



Temperzone Standard MT Series Air Handling Unit



Model	MT030	MT060	MT120	MT180	MT270	MT360	MT540
Nom. Air Flow [L/S]	725	1500	3000	4500	6750	9000	13500
Case							
Type	65/50 D/Skin	65/50 D/Skin	65/50 D/Skin	65/50 D/Skin	65/50 D/Skin	65/50 D/Skin	65/50 D/Skin
Profile	Tropical 50mm	Tropical 50mm	Tropical 50mm	Tropical 50mm	Tropical 50mm	Tropical 50mm	Tropical 50mm
Construction	D/Skin & Th/Break	D/Skin & Th/Break	D/Skin & Th/Break	D/Skin & Th/Break	D/Skin & Th/Break	D/Skin & Th/Break	D/Skin & Th/Break
Outer Panel	Titania P/C	Titania P/C	Titania P/C	Titania P/C	Titania P/C	Titania P/C	Titania P/C
Inner Panel	M/G Alum.	M/G Alum.	M/G Alum.	M/G Alum.	M/G Alum.	M/G Alum.	M/G Alum.
Dimensions							
Case Height [mm]	800	800	1400	1400	2050	2050	2050
Base Height [mm]	100	100	100	100	100	100	140
Case Width [mm]	800	1400	1400	2050	2050	2720	4020
Case Length [mm]	2490	2890	3290	3290	3850	3710	3710
No. Pieces	2	2	2	2	2	2	2
Weight [kg]	200 kg	329 kg	555 kg	796 kg	1126 kg	1512 kg	2076 kg
Dampers							
F/A Damper [WxD]	328 x 630	328 x 1230	634 x 1230	634 x 1880	838 x 1880	838 x 2550	838 x 1895 x 2 off
R/A Damper [WxD]	328 x 630	328 x 1230	634 x 1230	634 x 1880	838 x 1880	838 x 2550	838 x 1895 x 2 off
Face Velocity	3.51 m/s	3.72 m/s	3.85 m/s	3.78 m/s	4.28 m/s	4.21 m/s	4.25 m/s
Panel Filter							
Type & Thickness	G4, 46mm	G4, 46mm	G4, 46mm	G4, 46mm	G4, 46mm	G4, 46mm	G4, 46mm
Half Size x No. off	-	-	-	-	-	-	-
Full Size x No. off	592 x 592 x 1 off	592 x 592 x 2 off	592 x 592 x 4 off	592 x 592 x 6 off	592 x 592 x 9 off	592 x 592 x 12 off	592 x 592 x 18 off
Face Velocity	2.07 m/s	2.14 m/s	2.14 m/s	2.14 m/s	2.14 m/s	2.14 m/s	2.14 m/s
Bag Filter							
Type & Thickness	F7, 600mm	F7, 600mm	F7, 600mm	F7, 600mm	F7, 600mm	F7, 600mm	F7, 600mm
Half Size x No. off	-	-	-	-	-	-	-
Full Size x No. off	592 x 592 x 1 off	592 x 592 x 2 off	592 x 592 x 4 off	592 x 592 x 6 off	592 x 592 x 9 off	592 x 592 x 12 off	592 x 592 x 18 off
Face Velocity	2.07 m/s	2.14 m/s	2.14 m/s	2.14 m/s	2.14 m/s	2.14 m/s	2.14 m/s
Cooling Coil							
Type	6 row - CU / AL	6 row - CU / AL	6 row - CU / AL	6 row - CU / AL	6 row - CU / AL	6 row - CU / AL	6 row - CU / AL
Fin Area [WxH]	525 x 533 mm	1100 x 533 mm	1100 x 1067 mm	1725 x 1067 mm	1725 x 838 mm [2x]	2400 x 838 mm [2x]	3700 x 838 mm [2x]
FPI / No. Circuits	12 FPI / 7 Circ.	12 FPI / 7 Circ.	12 FPI / 14 Circ.	12 FPI / 28 Circ.	12 FPI / 22 Circ.	12 FPI / 22 Circ.	12 FPI / 33 Circ.
Coil Coating	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin
Connection	1" Brass BSP	2" Brass BSP	2-1/2" Brass BSP	2-1/2" Brass BSP	2-1/2" Brass BSP [2x]	2-1/2" Brass BSP [2x]	3" Brass BSP [2x]
Face Velocity	2.59 m/s	2.56 m/s	2.56 m/s	2.44 m/s	2.33 m/s	2.24 m/s	2.18 m/s
Heating Coil							
Type	2 row - CU / AL	2 row - CU / AL	2 row - CU / AL	2 row - CU / AL	2 row - CU / AL	2 row - CU / AL	2 row - CU / AL
Fin Area [WxH]	500 x 533 mm	1100 x 533 mm	1100 x 1067 mm	1725 x 1067 mm	1725 x 1676 mm	2400 x 1676 mm	3700 x 1676 mm
FPI / No. Circuits	12 FPI / 1 Circ.	12 FPI / 2 Circ.	12 FPI / 4 Circ.	12 FPI / 4 Circ.	12 FPI / 11 Circ.	12 FPI / 11 Circ.	12 FPI / 11 Circ.
