NEPTUNE G

ErP

R454B

Water cooled chillers and heat pumps with scroll compressors
Nominal cooling capacity 52 – 695 kW
Nominal heating capacity 59 – 792 kW

Conditioning your ambient,
maximising your comfort.

MTA®
Cooling, conditioning, purifying.

NEPTUNE G

Water to water chillers, heat pumps and condenserless units

NEPTUNE G and NEPTUNE G HP is the new generation of chillers and heat pumps, reversible on the hydraulic side, available from 50 to 700 kW and equipped with scroll compressors, capable of matching the needs of any Comfort and Process application.

The new range perfectly combines the use of low GWP refrigerant R454B, with high efficiency levels especially at part loads in a extremely compact frame, delivering the ultimate sustainable solution.

▼ VERSIONS

NEPTUNE G Cooling only chiller	**HE**	Standard efficiency
	HEX	High efficiency
NEPTUNE G ME Condenserless unit		
NEPTUNE G HP Heat pump (reversible on hydraulic side)		

▼ ACOUSTIC CONFIGURATIONS

Standard With closing panels up to 150 kW	—
L Low noise with compressors sound jackets	**-3 dB(A)**
S Super low noise with sound jacket for compressors and closing panels with acoustic insulation	**up to -8 dB(A)**

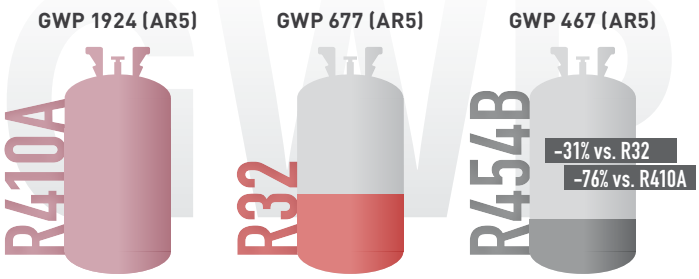
HIGH-EFFICIENCY, ALWAYS

		FULL LOAD	AIR CONDITIONING	PROCESS
		EER (up to)	**SEER** (up to)	**SEPR HT** (up to)
NEPTUNE G	**HE**	4,8	6,5	9,0
	HEX	5,2	6,8	9,7
		COP (up to)	**SCOP LT** (up to)	–
NEPTUNE G HP		4,5	6,5	–

Note > EER: 12/7 °C; 30/35 °C (EN 14511 values) | COP: 40/45 °C; 10/7 °C (EN 14511 values) | SEER REGULATION (EU) N. 2016/2281 | SEPR HT REGULATION (EU) N. 2016/2281 | SCOP LT REGULATION (EU) N. 2016/2281

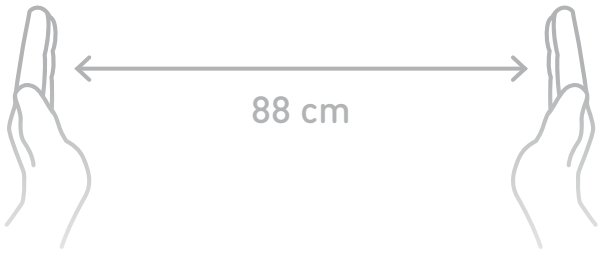
LOW GWP REFRIGERANT R454B

- F-GAS phase-down compatible;
- Composition 69% R32 + 31% R1234yf;
- A2L low-toxicity, mildly flammable (ISO 817);
- Non-Ozone depleting.



JUST 0,88 METRES WIDE

NEPTUNE G units can be easily lifted and moved, passing through doorways. The range is specifically designed to fit into technical rooms optimizing the installation, making them a perfect choice for challenging projects confined spaces.



Standard features

- Scroll compressors;
- Evaporator: stainless steel brazed plate type, externally insulated, complete with flow switch (provided loose) and antifreeze protection electric heater;
- Condenser: stainless steel brazed plate type, externally insulated, complete with flow switch (provided loose);
- Microprocessor;
- Comunication card RS485;
- Housing made with galvanized base and pre-painted metal sheet with epoxy powder (sizes up to 041);
- Housing made with heavy gauge structure in galvanized steel (sizes from 042 to 192);
- Electronic expansion valve.

