

Indoor Units

Fan Coil High Static Pressure

220-240/1/50-60 DC



		CTVS-IHD-X-024-A-CE-DC-1	CTVS-IHD-X-027-A-CE-DC-1	CTVS-IHD-X-031-A-CE-DC-1	CTVS-IHD-X-038-A-CE-DC-1
PERFORMANCE					
Nominal Cooling Capacity	Btu/h	24,200	27,300	30,700	38,200
	Kw	7.1	8	9	11.2
Nominal Heating Capacity	Btu/h	27,300	30,700	34,100	42,700
	Kw	8	9	10	12.5
ELECTRICAL DATA					
Power Supply	V/Ph/Hz	220-240/1/50-60	220-240/1/50-60	220-240/1/50-60	220-240/1/50-60
Power Input (10 Pa) Cooling	Kw	180	180	220	380
Power Input (10 Pa) Heating	Kw	180	180	220	380
Min. Voltage	Volts	198	198	198	198
Max. Voltage	Volts	264	264	264	264
MCA	Amp	2.10	2.10	2.10	2.20
MFA	Amp	15	15	15	15
Rated Motor Output	Kw	0.15	0.15	0.18	0.31
FLA	Amp	1.70	1.70	1.70	2.30
GENERAL DATA					
Speed (H/M/L)	RPM	1199 / 1170 / 1132 / 1116 / 1078 / 1049 / 1028	1199 / 1170 / 1132 / 1116 / 1078 / 1049 / 1028	983 / 956 / 925 / 895 / 868 / 837 / 810	1113 / 1066 / 1012 / 971 / 925 / 876 / 840
Airflow rate 3	m3/h (CFM)	1360 (800)	1360 (800)	1420 (836)	1870 (1100)
	m3/h (CFM)	1327 (781)	1327 (781)	1373 (808)	1783 (1049)
	m3/h (CFM)	1293 (761)	1293 (761)	1327 (781)	1697 (999)
	m3/h (CFM)	1260 (742)	1260 (742)	1280 (753)	1610 (947)
	m3/h (CFM)	1227 (722)	1227 (722)	1233 (726)	1523 (896)
	m3/h (CFM)	1193 (702)	1193 (702)	1187 (699)	1437 (846)
	m3/h (CFM)	1160 (683)	1160 (683)	1140 (671)	1350 (794)
External static pressure 4	Pa	100 (30~ 200)	100 (30~ 200)	100 (30~ 200)	100 (30~ 200)
Sound pressure level 5	dB(A)	42	42	45	48
	dB(A)	41	41	44	47
	dB(A)	40	40	43	46
	dB(A)	40	40	42	45
	dB(A)	39	39	41	43
	dB(A)	39	39	40	42
	dB(A)	38	38	39	41
Dimension (Body)	Net (mm)	965×423×690	965×423×690	965×423×690	965×423×690
	Packed (mm)	1090×440×768	1090×440×768	1090×440×768	1090×440×768
Body Net/Gross weight	KG (Lbs)	41/47 (90.4/103.6)	41/47 (90.4/103.6)	48/55 (105.8/121.3)	48/55 (105.8/121.3)
Refrigerant type		R410A	R410A	R410A	R410A
Design pressure (H/L)	Mpa	4.4 / 2.6	4.4 / 2.6	4.4 / 2.6	4.4 / 2.6
Refrigerant Pipe Connections (inch)	Gas	3/8"	3/8"	3/8"	3/8"
	Liquid	5/8"	5/8"	5/8"	5/8"
Drain Pipe (OD)	mm	1"	1"	1"	1"

