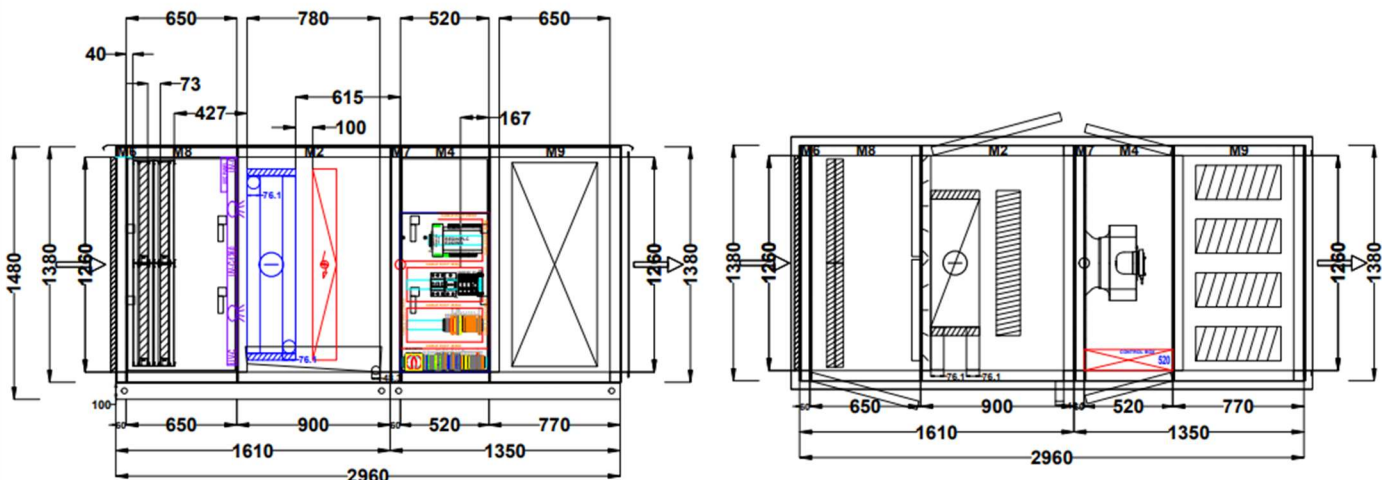


TECHNICAL DATA			
Date	13.02.2024	Rev. Date	21.03.2024
Project ID	8438	Tracking Number	2F+UVC+CC
Project Name	יטא לדוגמא עם משתיק קול באספקה		
AHU Name	AHU 1 - (1 QTY)		
AHU Model	AVIT-2020 [646 CWC EH SL]		

RIGHT VIEW



TOP VIEW

GENERAL SPECIFICATIONS

Air Flow 3.800 ft³/min			Frame TTC2 50		Dimensions (mm)(Size+Pedestal+Dampers+Pipes) W 1.530xH 1.480xL 3.040	
Air Velocity 222,4 ft/min			Insulation Material 50 mm Mineralwool 40 kg/m³		Total Weight 951 kg	Altitude 9 m
Coil Air Velocity 453 ft/min	Air Density 1,2501 kg/m³		Outside Sheet Material 1,2 mm Painted Galvanized (E)		Base Height 100 mm	Roof (Outside) Sheet
Design Outdoor Temp.(W-S) (46,04°F/99%) - (95°F/53%/WB:80,16°F%/DP:75,19°F)(TEL			Inside Sheet Material 0,8 mm Painted Galvanized (E)		Motor Power 2,4 kW	
Total Heating Capacity 20 kW	Total Cooling Capacity 267.380 Btu/h		Total Sensible Capacity 133.377 Btu/h		Total Absorbed Power 22,2 kW	
Specific Fan Power(SFP Total) 0,0426 W/(l/s)	ErP Compliance 2018	ErP Code NRVU - UVU	fs-Pref 0,71	External Static Pressure 1 inAq	Return External Static Pressure	

SOUND POWER LEVEL (dB)

Frequency Hz		125	250	500	1000	2000	4000	8000	LwA-tot	
Airborne Sound Power Level		35,8	48,1	50,8	51,7	45,3	30,6	18,0	54,7	dBA
Air Outlet Induct Sound Power Level		50,5	65,0	72,5	72,3	70,3	63,6	64,8	76,8	dBA
Air Inlet Induct Sound Power Level		37,6	54,4	59,0	48,6	45,0	36,6	31,7	57,0	dBA

