



Series 1500 (S15E/XES15E) Cooling Tower Performance at Standard Conditions

Table with columns for Condition Reference #, Wet Bulb °F, Range °F, Approach °F, Inlet Water Temperature °F, Outlet Water Temperature °F, and Model Capacity (GPM) for various cooling tower models (S15E-1212-07JN to XES15E-1218-09FN).



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Condition Reference #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44		
Wet Bulb °F	50	50	50	50	50	55	55	55	55	55	60	60	60	60	60	65	65	65	65	65	70	70	70	70	70	75	75	75	75	75	80	80	80	80	80	85	85	85	85	85	90	90	90	90		
Range °F	10	10	10	15	15	10	10	10	15	15	10	10	10	15	15	10	10	10	15	15	10	10	10	15	15	10	10	10	15	15	10	10	10	15	15	10	10	10	10	15	15	10	10	10	15	
Approach °F	7	10	12	7	12	7	10	12	7	12	7	10	12	7	12	7	10	12	7	12	7	10	12	7	12	7	10	12	7	10	12	7	10	12	7	10	12	7	10	12	7	10	12	7		
Inlet Water Temperature °F	67	70	72	72	77	72	75	77	77	82	77	80	82	82	87	82	85	87	87	92	87	90	92	92	92	97	92	95	97	97	102	97	100	102	102	107	102	105	107	107	107	112	107	110	112	112
Outlet Water Temperature °F	57	60	62	57	62	62	65	67	62	67	67	70	72	67	72	72	75	77	72	77	77	80	82	77	82	82	85	87	82	87	87	90	92	92	87	92	92	95	97	92	97	100	102	97		
Model Capacity (GPM)	GPM																																													
XES15E-1218-09GN	641.56	824.01	946.76	518.15	743.1	700.98	901.08	1035.39	566.45	814.59	769.11	988.77	1135.67	621.96	896	846.64	1087.72	1248.16	685.35	988.03	934.33	1198.6	1373.36	757.37	1091.45	1033.05	1322.13	1511.83	838.94	1207.12	1143.86	1459.16	1664.21	931.19	1336.09	1268.1	1610.86	1831.39	1035.57	1479.72	1407.59	1778.79	2014.71	1153.99		
XES15E-1218-09HN	764.99	975.79	1116.87	621.49	882.49	833.8	1064.43	1218.41	677.76	964.94	912.51	1165.03	1333.02	742.26	1058.59	1001.84	1278.26	1461.25	815.72	1164.18	1102.61	1404.8	1603.6	898.96	1282.52	1215.74	1545.39	1760.61	992.98	1414.5	1342.36	1700.94	1932.93	1099	1561.25	1483.94	1872.65	2121.51	1218.62	1724.23	1642.44	2062.23	2327.73	1353.93		
XES15E-1218-10EN	525.73	680.54	785.32	421.77	611.74	576.01	746.27	861.24	462.38	672.52	633.83	821.28	947.39	509.17	741.93	698.82	906.17	1044.31	562.77	820.65	774.69	1001.58	1152.5	623.85	909.37	859.24	1108.19	1272.52	693.26	1008.92	954.43	1226.83	1404.98	772.01	1120.26	1061.52	1358.56	1550.76	861.39	1244.65	1182.13	1504.85	1711.08	963.16		
XES15E-1218-10FN	581.53	750.3	864.24	467.85	675.36	636.4	821.81	946.68	512.29	741.57	699.43	903.3	1040.12	563.45	817.09	771.29	995.43	1145.1	621.96	902.62	852.7	1098.83	1262.15	688.57	998.9	944.51	1214.22	1391.82	764.15	1106.78	1047.75	1342.48	1534.78	849.78	1227.28	1163.72	1484.7	1691.89	946.85	1361.73	1294.18	1642.43	1864.46	1057.2		
