


## MTP-9-Series-DOMESTIC Air to Water Heat Pump

Model		AM3A-H2XP	AM5A-H2XP	AM7A-H2XP
Power Supply		230V/1N~ 50Hz		
Type of Refrigerant	--	R410a	R410a	R410a
Nominal Heating Capacity <sup>1)</sup>	kW	3.5	5	7.5
Nominal Power Input <sup>1)</sup>	kW	0.82	1.15	1.71
COP <sup>1)</sup>	w/w	4.2	4.3	4.3
Max. Running Current	Amp	6.3	8	13.5
Type of Compressor	--	Rotary	Rotary	Rotary
Number of Compressor	ea	1	1	1
Charged Refrigerant	kg	0.8	0.9	1.1
Expansion Valve	--	EEV/Capillary	EEV/Capillary	EEV/Capillary
Way of Defrost		Reverse Cycle	Reverse Cycle	Reverse Cycle
Type of Fan Motor		Axial, AC	Axial, AC	Axial, AC
Fan Discharge Direction		SIDE	SIDE	SIDE
Number of Fan Motor		1	1	1
Air Heat Exchanger		Hydrophilic Al. Fin-Tube Air Heat Exchanger		
Type of Water Pump		AC	AC	AC
Number of Water Pump	pc	1	1	1
Residual Head of Water Pump	kPa	30	20	15
Nominal Outlet Water Temperature	°C	55		
Water Flow Rate	m3/h	0.64	0.84	1.3
Water Heat Exchanger (Condenser)	--	Copper Tube in Shell Water Heat Exchanger		
Approved Liquid		Clean Water		
Water Piping Connections	inch	Female 3/4"	Female 3/4"	Female 3/4"
Hot Water Production Volume <sup>1)</sup>	Ltrs/h	75	108	160
Suggested Tank Size Range	Liters	80 to 250	80 to 300	80-500
Heat-up time for 100Ltrs <sup>1)</sup>	hour	1.33	0.93	0.62
Operation Temperature Range	°C	Air side: -5 to 43		
Type of Controller		Wired Controller Panel with LCD display and buttons		
Protection Grade		IPX4	IPX4	IPX4
Noise Level	dB(A)	56	56	58
Dimension	mm	750x264x505	930x282x550	996x300x620
Plywood Packing Dimension	mm	940x430x710	1020x460x710	1170x430x820
Net Weight	kg	41	54	65
Gross Weight (Carton/Plywood)	kg	46 / 60	59 / 70	70 / 87
Picture				

Note:

The above designs and specifications might be changed without prior notice for product improvement