MB MECHANICAL PROPERTY CLASSIFICATIONS

Model	CS Class	CAL Class -400 Pa (M) -400 Pa (R)	CAL Class +700 Pa (M) +400 Pa (R)	FBL Class	TT Class	TBF Class	CASING ACOUSTICAL INSULATION [dB]						
							125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
EVO-avit	D1	L1/L2	L1/L1	F9	T2	TB1	17	20	25	24	28	35	48

ACCESSORIES

Ball Siphon,IP67 BOX,Module Lamp,Sight Glass,Filter Pressure Measurement Probes,DTV500 Differential Pressure Switch (x3),70C Automatic Reset, 90C Manual Reset Safety Thermostat,SSR Relay 70 Amp,Control BOARD, Microswitches for UVC door

www.avivit-hapach.co.il	Office Tel:	+972-8-8645556
avivithapach@avivit-hapach.co.il	Office Fax:	+972-8-8645559



TECHNICAL DATA			
Date	13.02.2024	Rev. Date	21.03.2024
Project ID	8438	Tracking Number	2F+UVC+CC
Project Name	יטא לדוגמא עם חשתיק קול באספקה		
AHU Name	AHU 1 - (1 QTY)		
AHU Model	AVIT-2020 [646 CWC EH SL]		
			AVIVIT HAPACH Manufacture and Installation of Air Conditioning Units תכנון, ייצור, התקנה ופיקוח של יחידות קלימטיזציה אביבית חפאך www.avivit-hapach.co.il 072-8645556 072-8645557 072-8645558 072-8645559 072-8645560
			HVACCALC V. 2.2.4.61 18.03.2024 AVIVIT 2/7



FRESH AIR CONNECTION

Connection Type	Control Type	Pressure Drop
Flange + Louver		0,04 inAq
Air Flow	Dimensions	Air Velocity
3.800 ft³/min	W 1.260 mm x H 1.260 mm	222,4 ft/min

SUPPLY CONNECTION

Connection Type	Control Type	Pressure Drop
Flange		0,04 inAq
Air Flow	Dimensions	Air Velocity
3.800 ft³/min	W 1.260 mm x H 1.260 mm	222,4 ft/min

FILTER (M6)

Air Flow	Condensation Pan	Slide Type	Hygienic	Spare Filter	Section Weight
3.800 ft³/min		Left Aligned	☐	☐	113,4 kg
Filter Type Amerglass Filter G2 12% Panel					
Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
0,06 inAq / 0,18 inAq / 0,12 inAq	251,8 ft/min	592x592x48/4/NA			
Filter Type FARR Filter M6 65% Panel					
Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
0,12 inAq / 0,35 inAq / 0,23 inAq	251,8 ft/min	592x592x48/4/A+			

* Filter Energy Performance; preferably energy classification

* Frame sealing applied.

ACCESSORIES (M6)

Filter Pressure Measurement Probes, DTV500 Differential Pressure Switch (x2)



FILTER (M8)

Air Flow	Condensation Pan	Slide Type	Hygienic	Spare Filter	Section Weight
3.800 ft³/min		Right Aligned	☐	☐	141,9 kg
Filter Type Philips UVC Lamp UV with reflector			Electrical Connection	Electrical Current	
			1P/230V/50V-Hz	0,96 A	
Initial / Final / Design P.Drop	Air Velocity	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*	Size/Quantity/EC*
0,02 inAq / 0,02 inAq / 0,02 inAq	237,2 ft/min	592x96x96/4/NA			

* Filter Energy Performance; preferably energy classification

* Frame sealing applied.

www.avivit-hapach.co.il	Office Tel:	+972-8-8645556
avivithapach@avivit-hapach.co.il	Office Fax:	+972-8-8645559

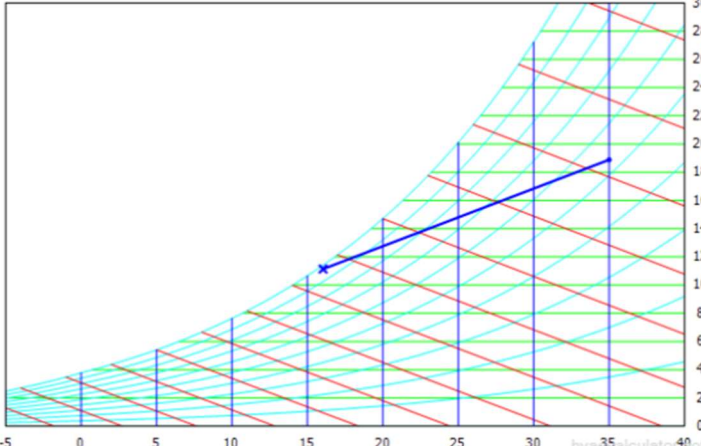


TECHNICAL DATA			
Date	13.02.2024	Rev. Date	21.03.2024
Project ID	8438	Tracking Number	2F+UVC+CC
Project Name	יטא לדוגמא עם משתיק קול באספקה		
AHU Name	AHU 1 - (1 QTY)		
AHU Model	AVIT-2020 [646 CWC EH SL]		

