(A)	38/33.5/23.5	38/33.5/23.5	46/42/24	46/39/34
Indoor unit	Dimension(W*D*H)	mm	795x225x295	795x225x295	965x239x319	1140x275x370
		inch	31.30x8.86x11.61	31.30x8.86x11.61	37.99x9.41x12.56	44.88x10.83x14.57
	Packing (W*D*H)	mm	870x370x305	870x370x305	1045x400x325	1230x455x355
		inch	34.25x14.57x12.01	34.25x14.57x12.01	41.14x15.75x12.80	48.43x17.91x13.98
	Net/Gross weight	Kg	10.3/13.1	10.4/13.1	12.3/16.2	19.8/24.9
Refrigerant piping	Liquid side/Gas side	mm	6.35 / 9.52	6.35/12.7	6.35/12.7	9.52/15.9
		inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
Outdoor air flow (Max.)		m3/h	2250	2250	3000	3800
Outdoor air flow (Max.)		CFM	1324	1324	1765	2235
Outdoor noise level (Sound pressure)		dB(A)	54.5	56	59	62
Throttle type			Capillary +EXV	Capillary +EXV	Capillary +EXV	Capillary +EXV
Outdoor unit	Dimension (WxDxH)	mm	805x330x554	805x330x554	890x342x673	946x410x810
		inch	31.69x12.99x21.81	31.69x12.99x21.81	35.04x13.46x26.50	37.24x16.14x31.89
	Packing (WxDxH)	mm	915x370x615	915x370x615	995x398x740	1090x500x885
		inch	36.02x14.57x24.21	36.02x14.57x24.21	39.17x15.67x29.13	42.91x19.69x34.84
Net/Gross weight	kg		33.6/36.4	33.4/36	45.8/49	61/65.5
	lbs.		74.07/80.25	73.63/79.37	100.97/108.03	134.48/144.40
Refrigerant	Type/Charged	g	R410A/1180	R410A/1180	R410A/1850	R410A/2600
Refrigerant precharge		oz	R410A/41.62	R410A/41.62	R410A/65.2	R410A/91.7
Additional charge for each ft		ft	25	25	25	25
		g/m	15	15	15	30
Design pressure		oz/ft	0.16	0.16	0.16	0.32
		PSIG	550/340	550/340	550/340	550/340
Refrigerant piping	Liquid side/Gas side	mm	6.35/9.52	6.35/12.7	6.35/12.7	9.52/15.9
		inch	1/4" / 3/8"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"
	Max. pipe length	m	25.0	25.0	30.0	50.0
		ft	82.0	82.0	98.0	164.0
		m	10.0	10.0	20.0	25.0
Max. difference in level	ft	32.8	32.8	66.0	82.0	
Connection wiring			16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded	16AWG*4 Stranded, unshielded
Ambient temperature	Cooling	°C	16~32	16~32	17~32	17~32
		°F	60~90	60~90	63~90	63~90
	Heating	°C	0~27	0~27	0~30	0~30
		°F	32~81	32~81	32~86	32~86
Ambient temperature	Cooling	°C	-30~50	-30~50	-30~50	-30~50
		°F	-22~122	-22~122	-22~122	-22~122
	Heating	°C	-30~30	-30~30	-30~30	-30~30
		°F	-22~86	-22~86	-22~86	-22~86