Kits

- Remote control display;
- Water strainer;
- Water gauges;
- Liquid receiver (only for condenserless version);
- Rubber anti vibration mounts.

Options

- Automatic circuit breakers for compressors;
- Refrigerant gauges;
- Phase failure protection relay;
- Housing with closed panels;
- Victaulic kit;
- Soft-Starter;
- Sea container kit;
- Automatic hydraulic pumps changeover;
- Leak detector;
- Low leaving water temperature kit for operation below 0 °C (evaporator side);
- High leaving water temperature kit for operation up to 65 °C (condenser side);
- Ball valves on the discharge and liquid lines (only for condenserless version).

HYDRAULIC OPTIONS

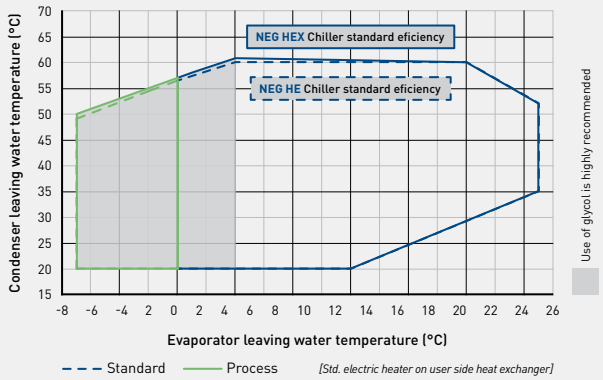
User side	Source side	Buffer tank
B/A Hydraulic external kit including N.1 or N.2 pumps (ON-OFF or Inverter driven), with low (B) or high (A) available head pressure	**L/H** Hydraulic external kit including N.1 or N.2 pumps ((ON-OFF or Inverter driven), with low (B) or high (A) available head pressure	**SB** Hydraulic external kit including buffer tank (not available for HP version)

WIDE OPEARTING RANGE

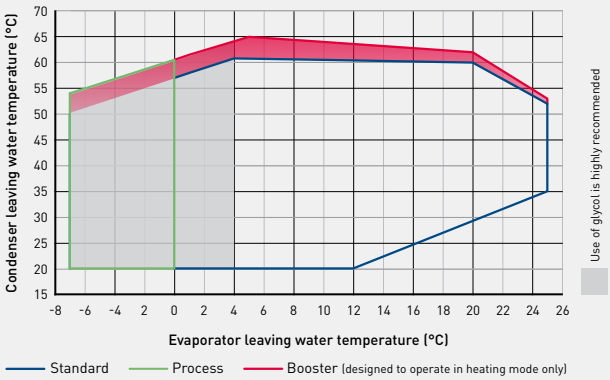
NEPTUNE G chillers and heat pumps are designed to satisfy any application and cover a wide spectrum of operating conditions in both cooling and heating.

The wide operating map addresses the specific design criteria of applications like hospitals, office and residential buildings, warehouses and many industrial applications.

NEPTUNE G | Operating limits



NEPTUNE G HP | Operating limits



COMFORT

Performance and Sustainability

Efficiency optimized for comfort applications in cooling or heating up to 60 °C, or industrial process applications at positive temperatures.

PROCESS

Sustainable solutions

Efficiency optimized for comfort applications in cooling or heating up to 60 °C, or industrial process applications at positive temperatures.

BOOSTER

A unique opportunity to move to renewable energy heating

Operation and efficiency have been optimized to deliver high temperature hot water between 60 and 65 °C (mandatory dT = 10 °C).