ACCESSORIES (M8)

DTV500 Differential Pressure Switch

**COIL (Cooling) (Wet Surface) (M2)**

Air Flow 3.800 ft³/min	Capacity / Sensible 267.380/133.377 Btu/h	Required Capacity	Face Velocity 453 ft/min	Pitch 2,5	Quantity 1	Section Weight 292,4 kg
Coil Code Friterm-40 x 35 5/8 26T 6R 750A 10FPI 26NC			Tube Material Copper	Fin Material Aluminium		Function Cooling
Droplet Elimin. / Press. Drop Polypropylene / 0,12 inAq / 23,23 kg / QTY:1		Condensation Pan / Hmin U-Trap Stainless Steel DN40 (1-1/2) (48,3 mm (ød)) (Connection:Right) (Pressure:Negative) / 67,76 mm	Tube Thickness 0,4 mm	Fin Thickness 0,12 mm		Mixing Ratio 0 %
			Size (W x H x L) mm 750 x 1.040 x 207,8	Conn. Material Steel		Frame Material Galvanized Steel
Fluid Kind WATER		Fluid In / Out 45/54,99 °F				
Air Inlet Drybulb Temperature 95 °F	Air Outlet Drybulb Temperature 60,86 °F					
Air Inlet Wetbulb Temperature 80,16 °F	Air Outlet Wetbulb Temperature 60,45 °F					
Air Inlet Relative Humidity 53 %	Air Outlet Relative Humidity 97,72 %					
Air Inlet - Outlet Enthalpy 83,64 - 44,31 kJ/kg	Fluid Flow / Vol. Flow 26.679 lb/h / 53,29 gal/min					
Air Press.Drop(Wet/Dry) 0,83 inAq / 0,5 inAq	Fluid Press.Drop / Fluid Velocity 6,42 kPa / 131,5 ft/min					
Coil Surface Area 117 m²	Tube Inner Volume 33,60 L					
Manifold / Conn.QTY 1 / 1	Conn.Direction Right		Air Condensation 56,5898 l/h Hygienic ☐ Blygold ☐			
Connection Sizes 76,1 / 76,1 mm (2-1/2" DN65 / 2-1/2" DN65)						
Bypass Damper						

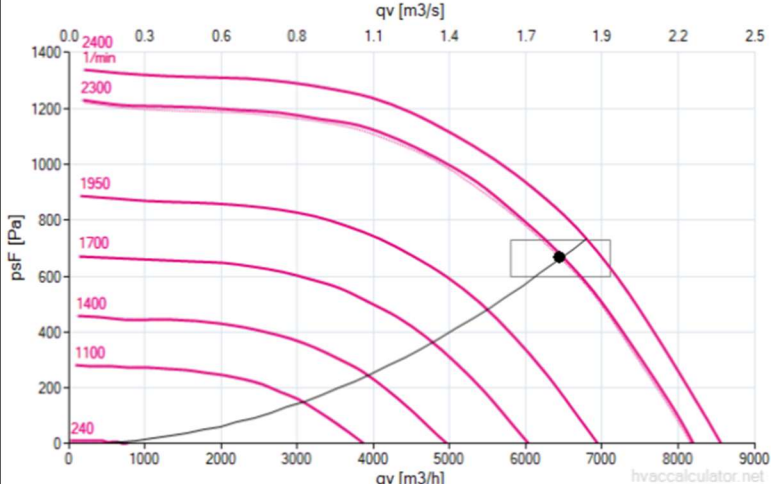
ACCESSORIES (M2)

