

## SPECIFICATIONS SUMMARY

Packaged Rooftop (DX) Commercial Ventilation Unit, Model MPR/ERM

Feature	Cabinet Size	Data <sup>①</sup>					
		7	10	13	15	20	
Basic Unit Capabilities	Model Size (Nominal Tons)	B	7	10	13	15	20
		C	15	20	26	30	
	Airflow Range (CFM)	B	1,100-6,000 <sup>②</sup>				
		C	3,000-12,000 <sup>②</sup>				
Voltages Available (60Hz)	B & C	208V/3ph, 230V/3ph, 460V/3ph, 575V/3ph					
Controls	Controls System	B & C	Modine Controls System featuring Carel				
	Control Hardware	B & C	Carel PC03 or PC05				
	Optional Communications	B & C	BACNet <sup>®</sup> MS/TP or Ethernet, LonWorks <sup>®</sup> FTT-10				
Cooling System	Compressor	B & C	Modulating Tandem Digital Scroll <sup>③</sup>				
	Modulating Range	B & C	10-100% <sup>④</sup>				
	Evaporator Coil	B & C	High Capacity 4 Row, 14 FPI				
	Condenser Coil	B & C	PF™ Aluminum Microchannel from Modine				
	Condenser Fan Motor Control	B & C	Variable Speed for Precise Head Pressure Control				
IEER Part Load Efficiency	B & C	Meets or Exceeds ASHRAE 189.1					
Hot Gas Reheat (Optional)	Hot Gas Reheat Coil	B & C	1 Row, 2-Circuit (patent pending), 14 FPI				
	Modulating Range	B & C	0-100%				
Heating Section (Optional)	Natural Gas Heat Options (Efficiency)	B	150, 200, 250, 300 or 400MBH (81%), 175, 225 or 270MBH (94%)				
		C	300, 400, 500 or 600MBH (81%), 350 or 450MBH (90%)				
	Heat Exchanger Type	B & C	Tubular 409 Stainless Steel with Inshot Burners				
	Natural Gas Staging	B	Modulating, 20 to 100%				
		C	Modulation, 15 to 100%				
	Auxiliary Electric	B & C	Optional, 20kW SCR Controlled				
	Maximum Temp Rise	B & C	100°F				
	Electric Heat Options	B	10 through 80kW				
C		20 through 100kW					
Electric Staging	B & C	Full SCR Modulating					
Maximum Temp Rise	B & C	100°F					
Supply Blower	Blower Type	B & C	High Efficiency, Backward Inclined, Airfoil Plenum Fan <sup>⑤</sup>				
	Blower Qty	B & C	1				
	Blower Sizes (Diameter)	B	11", 16" or 20"				
		C	20", 25" or 28"				
Blower Motor Range	B & C	1 - 15HP, NEMA Premium Efficiency ODP and TE					
Primary Filtration	Filter MERV Ratings	B & C	10, 13 or 15				
	Filter (Qty) - Size	B	(6) - 16" x 25" x 2"				
C		(9) - 20" x 20" x 2"					
Secondary Filtration (Optional)	Filter MERV Ratings	B & C	13 or 16				
	Filter (Qty) - Size	B	(6) - 16" x 25" x 4"				
		C	(9) - 20" x 20" x 4"				
Power Exhaust Blower (Optional)	Blower Type	B & C	High Efficiency, Backward Inclined, Airfoil Plenum Fan <sup>⑤</sup>				
	Blower Qty	B & C	1				
	Blower Sizes (Diameter)	B	11", 16", 20"				
		C	20" or 28"				
Blower Motor Range (HP)	B & C	1 - 10HP, NEMA Premium Efficiency ODP and TE					
Energy Recovery (Optional)	Wheel Type	B & C	Total Energy Recovery, 4Å Zeolite over Aluminum				
	Wheel Effectiveness	B & C	Minimum 60% to Meet ASHRAE 189.1				
	Wheel Sizes (Diameter)	B	28", 36" or 48"				
C		48" or 58"					

① As Modine Manufacturing Company has a continuous product improvement program, it reserves the right to change design and specifications without notice.

② Design conditions and/or application may limit the airflow to less than the maximum airflow shown.

③ Modulating Tandem Digital Scroll compressors on 10- through 30-ton units, Modulating Single Digital Scroll compressor on 7-ton unit.

④ 20-100% modulation range on 7-ton unit.

⑤ 11" is a High Efficiency, Backward Inclined, Flat Curved Blade Plenum Fan.