

Indoor Units

Fan Coil Medium Static Pressure

220-240/1/50-60 DC



		CTVS-IFM-X-008-A-CE-DC-1	CTVS-IFM-X-010-A-CE-DC-1	CTVS-IFM-X-012-A-CE-DC-1	CTVS-IFM-X-015-A-CE-DC-1
PERFORMANCE					
Nominal Cooling Capacity	Btu/h	7,500	9,600	12,300	15,400
	Kw	2.2	2.8	3.6	4.5
Nominal Heating Capacity	Btu/h	8,200	10,900	13,600	17,100
	Kw	2.6	3.2	4	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	45	45	45	97
Power Input (10 Pa) Heating	Kw	45	45	45	97
Min. Voltage	Volts	198	198	198	198
Max. Voltage	Volts	264	264	264	264
MCA	Amp	0.74	0.74	0.77	1.00
MFA	Amp	15	15	15	15
Rated Motor Output	Kw	0.03	0.03	0.03	0.03
FLA	Amp	0.59	0.59	0.62	0.80
GENERAL DATA					
Speed (H/M/L)	RPM	1034 / 972 / 908 / 852 / 802 / 753 / 708	1034 / 972 / 908 / 852 / 802 / 753 / 708	1034 / 972 / 908 / 852 / 802 / 753 / 708	963 / 912 / 856 / 801 / 747 / 696 / 644
Airflow rate 3	m3/h (CFM)	580 (341)	580 (341)	580 (341)	910 (536)
	m3/h (CFM)	540 (318)	540 (318)	540 (318)	850 (500)
	m3/h (CFM)	500 (294)	500 (294)	500 (294)	790 (465)
	m3/h (CFM)	460 (271)	460 (271)	460 (271)	730 (430)
	m3/h (CFM)	430 (253)	430 (253)	430 (253)	670 (394)
	m3/h (CFM)	400 (235)	400 (235)	400 (235)	610 (359)
	m3/h (CFM)	370 (218)	370 (218)	370 (218)	550 (324)
External static pressure 4	Pa	10 (10~80)	10 (10~80)	10 (10~80)	10 (10~80)
Sound pressure level 5	dB(A)	33	33	33	38
	dB(A)	32	32	32	36
	dB(A)	31	31	31	35
	dB(A)	30	30	30	34
	dB(A)	28	28	28	32
	dB(A)	27	27	27	30
	dB(A)	25	25	25	28
Dimmension (Body)	Net (mm)	780x210x500	780x210x500	780x210x500	1000x210x500
	Packed (mm)	870x285x525	870x285x525	870x285x525	1115x285x525
Body Net/Gross weight	KG (Lbs)	18 (39.7)/21 (46.3)	18 (39.7)/21 (46.3)	18 (39.7)/21 (46.3)	29 (63.9)/34 (75)
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	1/4"	1/4"	1/4"	1/4"
	Liquid	1/2"	1/2"	1/2"	1/2"
Drain Pipe (OD)	mm	1"	1"	1"	1"