Ball Siphon



TECHNICAL DATA			
Date	13.02.2024	Rev. Date	21.03.2024
Project ID	8438	Tracking Number	2F+UVC+CC
Project Name	יטא לדוגמא עם מחתיק קול באספקה		
AHU Name	AHU 1 - (1 QTY)		
AHU Model	AVIT-2020 [646 CWC EH SL]		
			AVIVIT HAPACH  אביבית הפח  Manufacturer and Reseller of Air Conditioning Equipment - Heating Ventilation and Air Purification Units Tel: +972-8-8645556, Fax: +972-8-8645559 היקף המכשירים 2024, 2023, 2022, 2021 2020, 2019, 2018, 2017 2016, 2015, 2014, 2013 2012, 2011, 2010, 2009 2008, 2007, 2006, 2005 2004, 2003, 2002, 2001 2000, 1999, 1998, 1997 1996, 1995, 1994, 1993 1992, 1991, 1990, 1989 1988, 1987, 1986, 1985 1984, 1983, 1982, 1981 1980, 1979, 1978, 1977 1976, 1975, 1974, 1973 1972, 1971, 1970, 1969 1968, 1967, 1966, 1965 1964, 1963, 1962, 1961 1960, 1959, 1958, 1957 1956, 1955, 1954, 1953 1952, 1951, 1950, 1949 1948, 1947, 1946, 1945 1944, 1943, 1942, 1941 1940, 1939, 1938, 1937 1936, 1935, 1934, 1933 1932, 1931, 1930, 1929 1928, 1927, 1926, 1925 1924, 1923, 1922, 1921 1920, 1919, 1918, 1917 1916, 1915, 1914, 1913 1912, 1911, 1910, 1909 1908, 1907, 1906, 1905 1904, 1903, 1902, 1901 1900, 1899, 1898, 1897 1896, 1895, 1894, 1893 1892, 1891, 1890, 1889 1888, 1887, 1886, 1885 1884, 1883, 1882, 1881 1880, 1879, 1878, 1877 1876, 1875, 1874, 1873 1872, 1871, 1870, 1869 1868, 1867, 1866, 1865 1864, 1863, 1862, 1861 1860, 1859, 1858, 1857 1856, 1855, 1854, 1853 1852, 1851, 1850, 1849 1848, 1847, 1846, 1845 1844, 1843, 1842, 1841 1840, 1839, 1838, 1837 1836, 1835, 1834, 1833 1832, 1831, 1830, 1829 1828, 1827, 1826, 1825 1824, 1823, 1822, 1821 1820, 1819, 1818, 1817 1816, 1815, 1814, 1813 1812, 1811, 1810, 1809 1808, 1807, 1806, 1805 1804, 1803, 1802, 1801 1800, 1799, 1798, 1797 1796, 1795, 1794, 1793 1792, 1791, 1790, 1789 1788, 1787, 1786, 1785 1784, 1783, 1782, 1781 1780, 1779, 1778, 1777 1776, 1775, 1774, 1773 1772, 1771, 1770, 1769 1768, 1767, 1766, 1765 1764, 1763, 1762, 1761 1760, 1759, 1758, 1757 1756, 1755, 1754, 1753 1752, 1751, 1750, 1749 1748, 1747, 1746, 1745 1744, 1743, 1742, 1741 1740, 1739, 1738, 1737 1736, 1735, 1734, 1733 1732, 1731, 1730, 1729 1728, 1727, 1726, 1725 1724, 1723, 1722, 1721 1720, 1719, 1718, 1717 1716, 1715, 1714, 1713 1712, 1711, 1710, 1709 1708, 1707, 1706, 1705 1704, 1703, 1702, 1701 1700, 1699, 1698, 1697 1696, 1695, 1694, 1693 1692, 1691, 1690, 1689 1688, 1687, 1686, 1685 1684, 1683, 1682, 1681 1680, 1679, 1678, 1677 1676, 1675, 1674, 1673 1672, 1671, 1670, 1669 1668, 1667, 1666, 1665 1664, 1663, 1662, 1661 1660, 1659, 1658, 1657 1656, 1655, 1654, 1653 1652, 1651, 1650, 1649 1648, 1647, 1646, 1645 1644, 1643, 1642, 1641 1640, 1639, 1638, 1637 1636, 1635, 1634, 1633 1632, 1631, 1630, 1629 1628, 1627, 1626, 1625 1624, 1623, 1622, 1621 1620, 1619, 1618, 1617 1616, 1615, 1614, 1613 1612, 1611, 1610, 1609 1608, 1607, 1606, 1605 1604, 1603, 1602, 1601 1600, 1599, 1598, 1597 1596, 1595, 1594, 1593 1592, 1591, 1590, 1589 1588, 1587, 1586, 1585 1584, 1583, 1582, 1581 1580, 1579, 1578, 1577 1576, 1575, 1574, 1573 1572, 1571, 1570, 1569 1568, 1567, 1566, 1565 1564, 1563, 1562, 1561 1560, 1559, 1558, 1557 1556, 1555, 1554, 1553 1552, 1551, 1550, 1549 1548, 1547, 1546, 1545 1544, 1543, 1542, 1541 1540, 1539, 1538, 1537 1536, 1535, 1534, 1533 1532, 1531, 1530, 1529 1528, 1527, 1526, 1525 1524, 1523, 1522, 1521 1520, 1519, 1518, 1517 1516, 1515, 1514, 1513 1512, 1511, 1510, 1509 1508, 1507, 1506, 1505 1504, 1503, 1502, 