

COMMERCIAL DUO

VARM COMMERCIAL DUO SERIES

The Varm Commercial Duo Series provides highly efficient heating, cooling, and hot water solutions with eco-friendly R290 refrigerant. It operates reliably even at ambient temperatures as low as -25°C and can supply hot water up to 78°C .

With its wide capacity range, it offers flexible solutions for commercial and industrial applications. Thanks to its A+++ energy class and high COP/EER values, it maximizes energy efficiency and significantly reduces operating costs.

Its durable and robust design ensures long-lasting use, while the low noise level ($<65\text{ dB}$) makes it safe and reliable for all commercial and industrial environments.



-25°C Operating Temperature



78°C Hot Water



Heating and Cooling Mode



Varmeks Model	VM-OMC3402050	VM-OMC3402092
Heating Condition - Ambient Temp. (DB/WB) :7/6°C , Water Temp. (In/Out) : 30/35°C		
Heating Capacity Range (kW)	18.4~49.25	35.2~92
Heating Power Input Range(kW)	4.23~12.96	7.0~23.8
COP Range	3.8~4.3	3.86~5.02
DHW Condition-Ambient Temp. (DB/WB) :20/15°C, Water Temp. (In/Out) : 15/55°C		
Heating Capacity Range (kW)	23.8~68	40.0~120
Heating Power Input Range(kW)	4.23~15.46	9.0~29.5
COP Range	4.46~5.62	4.06~5.5
Heated water output(L/H)	1462	2580
Cooling Condition - Ambient Temp. (DB/WB) :35/24°C ,Water Temp. (In/Out) : 12/7°C		
Cooling Capacity Range (kW)	13.8~34.5	25~66
Cooling Power Input Range(kW)	5.2~16.2	8.92~30.7
EER Range	2.1~2.65	2.15~2.8
Power supply	380~415V/3Ph/50-60Hz	
Max. power input (kW)	20	40
Max. current (A)	32	64
Fuse or circuit breaker (A)	40	80
Wire diameter (mm ²)	10mm ²	22mm ²
Diameter of pipe (mm)	G1.5"	G2"
Sound power level (dB(A))	≤77	≤85
Sound pressure level (dB(A))	≤62	≤65
Max Water Flow(m ³ /h)	8,6	17,2
Water Pressure Drop (max) kPa	80	120
Net Weight (kg)	370	745
Body size(W*D*H)(mm)	1195×980×1900	2510×979×1882
Packing size(W*D*H)(Polywood)	1275×1060×2100	2560×1030×2000
IP Grade (Level of protection)	IPX4	IPX4
Anti-electric shock Rate	I	I
Refrigerant	R290/4.0kg	R290/8.0Kg
Compressor Brand	HIGHLY	HIGHLY
Operation Ambient Temp. (°C)	-25~43°C	
Operating water temperature (°C)	20~78°C (DHW)	
Operating water temperature (°C)	20~78°C (Heating)	
Operating water temperature (°C)	7~30°C (Cooling)	