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		CTVS-IFM-X-019-A-CE-DC-1	CTVS-IFM-X-024-A-CE-DC-1	CTVS-IFM-X-027-A-CE-DC-1	CTVS-IFM-X-031-A-CE-DC-1
PERFORMANCE					
Nominal Cooling Capacity	Btu/h	19,100	24,200	27,300	30,700
	Kw	5.6	7.1	8	9
Nominal Heating Capacity	Btu/h	21,500	27,300	30,709	34,100
	Kw	6.3	8	9	10
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	97	103	110	150
Power Input (10 Pa) Heating	Kw	97	103	110	150
Min. Voltage	Volts	198	198	198	198
Max. Voltage	Volts	264	264	264	264
MCA	Amp	1.00	1.10	1.30	1.30
MFA	Amp	15	15	15	15
Rated Motor Output	Kw	0.03	0.06	0.15	0.15
FLA	Amp	0.80	0.88	1.04	1.04
GENERAL DATA					
Speed (H/M/L)	RPM	1008 / 955 / 905 / 849 / 800 / 743 / 690	909 / 869 / 826 / 780 / 730 / 689 / 646	1260 / 1180 / 1100 / 1020 / 940 / 860 / 780	1034 / 972 / 915 / 853 / 795 / 732 / 684
Airflow rate 3	m3/h (CFM)	1000 (589)	1270 (747)	1260 (742)	1710 (1006)
	m3/h (CFM)	945 (556)	1200 (706)	1180 (694)	1600 (942)
	m3/h (CFM)	885 (521)	1130 (665)	1100 (647)	1490 (877)
	m3/h (CFM)	825 (486)	1060 (624)	1020 (600)	1380 (812)
	m3/h (CFM)	765 (450)	990 (583)	940 (553)	1270 (747)
	m3/h (CFM)	705 (415)	920 (541)	860 (506)	1160 (683)
	m3/h (CFM)	635 (374)	850 (500)	780 (459)	1060 (624)
External static pressure 4	Pa	10 (10~80)	40 (30~150)	40 (30~150)	40 (30~150)
Sound pressure level 5	dB(A)	39	38	37	41
	dB(A)	38	36	35	40
	dB(A)	37	34	33	38
	dB(A)	35	32	32	37
	dB(A)	33	31	30	35
	dB(A)	31	29	29	33
	dB(A)	29	28	28	32
Dimmension (Body)	Net (mm)	1000x210x500	1220x210x500	1230x270x775	1230x270x775
	Packed (mm)	1115x285x525	1335x285x525	1355x350x795	1355x350x795
Body Net/Gross weight	KG (Lbs)	29 (63.9)/34 (75)	36.5 (80.5)/44.5 (98.1)	36.5 (80.5)/44.5 (98.1)	37(81.6)/45 (99.2)
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	3/4"	3/4"	3/4"	3/4"
Drain Pipe (OD)	mm	1"	1"	1"	1"

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		CTVS-IFM-X-038-A-CE-DC-1	CTVS-IFM-X-048-A-CE-DC-1	CTVS-IFM-X-055-A-CE-DC-1
PERFORMANCE				
Nominal Cooling Capacity	Btu/h	38,200	47,800	54,600
	Kw	11.2	14	16
Nominal Heating Capacity	Btu/h	42,700	52,900	61,400
	Kw	12.5	15.5	18
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	205	260	250
Power Input (10 Pa) Heating	Kw	205	260	250
Min. Voltage	Volts	198	198	198
Max. Voltage	Volts	264	264	264
MCA	Amp	1.50	2.60	2.60
MFA	Amp	15	15	15
Rated Motor Output	Kw	0.15	0.24	0.24
FLA	Amp	1.20	2.08	1.92
GENERAL DATA				
Speed (H/M/L)	RPM	1001 / 961 / 916 / 867 / 813 / 765 / 722	1120 / 1081 / 1041 / 998 / 956 / 910 / 860	1020 / 950 / 900 / 860 / 810 / 750 / 690
Airflow rate 3	m3/h (CFM)	1870 (1100)	2320 (1365)	2300 (1354)
	m3/h (CFM)	1760 (1036)	2210 (1301)	2100 (1236)
	m3/h (CFM)	1660 (977)	2110 (1242)	2000 (1177)
	m3/h (CFM)	1560 (918)	2010 (1183)	1900 (1118)
	m3/h (CFM)	1460 (859)	1900 (1118)	1750 (1030)
	m3/h (CFM)	1365 (803)	1800 (1059)	1600 (942)
	m3/h (CFM)	1275 (750)	1700 (1000)	1450 (853)
External static pressure 4	Pa	40 (30~150)	40 (30~150)	40 (30~150)
Sound pressure level 5	dB(A)	40	43	42
	dB(A)	38	42	41
	dB(A)	37	41	39
	dB(A)	36	40	38
	dB(A)	35	39	37
	dB(A)	34	38	35
	dB(A)	33	37	34
Dimmension (Body)	Net (mm)	1230×270×775	1290×300×865	1490×300×865
	Packed (mm)	1355×350×795	1400×375×925	1605×345×955
Body Net/Gross weight	KG (Lbs)	6.5 (102.5)/55.5 (122.4)	6.5 (102.5)/55.5 (122.4)	54 (119)/ 63 (138.9)
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	3/8"	3/8"	3/8"
	Liquid	3/4"	3/4"	3/4"
Drain Pipe (OD)	mm	1"	1"	1"

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		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
Dimmension (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"