1501 1500, 1499, 1498, 1497 1496, 1495, 1494, 1493 1492, 1491, 1490, 1489 1488, 1487, 1486, 1485 1484, 1483, 1482, 1481 1480, 1479, 1478, 1477 1476, 1475, 1474, 1473 1472, 1471, 1470, 1469 1468, 1467, 1466, 1465 1464, 1463, 1462, 1461 1460, 1459, 1458, 1457 1456, 1455, 1454, 1453 1452, 1451, 1450, 1449 1448, 1447, 1446, 1445 1444, 1443, 1442, 1441 1440, 1439, 1438, 1437 1436, 1435, 1434, 1433 1432, 1431, 1430, 1429 1428, 1427, 1426, 1425 1424, 1423, 1422, 1421 1420, 1419, 1418, 1417 1416, 1415, 1414, 1413 1412, 1411, 1410, 1409 1408, 1407, 1406, 1405 1404, 1403, 1402, 1401 1400, 1399, 1398, 1397 1396, 1395, 1394, 1393 1392, 1391, 1390, 1389 1388, 1387, 1386, 1385 1384, 1383, 1382, 1381 1380, 1379, 1378, 1377 1376, 1375, 1374, 1373 1372, 1371, 1370, 1369 1368, 1367, 1366, 1365 1364, 1363, 1362, 1361 1360, 1359, 1358, 1357 1356, 1355, 1354, 1353 1352, 1351, 1350, 1349 1348, 1347, 1346, 1345 1344, 1343, 1342, 1341 1340, 1339, 1338, 1337 1336, 1335, 1334, 1333 1332, 1331, 1330, 1329 1328, 1327, 1326, 1325 1324, 1323, 1322, 1321 1320, 1319, 1318, 1317 1316, 1315, 1314, 1313 1312, 1311, 1310, 1309 1308, 1307, 1306, 1305 1304, 1303, 1302, 1301 1300, 1299, 1298, 1297 1296, 1295, 1294, 1293 1292, 1291, 1290, 1289 1288, 1287, 1286, 1285 1284, 1283, 1282, 1281 1280, 1279, 1278, 1277 1276, 1275, 1274, 1273 1272, 1271, 1270, 1269 1268, 1267, 1266, 1265 1264, 1263, 1262, 1261 1260, 1259, 1258, 1257 1256, 1255, 1254, 1253 1252, 1251, 1250, 1249 1248, 1247, 1246, 1245 1244, 1243, 1242, 1241 1240, 1239, 1238, 1237 1236, 1235, 1234, 1233 1232, 1231, 1230, 1229 1228, 1227, 1226, 1225 1224, 1223, 1222, 1221 1220, 1219, 1218, 1217 1216, 1215, 1214, 1213 1212, 1211, 1210, 1209 1208, 1207, 1206, 1205 1204, 1203, 1202, 1201 1200, 1199, 1198, 1197 1196, 1195, 1194, 1193 1192, 1191, 1190, 1189 1188, 1187, 1186, 1185 1184, 1183, 1182, 1181 1180, 1179, 1178, 1177 1176, 1175, 1174, 1173 1172, 1171, 1170, 1169 1168, 1167, 1166, 1165 1164, 1163, 1162, 1161 1160, 1159, 1158, 1157 1156, 1155, 1154, 1153 1152, 1151, 1150, 1149 1148, 1147, 1146, 1145 1144, 1143, 1142, 1141 1140, 1139, 1138, 1137 1136, 1135, 1134, 1133 1132, 1131, 1130, 1129 1128, 1127, 1126, 1125 1124, 1123, 1122, 1121 1120, 1119, 1118, 1117 1116, 1115, 1114, 1113 1112, 1111, 1110, 1109 1108, 1107, 1106, 1105 1104, 1103, 1102, 1101 1100, 1099, 1098, 1097 1096, 1095, 1094, 1093 1092, 1091, 1090, 1089 1088, 1087, 1086, 1085 1084, 1083, 1082, 1081 1080, 1079, 1078, 1077 1076, 1075, 1074, 1073 1072, 1071, 1070, 1069 1068, 1067, 1066, 1065 1064, 1063, 1062, 1061 1060, 1059, 1058, 1057 1056, 1055, 1054, 1053 1052, 1051, 1050, 1049 1048, 1047, 1046, 1045 1044, 1043, 1042, 1041 1040, 1039, 1038, 1037 1036, 1035, 1034, 1033 1032, 1031, 1030, 1029 1028, 1027, 1026, 1025 1024, 1023, 1022, 1021 1020, 1019, 1018, 1017 1016, 1015, 1014, 1013 1012, 1011, 1010, 1009 1008, 1007, 1006, 1005 1004, 1003, 1002, 1001 1000, 999, 998, 997 996, 995, 994, 993 992, 991, 990, 989 988, 987, 986, 985 984, 983, 982, 981 980, 979, 978, 977 976, 975, 974, 973 972, 971, 970, 969 968, 967, 966, 965 964, 963, 962, 961 960, 959, 958, 957 956, 955, 954, 953 952, 951, 950, 949 948, 947, 946, 945 944, 943, 942, 941 940, 939, 938, 937 936, 935, 934, 933 932, 931, 930, 929 928, 927, 926, 925 924, 923, 922, 921 920, 919, 918, 917 916, 915, 914, 913 912, 911, 910, 909 908, 907, 906, 905 904, 903, 902, 901 900, 899, 898, 897 896, 895, 894, 893 892, 891, 890, 889 888, 