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		CTVS-IHD-X-048-A-CE-DC-1	CTVS-IHD-X-055-A-CE-DC-1	CTVS-IHD-X-068-A-CE-DC-1	CTVS-IHD-X-086-A-CE-DC-1
PERFORMANCE					
Nominal Cooling Capacity	Btu/h	47,800	54,600	68,200	85,300
	Kw	14	16	20	25
Nominal Heating Capacity	Btu/h	54,600	58,000	76,800	88,700
	Kw	16	17	22.5	26
ELECTRICAL DATA					
Power Supply	V/Ph/Hz	220-240/1/50-60	220-240/1/50-60	220-240/1/50-60	220-240/1/50-60
Power Input (10 Pa) Cooling	Kw	420	700	990	1200
Power Input (10 Pa) Heating	Kw	420	700	990	1200
Min. Voltage	Volts	198	198	198	198
Max. Voltage	Volts	264	264	264	264
MCA	Amp	2.90	4.50	4.70	6.70
MFA	Amp	15	15	15	15
Rated Motor Output	Kw	0.34	0.56	0.86	0.96
FLA	Amp	3.60	3.80	5.40	5.40
GENERAL DATA					
Speed (H/M/L)	RPM	1019 / 981 / 941 / 902 / 855 / 808 / 765	1080 / 1046 / 996 / 954 / 910 / 869 / 825	1208 / 1179 / 1149 / 1127 / 1101 / 1075 / 1053	1208 / 1179 / 1149 / 1127 / 1101 / 1075 / 1053
Airflow rate 3	m3/h (CFM)	2240 (1318)	2660 (1565)	4330 (2548)	4330 (2548)
	m3/h (CFM)	2133 (1255)	2530 (1489)	4230 (2489)	4230 (2489)
	m3/h (CFM)	2027 (1193)	2400 (1412)	4130 (2431)	4130 (2431)
	m3/h (CFM)	1920 (1130)	2270 (1336)	4030 (2372)	4030 (2372)
	m3/h (CFM)	1813 (1067)	2140 (1259)	3930 (2313)	3930 (2313)
	m3/h (CFM)	1707 (1005)	2010 (1183)	3830 (2254)	3830 (2254)
	m3/h (CFM)	1600 (942)	1880 (1106)	3730 (2195)	3730 (2195)
External static pressure 4	Pa	100 (30~200)	100 (30~200)	170 (30~250)	170 (30~250)
Sound pressure level 5	dB(A)	45	46	51	51
	dB(A)	44	45	50	50
	dB(A)	43	44	50	50
	dB(A)	42	43	49	49
	dB(A)	41	42	49	49
	dB(A)	40	41	48	48
	dB(A)	40	40	47	47
Dimension (Body)	Net (mm)	1322×423×691	1322×423×691	1454×515×931	1454×515×931
	Packed (mm)	1436×450×768	1436×450×768	1509×550×990	1509×550×990
Body Net/Gross weight	KG (Lbs)	68/76 (149.9/167.5)	68/76 (149.9/167.5)	130/142 (286.6/313.1)	130/142 (286.6/313.1)
Refrigerant type		R410A	R410A	R410A	R410A
Design pressure (H/L)	Mpa	4.4 / 2.6	4.4 / 2.6	4.4 / 2.6	4.4 / 2.6
Refrigerant Pipe Connections (inch)	Gas	3/8"	3/8"	1/2"	1/2"
	Liquid	5/8"	5/8"	7/8"	7/8"
Drain Pipe (OD)	mm	1"	1"	1-17/64"	1-17/64"