NEG - HE version

NEG		013	015	019	023	025	029	033	037	041	042	048	056
Cooling (1)													
Cooling capacity	kW	52,1	59,7	66,9	79,4	91,6	108	126	140	152	152	176	208
Total absorbed power	kW	11,0	12,9	14,6	17,4	19,5	22,7	26,4	28,8	31,8	33,3	40,7	46,1
EER	-	4,76	4,64	4,57	4,57	4,71	4,73	4,80	4,85	4,79	4,56	4,31	4,51
User side													
Water flow	m³/h	9,0	10,3	11,5	13,7	15,7	18,5	21,7	24,0	26,2	26,1	30,2	35,7
Water pressure drop	kPa	19,5	25,5	31,9	44,7	25,5	35,1	26,4	32,2	38,1	37,0	49,3	68,9
Source													
Water flow	m³/h	10,9	12,5	14,0	16,7	19,1	22,4	26,3	29,0	31,6	31,8	37,1	43,6
Water pressure drop	kPa	30,4	40,1	50,3	30,4	39,8	29,9	40,8	34,1	40,4	66,5	90,2	52,5
Cooling (2)													
Rated output	kW	52,1	59,7	66,9	79,4	91,6	108	126	140	152	152	176	208
Seasonal cooling energy efficiency	%	254	247	240	245	244	250	254	260	250	228	210	225
SEER	-	6,43	6,26	6,06	6,21	6,17	6,33	6,43	6,57	6,33	5,79	5,34	5,70
High temperature process cooling (3)													
Rated output	kW	52,1	59,7	66,9	79,4	91,6	108	126	140	152	152	176	208
SEPR HT	-	9,01	8,63	8,19	8,19	8,28	8,61	8,53	8,58	8,27	7,97	7,21	7,75
Condenserless unit (4)													
Cooling capacity	kW	46,4	53,3	60,0	70,8	82,1	95,9	113	125	136	139	163	190
Total absorbed power	kW	14,3	16,5	18,4	22,3	24,6	29,0	33,0	36,4	39,8	40,9	48,6	56,8
EER	-	3,24	3,23	3,25	3,18	3,34	3,31	3,42	3,42	3,41	3,41	3,35	3,35
Circuits / Compressors	N°	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2/4	2/4	2/4
Electrical power supply													
Power	V/Ph/Hz	400 ± 10% / 3 - PE / 50											

NEG		064	072	078	088	096	112	128	144	162	176	192
Cooling (1)												
Cooling capacity	kW	246	273	297	329	357	-	-	-	596	646	691
Total absorbed power	kW	53,6	58,2	64,4	71,6	81,0	-	-	-	130	139	151
EER	-	4,59	4,69	4,60	4,60	4,40	-	-	-	4,58	4,65	4,59
User side												
Water flow	m³/h	42,3	46,8	51,0	56,5	61,3	-	-	-	102	111	119
Water pressure drop	kPa	40,8	50,0	59,2	52,2	60,4	-	-	-	53,1	61,5	69,6
Source												
Water flow	m³/h	51,4	56,8	62,0	68,8	75,1	-	-	-	125	135	145
Water pressure drop	kPa	73,0	59,0	70,1	68,1	80,2	-	-	-	69,7	54,3	61,8
Cooling (2)												
Rated output	kW	246	273	297	329	357	-	-	-	596	646	691
Seasonal cooling energy efficiency	%	234	239	231	238	227	-	-	-	253	256	253
SEER	-	5,92	6,06	5,84	6,03	5,75	-	-	-	6,40	6,47	6,39
High temperature process cooling (3)												
Rated output	kW	246	273	297	329	356	-	-	-	596	646	691
SEPR HT	-	7,86	7,99	7,69	7,98	7,69	-	-	-	8,29	8,67	8,54
Condenserless unit (4)												
Cooling capacity	kW	226	250	273	301	328	371	428	487	546	591	634
Total absorbed power	kW	64,8	71,3	77,9	88,9	100,1	112	124	150	162	174	186
EER	-	3,49	3,50	3,50	3,39	3,28	3,30	3,45	3,24	3,38	3,39	3,40
Circuits / Compressors	N°	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/6	2/6	2/6	2/6
Electrical power supply												
Power	V/Ph/Hz	400 ± 10% / 3 - PE / 50										

Data declared according to UNI EN 14511. All data refers to standard units without accessories/options witch require an electrical feeding source and in nominal working conditions.