887, 886, 885 884, 883, 882, 881 880, 879, 878, 877 876, 875, 874, 873 872, 871, 870, 869 868, 867, 866, 865 864, 863, 862, 861 860, 859, 858, 857 856, 855, 854, 853 852, 851, 850, 849 848, 847, 846, 845 844, 843, 842, 841 840, 839, 838, 837 836, 835, 834, 833 832, 831, 830, 829 828, 827, 826, 825 824, 823, 822, 821 820, 819, 818, 817 816, 815, 814, 813 812, 811, 810, 809 808, 807, 806, 805 804, 803, 802, 801 800, 799, 798, 797 796, 795, 794, 793 792, 791, 790, 789 788, 787, 786, 785 784, 783, 782, 781 780, 779, 778, 777 776, 775, 774, 773 772, 771, 770, 769 768, 767, 766, 765 764, 763, 762, 761 760, 759, 758, 757 756, 755, 754, 753 752, 751, 750, 749 748, 747, 746, 745 744, 743, 742, 741 740, 739, 738, 737 736, 735, 734, 733 732, 731, 730, 729 728, 727, 726, 725 724, 723, 722, 721 720, 719, 718, 717 716, 715, 714, 713 712, 711, 710, 709 708, 707, 706, 705 704, 703, 702, 701 700, 699, 698, 697 696, 695, 694, 693 692, 691, 690, 689 688, 687, 686, 685 684, 683, 682, 681 680, 679, 678, 677 676, 675, 674, 673 672, 671, 670, 669 668, 667, 666, 665 664, 663, 662, 661 660, 659, 658, 657 656, 655, 654, 653 652, 651, 650, 649 648, 647, 646, 645 644, 643, 642, 641 640, 639, 638, 637 636, 635, 634, 633 632, 631, 630, 629 628, 627, 626, 625 624, 623, 622, 621 620, 619, 618, 617 616, 615, 614, 613 612, 611, 610, 609 608, 607, 606, 605 604, 603, 602, 601 600, 599, 598, 597 596, 595, 594, 593 592, 591, 590, 589 588, 587, 586, 585 584, 583, 582, 581 580, 579, 578, 577 576, 575, 574, 573 572, 571, 570, 569 568, 567, 566, 565 564, 563, 562, 561 560, 559, 558, 557 556, 555, 554, 553 552, 551, 550, 549 548, 547, 546, 545 544, 543, 542, 541 540, 539, 538, 537 536, 535, 534, 533 532, 531, 530, 529 528, 527, 526, 525 524, 523, 522, 521 520, 519, 518, 517 516, 515, 514, 513 512, 511, 510, 509 508, 507, 506, 505 504, 503, 502, 501 500, 499, 498, 497 496, 495, 494, 493 492, 491, 490, 489 488, 487, 486, 485 484, 483, 482, 481 480, 479, 478, 477 476, 475, 474, 473 472, 471, 470, 469 468, 467, 466, 465 464, 463, 462, 461 460, 459, 458, 457 456, 455, 454, 453 452, 451, 450, 449 448, 447, 446, 445 444, 443, 442, 441 440, 439, 438, 437 436, 435, 434, 433 432, 431, 430, 429 428, 427, 426, 425 424, 423, 422, 421 420, 419, 418, 417 416, 415, 414, 413 412, 411, 410, 409 408, 407, 406, 405 404, 403, 402, 401 400, 399, 398, 397 396, 395, 394, 393 392, 391, 390, 389 388, 387, 386, 385 384, 383, 382, 381 380, 379, 378, 377 376, 375, 374, 373 372, 371, 370, 369 368, 367, 366, 365 364, 363, 362, 361 360, 359, 358, 357 356, 355, 354, 353 352, 351, 350, 349 348, 347, 346, 345 344, 343, 342, 341 340, 339, 338, 337 336, 335, 334, 333 332, 331, 330, 329 328, 327, 326, 325 324, 323, 322, 321 320, 319, 318, 317 316, 315, 314, 313 312, 311, 310, 309 308, 307, 306, 305 304, 303, 302, 301 300, 299, 298, 297 296, 295, 294, 293 292, 291, 290, 289 288, 287, 286, 285 284, 283, 282, 281 280, 279, 278, 277 276, 275, 274, 273 272, 271, 270, 269 268, 267, 266, 265 264, 263, 262, 261 260, 259, 258, 257 256, 255, 254, 253 252, 251, 250, 249 248, 247, 246, 245 244, 243, 242, 241 240, 239, 238, 237 236, 235, 234, 233 232, 231, 230, 229 228, 227, 226, 225 224, 223, 222, 221 220, 219, 218, 217 216, 215, 214, 213 212, 211, 210, 209 208, 207, 206, 205 204, 203, 202, 201 200, 199, 198, 197 196, 195, 194, 193 192, 191, 190, 189 188, 187, 186, 185 184, 183, 182, 181 180, 179, 178, 177 176, 175, 174, 173 172, 171, 170, 169 16