Coil Coating	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin	Epoxy Coated Fin
Connection	5/8" CU	3/4" CU	3/4" CU	1" Brass BSP	1-1/2" Brass BSP	1-1/2" Brass BSP	1-1/2" Brass BSP
Face Velocity	2.59 m/s	2.56 m/s	2.56 m/s	2.44 m/s	2.33 m/s	2.24 m/s	2.18 m/s
Drain Tray							
Type	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Drain Size	32 NB	32 NB	32 NB	32 NB	32 NB	32 NB	32 NB
Supply Air Fan							
Type	GR31C-ZID.DC.CR	GR40C-ZID.DC.CR	GR56C-ZID.GL.CR	GR56C-ZID.GL.CR	GR56C-ZID.GL.CR	GR56C-ZID.GL.CR	GR56C-ZID.GL.CR
Power [ea]	1 Ph. 1.40 kW	3 Ph. 2.70 kW	3 Ph. 5.00 kW	3 Ph. 5.00 kW	3 Ph. 5.00 kW	3 Ph. 5.00 kW	3 Ph. 5.00 kW
Current FLC [ea]	6.7 Amps	3.9 Amps	8.0 Amps	8.0 Amps	8.0 Amps	8.0 Amps	8.0 Amps
No. Off	1	1	1	2	2	4	4
Nom. Fan Speed [rpm]	2735 rpm	2309 rpm	1631 rpm	1506 rpm	1677 rpm	1497 rpm	1695 rpm
Maximum RPM	2920 rpm	2400 rpm	1750 rpm	1750 rpm	1750 rpm	1750 rpm	1750 rpm
Nom. 0-10V DC Setting	9.4	9.6	9.4	8.6	9.6	8.6	9.7
S/A Spigot [WxH]	330 x 670	930 X 670	670 x 1270	1220 x 1270	1200 x 1920	1870 x 1920	2510 x 1920
Face Velocity	3.28 m/s	2.41 m/s	3.53 m/s	2.90 m/s	2.93 m/s	2.51 m/s	2.80 m/s
Fan Duty							
Nom. Ext. Static	250 Pa	250 Pa	250 Pa	250 Pa	250 Pa	250 Pa	250 Pa
Mixing Box Damper	10 Pa	10 Pa	10 Pa	10 Pa	10 Pa	10 Pa	10 Pa
G4 Filter [1/2 Dirty]	150 Pa	150 Pa	150 Pa	150 Pa	150 Pa	150 Pa	150 Pa
F7 Filter [1/2 Dirty]	250 Pa	250 Pa	250 Pa	250 Pa	250 Pa	250 Pa	250 Pa
6 Row Cool Coil	155 Pa	158 Pa	158 Pa	146 Pa	134 Pa	124 Pa	118 Pa
2 Row Heat Coil	61 Pa	60 Pa	60 Pa	55 Pa	51 Pa	47 Pa	45 Pa
Fan TSP @ Design	876 Pa	878 Pa	878 Pa	861 Pa	845 Pa	831 Pa	823 Pa
Additional Pa Avail.	170 Pa	100 Pa	220 Pa	400 Pa	100 Pa	400 Pa	100 Pa
Max. Fan Duty	1046 Pa	978 Pa	1098 Pa	1261 Pa	945 Pa	1231 Pa	923 Pa
6RC Cooling Coil							
Capacity kW [Tot]	14.2	33.8	67.6	100.0	151.9	202.7	304.0
Capacity kW [Sen]	10.7	23.9	47.9	71.0	107.8	143.6	215.4
EAT [°C db / wb]	23.0 / 17.0	23.0 / 17.0	23.0 / 17.0	23.0 / 17.0	23.0 / 17.0	23.0 / 17.0	23.0 / 17.0
LAT [°C db / wb]	11.0 / 11.0	10.0 / 10.0	10.0 / 10.0	10.2 / 10.1	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0
Water EWT / LWT [°C]	7.0 / 12.0	7.0 / 12.0	7.0 / 12.0	7.0 / 12.0	7.0 / 12.0	7.0 / 12.0	7.0 / 12.0
Water Flow [kg/s]	0.68kg/s	1.62kg/s	3.23kg/s	4.80kg/s	7.27kg/s	9.70kg/s	14.54kg/s
Water Press. [kPa]	4.1	28.8	28.8	11.9	11.2	24.0	23.2
2RC Heating Coil							
Capacity kW [Tot]	7.8	16.1	32.2	48.2	72.3	96.4	144.6
EAT / LAT [°C db]	21.0 / 30.0	21.0 / 30.0	21.0 / 30.0	21.0 / 30.0	21.0 / 30.0	21.0 / 30.0	21.0 / 30.0
Water EWT / LWT [°C]	50.0 / 30.0	50.0 / 30.0	50.0 / 30.0	50.0 / 30.0	50.0 / 30.0	50.0 / 30.0	50.0 / 30.0
Water Flow [kg/s]	0.09 kg/s	0.19 kg/s	0.38 kg/s	0.58 kg/s	0.86 kg/s	1.15 kg/s	1.73 kg/s
Water Press. [kPa]	7.4	6.1	6.1	17.3	3.4	7.4	21.6
Accessories							
Magnehelic Gauge	1x 500 Pa	1x 500 Pa	1x 500 Pa	1x 500 Pa	1x 500 Pa	1x 500 Pa	1x 500 Pa
LED Light & Switch	2	2	2	2	2	2	2