(1) Evaporator water temperature IN/OUT 12/7 °C and condenser water temperature IN/OUT 30/35 °C;

(2) Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - COMMISSION REGULATION (EU) N° 2016/2281 of 20 December 2016;

(3) Ecodesign rating for comfort High temperature process refrigeration. SEPR HT as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Process Chillers with 2000 kW maximum capacity - COMMISSION REGULATION (EU) N° 2016/2281 of 20 December 2016;

(4) Evaporator water temperature IN/OUT 12/7 °C, condensing temperature 50 °C.

NEG - HEX version

NEG		013	015	019	023	025	029	033	037	041	042	048	056
Cooling (1)													
Cooling capacity	kW	52,7	60,4	69,8	83,7	94,2	111	130	143	156	158	185	217
Total absorbed power	kW	10,5	12,3	13,9	16,6	18,8	22,1	25,1	28,0	31,1	31,3	37,3	44,6
EER	-	5,04	4,92	5,03	5,05	5,00	5,04	5,17	5,11	5,01	5,05	4,96	4,87
User side													
Water flow	m³/h	9,06	10,4	12,0	14,4	16,2	19,1	22,3	24,6	26,8	27,2	31,8	37,3
Water pressure drop	kPa	19,9	26,1	14,9	21,3	14,8	20,6	19,3	23,3	27,6	16,9	23,2	31,9
Source													
Water flow	m³/h	10,9	12,5	14,4	17,3	19,5	23,0	26,8	29,5	32,2	32,6	38,3	45,1
Water pressure drop	kPa	13,2	17,3	22,9	17,9	22,6	21,5	20,1	24,4	29,0	29,6	27,0	37,2
Cooling (2)													
Rated output	kW	52,7	60,4	69,8	83,7	94,2	111	130	143	156	158	185	217
Seasonal cooling energy efficiency	%	264	258	265	267	258	259	270	267	258	256	247	243
SEER	-	6,67	6,53	6,69	6,74	6,52	6,56	6,83	6,75	6,52	6,47	6,25	6,15
High temperature process cooling (3)													
Rated output	kW	52,7	60,4	69,8	83,7	94,2	111	130	143	156	158	185	217
SEPR HT	-	9,70	9,45	9,46	9,20	9,03	9,29	9,41	9,13	8,79	9,23	8,70	8,61
Circuits / Compressors	N°	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2/4	2/4	2/4
Electrical power supply													
Power	V/Ph/Hz	400 ± 10% / 3 - PE / 50											

NEG		064	072	078	088	096	112	128	144	162	176	192
Cooling (1)												
Cooling capacity	kW	251	278	303	331	372	432	484	564	615	664	695
Total absorbed power	kW	50,8	55,1	60,7	69,5	76,2	86,8	96,3	115	126	137	149
EER	-	4,94	5,04	4,99	4,77	4,89	4,97	5,03	4,91	4,88	4,83	4,68
User side												
Water flow	m³/h	43,0	47,7	52,0	56,9	64,0	74,1	83,1	96,8	106	114	119
Water pressure drop	kPa	31,8	38,4	44,8	52,9	37,7	29,5	36,4	29,6	34,6	39,8	43,1
Source												
Water flow	m³/h	51,9	57,3	62,6	69,0	77,3	89,3	100	117	128	138	145
Water pressure drop	kPa	40,4	27,8	32,7	39,1	28,7	37,5	31,2	37,8	44,4	51,4	56,3
Cooling (2)												
Rated output	kW	251	278	303	331	372	431	484	564	615	664	695
Seasonal cooling energy efficiency	%	250	258	253	244	256	258	269	260	263	258	254
SEER	-	6,33	6,53	6,40	6,18	6,47	6,53	6,81	6,56	6,65	6,52	6,42
High temperature process cooling (3)												
Rated output	kW	251	278	303	331	372	431	484	564	615	664	695
SEPR HT	-	8,84	8,99	8,73	8,43	8,84	9,26	9,54	8,99	9,02	9,14	9,10
Circuits / Compressors	N°	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/6	2/6	2/6	2/6
Electrical power supply												
Power	V/Ph/Hz	400 ± 10% / 3 - PE / 50										

Data declared according to UNI EN 14511. All data refers to standard units without accessories/options witch require an electrical feeding source and in nominal working conditions.

