

RIELLO

MONOBLOC Air to Water Solution



Residential Warranty

RIELLO PRESENTS NXHM

NXHM IS A MONOBLOC AIR SOURCE HEAT PUMP FOR RESIDENTIAL APPLICATIONS, ABLE TO MEET ALL HEATING NEEDS ALONG WITH THE PRODUCTION OF DOMESTIC HOT WATER. THE SYSTEM IS DESIGNED TO BE INSTALLED OUTDOORS AND CONNECTED TO THE RESIDENTIAL SERVICES BY MEANS OF DEDICATED HYDRAULIC LINES.

EFFICIENCY IS A CHOICE

POWERFUL PERFORMANCE WITH HIGH EFFICIENCY:

energy class A+++ (35°C) or A++ (55°C) ensuring high heating power at less energy consumption

CASCADED SYSTEM:

multiple units can be linked together to efficiently meet the customer's peak heat demand or integrated with other heat sources



WIDE RANGE OFFER FOR ALL HOUSEHOLD NEEDS:

10 models from 4kW to 16kW

SUSTAINABILITY:

operating on ecological R32 refrigerant with low Global Warming Potential (GWP) and CO₂ emissions

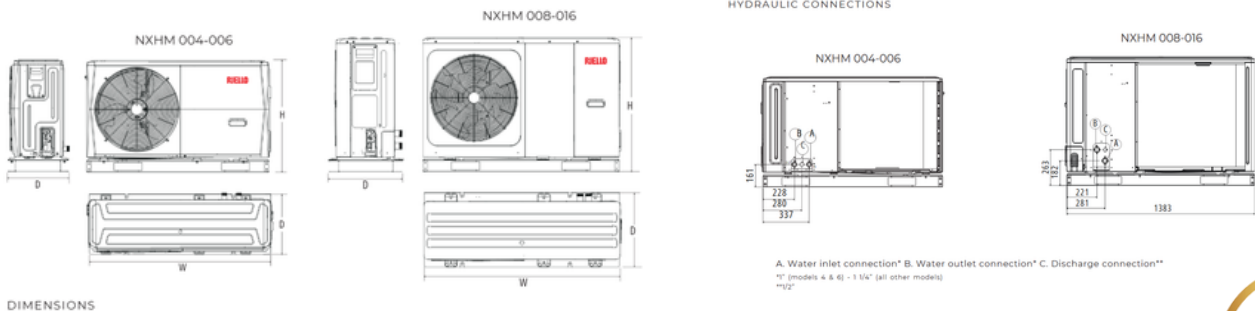
SILENT OPERATION:

for home comfort

NXHM can be installed as a stand-alone heat generator, as a generator in a

hybrid configuration, or as a single heat generator in fully electric systems

	note	uom	*4	6	8	*10	12	*14	16	*12T	*14T	16T
PERFORMANCE DATA SPACE HEATING												
Performance in heating (A7°C DB; W35°C)												
Nominal heating capacity ¹		kW	4.20	6.35	8.40	10.00	12.10	14.50	15.90	12.10	14.50	15.90
COP ¹			5.10	4.95	5.15	4.95	4.95	4.60	4.50	4.95	4.60	4.50
SCOP ¹			4.85	4.95	5.21	5.19	4.81	4.72	4.62	4.81	4.72	4.62
Performance in heating (A7°C DB; W45°C)												
Heating capacity ²		kW	4.30	6.30	8.10	10.00	12.30	14.10	16.00	12.30	14.10	16.00
COP ²			3.80	3.70	3.85	3.75	3.70	3.60	3.50	3.70	3.60	3.50
Performance in heating (A7°C DB; W55°)												
Heating capacity ³		kW	4.40	6.00	7.50	9.50	11.90	13.80	16.00	11.90	13.80	16.00
COP ³			2.95	2.95	3.18	3.10	3.05	2.95	2.85	3.05	2.95	2.85
SCOP ³			3.31	3.52	3.52	3.49	3.45	3.47	3.41	3.45	3.47	3.41
Performance in heating (A2°C DB; W35°C)												
Nominal heating capacity ⁴		kW	4.40	5.50	7.10	8.20	9.20	11.00	13.00	9.20	11.00	13.00
COP ⁴			4.00	3.90	4.10	4.00	3.90	3.60	3.45	3.90	3.60	3.45
Performance in heating (A2°C DB; W45°C)												
Heating capacity ⁵		kW	5.10	5.80	7.40	7.85	10.60	11.50	12.70	10.60	11.50	12.70
COP ⁵			3.00	3.00	3.25	3.20	3.00	2.85	2.85	3.00	2.85	2.85
Performance in heating (A2°C DB; W55°)												
Heating capacity ⁶		kW	5.10	5.65	7.10	8.10	11.30	12.40	13.30	11.30	12.40	13.30
COP ⁶			2.45	2.45	2.60	2.56	2.50	2.45	2.40	2.50	2.45	2.40
Performance in heating (A-7°C DB; W35°C)												
Nominal heating capacity ⁷		kW	4.70	6.00	7.00	8.00	10.00	12.00	13.10	10.00	12.00	13.10
COP ⁷			3.10	3.00	3.20	3.05	3.00	2.85	2.70	3.00	2.85	2.70
Performance in heating (A-7°C DB; W45°C)												
Heating capacity ⁸		kW	4.30	5.40	6.60	7.35	10.20	11.70	12.80	10.20	11.70	12.80
COP ⁸			2.35	2.40	2.55	2.55	2.40	2.35	2.25	2.40	2.35	2.25
Performance in heating (A-7°C DB; W55°)												
Heating capacity ⁹		kW	4.00	5.15	6.15	6.85	9.80	11.00	12.50	9.80	11.00	12.50
COP ⁹			1.95	2.00	2.05	2.00	2.05	2.05	2.00	2.05	2.05	2.00
ENERGY EFFICIENCY SPACE HEATING												
Energy efficiency class (W35°C) ¹⁰			A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
Energy efficiency class (W55°C) ¹¹			A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
SOUND DATA												
Sound pressure ¹²		dB(A)	45.0	47.5	48.5	50.5	53.0	53.5	57.5	53.5	54.0	58.0
Sound power ¹³		dB(A)	55	58	59	60	65	65	68	65	65	68
ELECTRICAL DATA												
Supply voltage		V/ph/Hz					230/1/50				400/3/50	



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TOSHIBA



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