TECHNICAL DATA			
Date	13.02.2024	Rev. Date	21.03.2024
Project ID	8438	Tracking Number	2F+UVC+CC
Project Name	יטא לדוגמא עם חשתיק קול באספקה		
AHU Name	AHU 1 - (1 QTY)		
AHU Model	AVIT-2020 [646 CWC EH SL]		
			AVIVIT HAPACH Manufacture and Installation of Air Conditioning Units אביבית הפח יצרנית ומונחת יחידות קירור אוויר www.avivit-hapach.co.il אביבית הפח www.avivithapach.co.il
			HVACALC V. 2.2.4.61 18.03.2024 AVIVIT 5/7

SUPPLY FAN (M4)				
Air Flow	Motor Type	Fan Model	Quantity	Section Weight
3.800 ft³/min	EC	Ziehl-Abegg-RH40C-ZID.DC.CR 114512	1	133,8 kg
Internal Static Pressure	Motor P./Pha./Volt./Freq.	Isolator	Isolator Count	
1,67 inAq	2,4 kW/3P/400V/50-60V-Hz			
External Static Pressure		Backup Fan	Backup Motor	Backup Inverter
1 inAq		0	0	0
Total Static Pressure				
Total Pressure				
3,01 inAq				
Total / Static Efficiency				
68,07 / 60,27 %				
Shaft Power / Absorbed Power	Absorbed Power With VFD			
1,98 / 1,98 kW	1,98 kW			
Fan Speed				
2289 rpm (Max. 2400 rpm)				
	Air Density			
	1,2118 kg/m³			
Specific Fan Power (SFP _{int})	Electrical Current			
0,0426 W/(l/s)	2,85 A (Max. 3,46 A)			

Sound Power Level (dB)									
Hz	63	125	250	500	1000	2000	4000	8000	LwA-tot
Outlet Side	46,0	55,2	76,0	76,4	82,2	79,2	74,8	77,1	86,2 dBA
Inlet Side	43,3	51,7	72,8	71,8	70,6	71,5	68,8	75,4	80,1 dBA