(1) Evaporator water temperature IN/OUT 12/7 °C and condenser water temperature IN/OUT 30/35 °C;

(2) Ecodesign rating for comfort chiller - fan coil application. ns,c/SEER as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - COMMISSION REGULATION (EU) N° 2016/2281 of 20 December 2016;

(3) Ecodesign rating for comfort High temperature process refrigeration. SEPR HT as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Process Chillers with 2000 kW maximum capacity - COMMISSION REGULATION (EU) N° 2016/2281 of 20 December 2016.

NEG - HP version

NEG		013	015	019	023	025	029	033	037	041	042	048	056
Cooling (1)													
Cooling capacity	kW	52,7	60,4	69,8	83,7	94,2	111	130	143	156	158	185	217
Total absorbed power	kW	10,5	12,3	13,9	16,6	18,8	22,1	25,1	28,0	31,1	31,3	37,3	44,6
EER	-	5,04	4,92	5,03	5,05	5,00	5,04	5,17	5,11	5,01	5,05	4,96	4,87
User side													
Water flow	m³/h	9,06	10,4	12,0	14,4	16,2	19,1	22,3	24,6	26,8	27,2	31,8	37,3
Water pressure drop	kPa	19,9	26,1	14,9	21,3	14,8	20,6	19,3	23,3	27,6	16,9	23,2	31,9
Source													
Water flow	m³/h	10,9	12,5	14,4	17,3	19,5	23,0	26,8	29,5	32,2	32,6	38,3	45,1
Water pressure drop	kPa	13,2	17,3	22,9	17,9	22,6	21,5	20,1	24,4	29,0	29,6	27,0	37,2
Riscaldamento (2)													
Heating capacity	kW	58,9	67,9	77,3	93,2	104	123	143	158	173	175	207	243
Total absorbed power	kW	13,6	15,8	17,7	21,1	23,5	27,7	31,5	35,0	38,7	39,4	46,7	55,6
COP	-	4,33	4,29	4,38	4,42	4,44	4,46	4,54	4,53	4,48	4,44	4,42	4,37
User side													
Water flow	m³/h	10,2	11,8	13,4	16,2	18,1	21,4	24,8	27,5	30,1	30,4	35,9	42,2
Water pressure drop	kPa	11,5	15,2	19,6	15,5	19,4	18,6	17,1	21,0	25,1	25,5	23,5	32,5
Source													
Water flow	m³/h	13,0	15,0	17,2	20,8	23,3	27,6	32,1	35,5	38,8	39,1	46,1	54,2
Water pressure drop	kPa	40,8	54,1	30,3	44,2	30,3	42,4	39,4	48,2	57,4	34,9	48,5	67,0
Cooling (3)													
Rated output	kW	52,7	60,4	69,8	83,7	94,2	111	130	143	156	158	185	217
Seasonal cooling energy efficiency	%	264	258	265	267	258	259	270	267	258	256	247	243
SEER	-	6,67	6,53	6,69	6,74	6,52	6,56	6,83	6,75	6,52	6,47	6,25	6,15
Heating (4)													
Rated output	kW	66,3	79,8	87,2	105	118	143	162	179	196	199	239	288
Seasonal space heating energy efficiency	%	248	241	253	248	250	250	254	253	247	248	241	235
SCOP	-	6,4	6,2	6,5	6,4	6,5	6,4	6,5	6,5	6,4	6,4	6,2	6,1
Circuits / Compressors	N°	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	2/4	2/4	2/4
Electrical power supply													
Power	V/Ph/Hz	400 ± 10% / 3 - PE / 50											