XES15E-1218-10GN	676.34	867.8	996.51	546.71	782.92	738.71	948.62	1089.4	597.47	857.92	810.21	1040.54	1194.47	655.77	943.29	891.54	1144.24	1312.27	722.31	1039.77	983.48	1260.38	1443.35	797.89	1148.14	1086.95	1389.71	1588.24	883.46	1269.3	1203.04	1533.14	1747.64	980.19	1404.33	1333.15	1691.84	1922.46	1089.59	1554.65	1479.16	1867.46	2114.07	1213.66		
XES15E-1218-10HN	804.35	1024.81	1172.22	654.11	927.26	876.34	1117.43	1278.26	713.04	1013.46	958.65	1222.52	1397.91	780.56	1111.33	1052.03	1340.75	1531.7	857.42	1221.64	1157.32	1472.81	1680.17	944.49	1345.19	1275.47	1619.47	1843.86	1042.77	1482.94	1407.65	1781.66	2023.44	1153.56	1636.02	1555.37	1960.63	2219.86	1278.48	1805.94	1720.67	2158.13	2434.57	1419.73		
XES15E-1218-10JN	929	1176.3	1340.88	759.48	1067.07	1009.93	1279.78	1458.95	826.08	1163.62	1102.25	1396.92	1591.85	902.22	1272.98	1206.74	1528.39	1740.13	988.68	1395.93	1324.28	1674.9	1904.28	1086.38	1533.33	1455.84	1837.21	2084.83	1196.39	1686.12	1602.66	2016.28	2282.44	1320.08	1855.5	1766.33	2213.38	1459.18	2043.05	1949				1616.05		
XES15E-1218-11EN	548.52	709.81	818.95	440.18	638.14	600.91	778.28	898.02	482.5	701.45	661.15	856.4	987.73	531.27	773.76	729.9	944.81	1088.64	587.11	855.74	807.88	1044.15	1201.28	650.76	948.14	895.93	1155.14	1326.21	723.06	1051.79	995.06	1278.65	1464.08	805.08	1167.71	1106.55	1415.76	1615.79	898.18	1297.2	1232.12	1568.01	1782.61	1004.15		
XES15E-1218-11FN	604.76	779.87	898.05	486.75	702.13	661.7	854.04	983.54	532.89	770.82	727.1	938.56	1080.41	585.99	849.15	801.64	1034.07	1189.23	646.72	937.85	886.08	1141.26	1310.53	715.83	1037.67	981.28	1260.87	1444.9	794.24	1149.51	1088.32	1393.77	1592.99	883.05	1274.4	1208.53	1541.11	1755.72	983.71	1413.72	1343.72	1704.49	1934.43	1098.12		
XES15E-1218-11GN	705.5	904.59	1038.35	570.62	816.34	770.37	988.58	1134.86	623.44	894.31	844.71	1084.1	1243.99	684.1	983.05	929.26	1191.82	1366.32	753.31	1083.3	1024.81	1312.44	1502.4	831.91	1195.88	1132.32	1446.72	1652.78	920.86	1321.7	1252.89	1595.59	1818.17	1021.39	1461.89	1387.99	1760.28	1999.51	1135.05	1617.91	1539.57	1942.47	2198.22	1263.92		
XES15E-1218-11HN	839.74	1069	1222.2	683.37	967.58	914.62	1165.27	1332.38	744.72	1057.21	1000.22	1274.47	1456.63	814.98	1158.94	1097.3	1397.27	1595.55	894.95	1273.55	1206.73	1534.41	1749.65	985.49	1401.89	1329.48	1686.65	1919.49	1087.68	1544.92	1466.75	1854.96	2105.76	1202.81	1703.82	1620.12	2040.62	1332.6	1880.16	1791.68	2245.44	2532.01	1479.29			
XES15E-1218-11JN	970.6	1227.89	1399	794.08	1114.27	1054.82	1335.48	1521.7	863.45	1214.69	1150.86	1457.24	1659.78	942.71	1328.41	1259.54	1593.86	1813.79	1032.7	1456.22	1381.74	1746.05	1984.23	1134.35	1598.99	1518.48	1914.6	2171.63	1248.78	1757.71	1671.02	2100.48	2376.66	1377.38	1933.59	1841	2305.01	1521.95	2128.26	2030.64			1684.93			