* The fan system effect is taken into account in the fan performance

* The fan calculated for wet conditions

Energy Efficiency Class	A⁺
-------------------------	----------------------

ACCESSORIES (M4)	
IP67 BOX,Module Lamp,Sight Glass	



SILENCER (M9)					
Air Flow	Acoustical Insulation (250 Hz)	Air Velocity	Pressure Drop	Silencer Thickness	Section Weight
3.800 ft³/min	11 dB	559 ft/min	0,06 inAq	200 mm	189,7 kg
Silencer Code			Silencer Material		Hygienic
200d 100s 4n 500L 1195H 1245A			Rock Wool 50 mm (70kg/m3)		☐

Acoustical Insulation (dB)							
63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
2,2	3,3	11,0	10,3	11,7	11,7	8,4	8,1

www.avivit-hapach.co.il	Office Tel:	+972-8-8645556
avivithapach@avivit-hapach.co.il	Office Fax:	+972-8-8645559



AVIVIT HAPACH (אביבית הַפַּח)  **ביבית הפח**
 (אביבית הַפַּח) (אביבית הַפַּח)  **ביבית הפח**
 Manufacture and Installation of Air Conditioning, Heating, Ventilation and Filtering Units/Systems, Industrial Area of Aton, Ashdod, P.O. Box 1880-7784, Israel
 Tel: +972-8-6445559, Fax: +972-8-6445559

Technical drawing of a rectangular layout, likely a floor plan or a technical drawing of a structure. The drawing shows a large rectangle divided into several sections by vertical lines. The dimensions are given in millimeters (mm).

Labels: M6, M8, M2, M7, M4, M9

Dimensions (mm):

- Overall width: 2960
- Overall height: 1380
- Section widths (from left to right): 650, 900, 520, 770
- Section heights (from top to bottom): 1610, 1350
- Small gaps: 60, 60

The drawing is a technical drawing of a rectangular layout, likely a floor plan or a technical drawing of a structure. The drawing shows a large rectangle divided into several sections by vertical lines. The dimensions are given in millimeters (mm).

Section	Module	Type	Count	Width	Height	Length	Weight	Total Weight
S1		Filter	1	1.380 mm	1.480 mm	90 mm	113,4 kg	113,4 kg
S1		Filter	1	1.440 mm	1.480 mm	650 mm	141,9 kg	141,9 kg
S1		Cooling Coil	1	1.530 mm	1.480 mm	900 mm	292,4 kg	292,4 kg
	3 pcs.					1.640 mm	548 kg	548 kg
S2		Electric Heater	1	1.380 mm	1.480 mm	60 mm	79,97 kg	79,97 kg
S2		Fan	1	1.500 mm	1.480 mm	520 mm	133,8 kg	133,8 kg
S2		Silencer	1	1.380 mm	1.480 mm	820 mm	189,7 kg	189,7 kg
	3 pcs.					1.400 mm	403 kg	403 kg
2 pcs.	6 pcs.						951 kg	951 kg

TECHNICAL DATA				AVIVIT HAPACH חברת האוורור והקירור מחלקת הנדסה וכלי מחשב תוכנת האוורור והקירור התוכנית	
----------------	--	--	--	--	--



Ecodesign Requirements Table					
		Value		2016	2018
	Product	AVIVIT			
	Erp	2018			
A	Manufacturer	AVIVIT			
B	Model Identifier	AVIT-2020 [646 CWC EH SL]			
C	ErP Code	NRVU - UVU			
D	Type Of Drive	Direct driven EC motor, speed controlled	---	Required	Required
E	Type Of HRS	---			
	HRS Damper	---		Required	Required
F	Thermal Efficiency of HRS	---		---	---
G	Nominal Flow Rate	1,79 m³/s	---		
H	Effective Electrical Power Input	1,98 kW	---		
I	SFPint	0,0426 W/(l/s)	---	<= 250	<= 230
J	Face Velocity	222,4 ft/min	---		
K	Nominal External Drop Δps, Ext	1 inAq	---		
L	Internal Pressure Drop Δps, Int	1,67 inAq	---		
M	Additional Pressure Drop Δps, Add	0,34 inAq	---		
N	Static Fan Efficiency EC327/2011	60,27 %	---		
O	Declared Maximum Internal Leakage Rate	---			
P	Energy Performance Of Filters	NA	---		
Q	Description Of Visual Filter Warning	Manometer Pressure Gauge	---		Required
R	Casing Sound Power Level (Lwa)	54,7 dBA			
S	Internet Address Of Instructions	www.avivit-hapach.co.il			

www.avivit-hapach.co.il	Office Tel:	+972-8-8645556
avivithapach@avivit-hapach.co.il	Office Fax:	+972-8-8645559