NEG		064	072	078	088	096	112	128	144	162	176	192
Cooling (1)												
Cooling capacity	kW	251	278	303	331	372	432	484	564	615	664	695
Total absorbed power	kW	50,8	55,1	60,7	69,5	76,2	86,8	96,3	115	126	137	149
EER	-	4,94	5,04	4,99	4,77	4,89	4,97	5,03	4,91	4,88	4,83	4,68
User side												
Water flow	m³/h	43,0	47,7	52,0	56,9	64,0	74,1	83,1	96,8	106	114	119
Water pressure drop	kPa	31,8	38,4	44,8	52,9	37,7	29,5	36,4	29,6	34,6	39,8	43,1
Source												
Water flow	m³/h	51,9	57,3	62,6	69,0	77,3	89,3	100,0	117	128	138	145
Water pressure drop	kPa	40,4	27,8	32,7	39,1	28,7	37,5	31,2	37,8	44,4	51,4	56,3
Riscaldamento (2)												
Heating capacity	kW	281	311	340	377	422	485	543	636	694	751	792
Total absorbed power	kW	63,3	69,2	76,2	87,7	96,5	109	121	145	158	172	185
COP	-	4,44	4,50	4,47	4,30	4,37	4,46	4,51	4,40	4,39	4,38	4,29
User side												
Water flow	m³/h	48,7	54,0	59,0	65,5	73,2	84,2	94,4	110	121	130	138
Water pressure drop	kPa	34,8	24,1	28,4	34,4	25,1	32,5	27,1	32,9	38,8	44,9	49,5
Source												
Water flow	m³/h	62,8	69,9	76,4	84,0	94,0	109	122	142	155	168	176
Water pressure drop	kPa	63,6	77,3	90,9	108	76,4	59,4	73,7	59,5	70,0	81,0	88,1
Cooling (3)												
Rated output	kW	251	278	303	331	372	431	484	564	615	664	695
Seasonal cooling energy efficiency	%	250	258	253	244	256	258	269	260	263	258	254
SEER	-	6,33	6,53	6,40	6,18	6,47	6,53	6,81	6,56	6,65	6,52	6,42
Heating (4)												
Rated output	kW	335	355	-	-	-	-	-	-	-	-	-
Seasonal space heating energy efficiency	%	239	242	-	-	-	-	-	-	-	-	-
SCOP	-	6,2	6,3	-	-	-	-	-	-	-	-	-
Circuits / Compressors	N°	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/6	2/6	2/6	2/6
Electrical power supply												
Power	V/Ph/Hz	400 ± 10% / 3 - PE / 50										

Data declared according to UNI EN 14511. All data refers to standard units without accessories/options witch require an electrical feeding source and in nominal working conditions.

(1) Evaporator water temperature IN/OUT 12/7 °C and condenser water temperature IN/OUT 30/35 °C;

(2) Evaporator water temperature IN/OUT 10/7 °C, condenser water temperature IN/OUT 40/45 °C;

(3) Ecodesign rating for comfort chiller - fan coil application. ns,c/SEER as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Comfort Chillers with 2000 kW maximum capacity - COMMISSION REGULATION (EU) N° 2016/2281 of 20 December 2016;

(4) Ecodesign rating at low temperature conditions. Source water temperature in/out 10/7°C and inlet hot water temperature in/out 30/35°C. ns,h / SCOP as defined in Directive 2009/125/EC of the European Parliament and of the Council with regard to Ecodesign requirements for Space heaters and combination heaters with Prated < 400kW - COMMISSION REGULATION (EU) N° 813/2013 of 2 August 2013.

SOUND LEVELS (HE - HEX - HP)

NEG			013	015	019	023	025	029	033	037	041	042	048	056	064	072	078	088	096	112	128	144	162	176	192
Sound power		dB(A)	78	79	80	81	82	84	86	86	86	83	85	87	89	89	89	92	94	95	96	96	97	97	98
Sound pressure		dB(A)	47	48	49	50	46	48	50	50	50	51	60	63	57	62	57	60	62	63	64	64	65	65	66
Sound power	L	dB(A)	75	76	77	78	79	81	83	83	83	80	82	84	86	86	86	89	91	92	93	93	94	94	95
Sound pressure	L	dB(A)	44	45	46	47	43	45	47	47	47	48	50	52	54	54	54	57	59	60	61	61	62	62	63
Sound power	S	dB(A)	73	74	75	76	77	79	81	81	81	75	77	79	81	81	81	84	86	87	88	88	89	89	90
Sound pressure	S	dB(A)	42	43	44	45	41	43	45	45	45	43	52	55	49	54	49	52	54	55	56	56	57	57	58

Sound pressure level (calculated according to ISO 3744 at 5 mt distance from the unit)
Sound power level measurements made in compliance with ISO 9614 for Eurovent certified units, in compliance with ISO 3744 for non-certified units.