XES15E-1218-12EN	567.44	734.33	847.25	455.34	660.16	621.64	805.17	929.07	499.13	725.68	683.97	886.01	1021.9	549.59	800.5	755.11	977.49	1126.32	607.37	885.33	835.8	1080.28	1242.88	673.22	980.94	926.91	1195.14	1372.16	748.04	1088.19	1029.49	1322.95	1514.84	832.91	1208.15	1144.86	1464.84	1671.84	929.24	1342.15	1274.8	1622.4	1844.48	1038.89		
XES15E-1218-12FN	627.47	809.09	931.65	505.07	728.46	686.54	886.01	1020.3	552.93	799.7	754.36	973.66	1120.75	608.01	880.94	831.67	1072.71	1233.59	670.99	972.92	919.23	1183.86	1359.38	742.67	1076.44	1017.96	1307.88	1498.69	823.99	1192.41	1128.96	1445.68	1652.24	916.09	1321.91	1253.61	1598.46	1820.96	1020.48	1466.37	1393.79	1767.85	2006.24	1139.12		
XES15E-1218-12GN	730.64	936.52	1074.81	591.12	845.27	797.73	1023.36	1174.57	645.76	925.9	874.61	1122.1	1287.37	708.5	1017.64	962.02	1233.44	1413.79	780.09	1121.27	1060.82	1358.1	1554.4	861.37	1237.64	1171.94	1496.87	1709.78	953.35	1367.68	1296.56	1650.69	1880.63	1057.28	1512.55	1436.19	1820.83	2067.95	1174.77	1673.75	1592.81	2009.03	2273.18	1307.96		
XES15E-1218-12HN	869.19	1105.98	1264.16	707.61	1001.24	946.54	1205.38	1377.88	771.01	1093.81	1034.95	1318.11	1506.13	843.61	1198.84	1135.2	1444.86	1649.48	926.22	1317.16	1248.18	1586.38	1808.47	1019.74	1449.63	1374.89	1743.47	1983.66	1125.27	1597.24	1516.57	1917.1	2175.78	1244.14	1761.19	1674.83	2108.59	2385.8	1378.11	1943.09	1851.82	2319.8	2615.27	1529.51		
XES15E-1218-12JN	1006.3	1272.29	1449.11	823.72	1154.85	1093.39	1383.48	1575.87	895.48	1258.66	1192.68	1509.28	1718.48	977.47	1376.17	1305.01	1650.4	1877.51	1070.52	1508.22	1431.28	1807.56	2053.46	1175.61	1655.7	1572.54	1981.58	2246.88	1293.88	1819.6	1730.08	2173.45	1426.77	2001.18	1905.6	2384.52	1576.12	2202.12	2101.37				1744.45			
XES15E-1285-06EN	154.09	202.15	235.01		180.71	169.62	222.74	258.97	134.62	199.64	187.58	246.34	286.28	148.99	221.37	208.18	273.2	317.17	165.53	246.14	231.67	303.53	351.82	184.48	274.21	258.33	337.61	390.46	206.12	305.87	288.52	375.72	433.32	230.82	341.47	322.67	418.28	480.74	259.02	381.47	361.34	465.78	533.15	291.3		
XES15E-1285-06FN	169.78	222.36	258.26	134.86	198.92	186.79	244.86	284.42	148.46	219.62	206.43	270.64	314.22	164.2	243.37	228.95	299.94	347.89	182.31	270.42	254.61	333.02	385.65	203.04	301.05	283.72	370.16	427.72	226.71	335.58	316.66	411.68	474.36	253.69	374.38	353.88	457.99	525.92	284.47	417.93	396.02	509.66	582.88	319.68		
XES15E-1285-06GN	197.94	258.46	299.7	157.62	231.5	217.54	284.31	329.7	173.33	255.31	240.15	313.9	363.85	191.5	282.6	266.04	347.5	402.39	212.37	313.																										