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		CTVS-IHD-X-096-A-CE-DC-1	CTVS-IHD-X-137-A-CE-DC-1	CTVS-IHD-X-154-A-CE-DC-1
PERFORMANCE				
Nominal Cooling Capacity	Btu/h	95,500	136,500	153,600
	Kw	28	40	45
Nominal Heating Capacity	Btu/h	107,500	153,600	191,100
	Kw	31.5	45	56
ELECTRICAL DATA				
Power Supply	V/Ph/Hz	220-240/1/50-60	220-240/1/50-60	220-240/1/50-60
Power Input (10 Pa) Cooling	Kw	1200	1800	1800
Power Input (10 Pa) Heating	Kw	1200	1800	1800
Min. Voltage	Volts	198	198	198
Max. Voltage	Volts	264	264	264
MCA	Amp	6.70	6.70	12.50
MFA	Amp	15	30	30
Rated Motor Output	Kw	0.96	1.84	1.84
FLA	Amp	5.40	12.40	12.40
GENERAL DATA				
Speed (H/M/L)	RPM	1208 / 1179 / 1149 / 1127 / 1101 / 1075 / 1053	1060 / 1015 / 960 / 900 / 840 / 785 / 735	1060 / 1015 / 960 / 900 / 840 / 785 / 735
Airflow rate 3	m3/h (CFM)	4330 (2548)	6500 (3825)	6500 (3825)
	m3/h (CFM)	4230 (2489)	6150 (3619)	6150 (3619)
	m3/h (CFM)	4130 (2431)	5800 (3413)	5800 (3413)
	m3/h (CFM)	4030 (2372)	5450 (3207)	5450 (3207)
	m3/h (CFM)	3930 (2313)	5100 (3001)	5100 (3001)
	m3/h (CFM)	3830 (2254)	4750 (2795)	4750 (2795)
	m3/h (CFM)	3730 (2195)	4400 (2589)	4400 (2589)
External static pressure 4	Pa	170 (30~250)	300 (100~400)	300 (100~400)
Sound pressure level 5	dB(A)	51	60	60
	dB(A)	50	59	59
	dB(A)	50	58	58
	dB(A)	49	57	57
	dB(A)	49	55	55
	dB(A)	48	54	54
	dB(A)	47	52	52
Dimmension (Body)	Net (mm)	1454×515×931	2010×680×905	2010×680×905
	Packed (mm)	1509×550×990	2095×800×964	2095×800×964
Body Net/Gross weight	KG (Lbs)	130/142 (286.6/313.1)	220/245 (485.0/540.1)	220/245 (485.0/540.1)
Refrigerant type		R410A	R410A	R410A
Design pressure (H/L)	Mpa	4.4 / 2.6	4.4 / 2.6	4.4 / 2.6
Refrigerant Pipe Connections (inch)	Gas	1/2"	5/8"	5/8"
	Liquid	7/8"	1-1/8"	1-1/8"
Drain Pipe (OD)	mm	1-17/64"	1-17/64"	1-17/64"

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		CTVS-IHD-X-191-A-CE-DC-1
PERFORMANCE		
Nominal Cooling Capacity	Btu/h	191,100
	Kw	56
Nominal Heating Capacity	Btu/h	215,000
	Kw	63
ELECTRICAL DATA		
Power Supply	V/Ph/Hz	220-240/1/50-60
Power Input (10 Pa) Cooling	Kw	2272
Power Input (10 Pa) Heating	Kw	2272
Min. Voltage	Volts	198
Max. Voltage	Volts	264
MCA	Amp	12.50
MFA	Amp	30
Rated Motor Output	Kw	1.84
FLA	Amp	12.40
GENERAL DATA		
Speed (H/M/L)	RPM	1103 / 1043 / 978 / 927 / 869 / 820 / 755
Airflow rate 3	m3/h (CFM)	7400 (4355)
	m3/h (CFM)	7000 (4120)
	m3/h (CFM)	6600 (3884)
	m3/h (CFM)	6200 (3649)
	m3/h (CFM)	5800 (3413)
	m3/h (CFM)	5400 (3178)
	m3/h (CFM)	5000 (2943)
External static pressure 4	Pa	300 (100~400)
Sound pressure level 5	dB(A)	59
	dB(A)	58
	dB(A)	57
	dB(A)	56
	dB(A)	55
	dB(A)	53
	dB(A)	51
Dimmension (Body)	Net (mm)	2010×680×905
	Packed (mm)	2095×800×964
Body Net/Gross weight	KG (Lbs)	218/248 (480.6/546.7)
Refrigerant type		R410A
Design pressure (H/L)	Mpa	4.4 / 2.6
Refrigerant Pipe Connections (inch)	Gas	5/8"
	Liquid	1-1/8"
Drain Pipe (OD)	mm	1-17/64"