DIMENSIONS (HE - HEX - HP)

NEG		013	015	019	023	025	029	033	037	041	042	048	056	064	072	078	088	096	112	128	144	162	176	192
Depth	mm	1555	1555	1555	1555	1555	1755	1755	1755	1755	2511	2511	2511	2511	2511	2511	2511	2511	2511	2511	3914	3914	3914	3914
Width	mm	676	676	676	676	676	810	810	810	810	882	882	882	882	882	882	882	882	882	882	883	883	883	883
Height	mm	1417	1417	1417	1417	1417	1417	1417	1417	1417	1652	1652	1652	1652	1652	1652	1844	1844	1844	1844	1953	1953	1953	1953

WEIGHTS

NEG	HE		013	015	019	023	025	029	033	037	041	042	048	056	064	072	078	088	096	112	128	144	162	176	192
Shipping weight		kg	409	412	416	431	442	582	629	633	635	847	919	1002	1099	1112	1115	1327	1460	1521	1612	2164	2208	2263	2373
	L	kg	425	428	432	447	458	602	649	653	655	887	959	1042	1139	1152	1155	1367	1500	1561	1652	2224	2268	2323	2433
	S	kg	437	440	444	459	470	617	665	668	670	1097	1169	1252	1349	1362	1365	1577	1710	1771	1862	2568	2612	2667	2777
	ME	kg	394	396	400	415	420	559	598	601	603	809	873	951	1044	1051	1054	1225	1358	1395	1473	1978	2022	2049	2140
	ME L	kg	410	412	416	431	432	574	609	612	614	849	913	986	1084	1085	1089	1265	1398	1422	1513	2038	2082	2093	2200
	ME S	kg	422	424	428	443	444	590	624	627	629	1059	1123	1196	1294	1295	1299	1475	1608	1632	1723	2382	2426	2437	2544

NEG	HEX		013	015	019	023	025	029	033	037	041	042	048	056	064	072	078	088	096	112	128	144	162	176	192
Shipping weight		kg	422	424	429	439	453	634	677	685	687	879	954	1057	1217	1249	1252	1359	1582	1691	1758	2310	2354	2377	2411
	L	kg	438	440	445	455	469	654	697	705	707	919	994	1097	1257	1289	1292	1399	1622	1731	1798	2370	2414	2437	2471
	S	kg	450	452	457	467	481	670	712	721	723	1129	1204	1307	1467	1499	1502	1609	1832	1941	2008	2714	2758	2781	2815

NEG	HP		013	015	019	023	025	029	033	037	041	042	048	056	064	072	078	088	096	112	128	144	162	176	192
Shipping weight		kg	422	424	429	439	453	634	677	685	687	879	954	1057	1217	1249	1252	1359	1582	1691	1758	2310	2354	2377	2411
	L	kg	438	440	445	455	469	654	697	705	707	919	994	1097	1257	1289	1292	1399	1622	1731	1798	2370	2414	2437	2471
	S	kg	450	452	457	467	481	670	712	721	723	1129	1204	1307	1467	1499	1502	1609	1832	1941	2008	2714	2758	2781	2815

Please refer to dimensional drawings for extra dimensions and extra weights for hydraulic versions. Dimensional data and weight may change. For further information please contact our sales office.

ISO 9001
BUREAU VERITAS
Certification
Nº 220817

MTA is ISO9001 certified, a sign of its commitment to complete customer satisfaction.

MTA products comply with European safety directives, as recognised by the CE symbol.

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

MTA participates in the E.C.C. programme for LCP-HP. Certified products are listed on: www.eurovent-certification.com
Certification applied to the units:
- Air/Water up to 600 kW
- Water/Water up to 1500 kW

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MTA®

Cooling, conditioning, purifying.