

ORANGE ORANGE HT

HIGH EFFICIENCY AIR-WATER HEAT PUMPS
WITH AXIAL FANS WITH A SINGLE SCROLL COMPRESSOR



Dedicated heat pumps new series with Scroll compressors, with and without liquid injection.

Versione /HT version in 10 sizes

Cooling capacity (A35;W7) 6 ÷ 49 kW // Heating capacity (A7;W45): 6 ÷ 37 kW

Versione Standard version in 12 sizes

Cooling capacity (A35;W7) 6 ÷ 45 kW // Heating capacity (A7;W45) 7 ÷ 40 kW

Orange is a complete dedicated HP series machines which covers the range from 6 to 40 kW using the refrigerant gas (R410A) single compressor.

RESIDENTIAL
APPLICATIONS

29



A CLASS



R410A



MULTIFUNCTIONAL



SUPER SILENT

// MAIN POINTS

- > Wide operating limits and power range
- > Automatic management for domestic hot water
- > DWS version available for all sizes
- > Smarter defrosting management
- > A class pumps available for single compressor models
- > Modularity and full accessibility

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

/// TECHNICAL DATA ORANGE

UNIT SIZE			8	10	12	16	18	20	23	25	29	34	38	42
HEATING														
Heating (Gross values)														
Nominal heating capacity (A7;W35)	(1)	kW	6,8	9,0	11,3	15,0	16,6	19,4	22,3	23,9	27,7	32,4	36,9	40,8
Heating power input	(1) (2)	kW	1,69	2,14	2,53	3,46	3,91	4,29	5,02	5,49	6,6	7,49	8,19	9,38
COP	(1)		4,01	4,20	4,45	4,32	4,24	4,51	4,45	4,36	4,20	4,33	4,51	4,35
Efficiency class			B	A	A	A	A	A	A	A	A	A	A	A
Heating (EN 14511 values)														
Nominal heating capacity (A7;W35)	(1)	kW	6,8	9,0	11,3	15,1	16,7	19,5	22,5	24,1	27,9	32,6	37,1	41,0
COP	(1)		3,98	4,17	4,41	4,19	4,15	4,40	4,34	4,27	4,11	4,24	4,41	4,27
Efficiency class			B	A	A	A	A	A	A	A	A	A	A	A
Heating (Gross values)														
Nominal heating capacity (A7;W45)	(3)	kW	6,7	8,7	11,8	14,5	15,8	18,5	21,3	22,8	26,5	30,8	35,1	38,5
Heating absorbed power	(3) (2)	kW	2,12	2,74	3,14	4,35	4,76	5,29	6,19	6,78	7,98	9,2	10,04	11,43
COP	(3)		3,15	3,17	3,75	3,32	3,32	3,49	3,45	3,37	3,32	3,35	3,49	3,37
Efficiency class			B	B	A	A	A	A	A	A	A	A	A	A
Heating (EN 14511 values)														
Nominal heating capacity (A7;W45)	(3)	kW	6,7	8,7	11,8	14,6	15,9	18,6	21,5	23,0	26,7	31,0	35,3	38,7
COP	(3)		3,14	3,15	3,72	3,25	3,26	3,42	3,39	3,32	3,27	3,30	3,44	3,32
Efficiency class			B	B	A	A	A	A	A	A	A	A	A	A
COOLING														
Cooling (Gross values)														
Nominal cooling capacity (A35;W18)	(4)	kW	8,1	9,8	13,1	17,5	19,2	22,2	25,6	27,5	32,2	38,7	42,8	51,0
Cooling power input	(4) (2)	kW	2,21	2,64	3,1	4,32	4,55	5,35	6,43	6,86	8,25	9,3	10,85	11,47
EER	(4)		3,67	3,72	4,24	4,06	4,22	4,16	3,98	4,00	3,90	4,16	3,95	4,45
Efficiency class			B	B	A	A	A	A	A	A	A	A	A	A
Cooling (EN 14511 values)														
Nominal cooling capacity (A35;W18)	(4)	kW	8,1	9,8	13,1	17,4	19,1	22,1	25,4	27,3	32,0	38,5	42,6	50,8
EER	(4)		3,64	3,68	4,18	3,90	4,09	4,02	3,85	3,89	3,80	4,05	3,85	4,34
Efficiency class			C	B	A	A	A	A	A	A	A	A	A	A
Cooling (Gross values)														
Nominal cooling capacity (A35;W7)	(5)	kW	6,1	7,5	9,8	13,3	14,3	16,7	19,2	20,7	24,5	29,4	32,3	38,5
Cooling power input	(5) (2)	kW	2,13	2,5	2,86	4,04	4,4	4,93	5,89	6,38	7,62	8,67	10,12	11,01
EER	(5)		2,87	3,01	3,44	3,30	3,25	3,40	3,25	3,24	3,21	3,39	3,19	3,50
ESEER			3,39	3,58	3,86	3,5	3,53	3,73	3,53	3,61	3,41	3,75	3,74	4,03
Efficiency class			C	B	A	A	A	A	A	A	A	A	A	A
Cooling (EN 14511 values)														
Nominal cooling capacity (A35;W7)	(5)	kW	6,1	7,5	9,8	13,2	14,2	16,6	19,0	20,5	24,3	29,2	32,1	38,3
EER	(5)		2,84	2,98	3,39	3,16	3,14	3,27	3,14	3,14	3,11	3,29	3,10	3,41
Efficiency class			C	B	A	A	A	A	A	A	A	A	A	A

RESIDENTIAL APPLICATIONS

ORANGE
ORANGE
HT

30

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

- (1) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 30-35°C
- (2) The total power is given by the sum of the power absorbed by the compressors and by the fans
- (3) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 40-45°C
- (4) External air temperature 35°C; input water-evaporator output temperature 12-7°C
- (5) External air temperature 35°C; input water-evaporator output temperature 23-18°C
- (6) Sound power levels calculated compliant to ISO 3744
- (7) Sound pressure levels refer to 10 meters from unit in free field compliant to ISO 3744

This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

UNIT SIZE			8	10	12	16	18	20	23	25	29	34	38	42
Compressor														
Type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity		n°	1	1	1	1	1	1	1	1	1	1	1	1
Refrigerant circuits		n°	1	1	1	1	1	1	1	1	1	1	1	1
Capacity steps		%	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100
Total oil charge		kg	1,1	1,25	1,25	1,24	1,66	1,89	1,77	2,51	3,25	3,25	3,25	3,25
Total refrigerant charge		kg	2,6	3,5	4,2	5,65	6,2	7	8,4	9,1	10,7	12,4	13,5	14,2
Fans														
Type			axial	axial	axial	axial	axial	axial	axial	axial	axial	axial	axial	axial
Quantity		n°	1	1	1	2	2	2	2	2	2	2	2	2
Air flow		m ³ /h	3800	3800	3500	7700	7700	7300	13900	13900	17000	17000	16000	16000
User side exchanger														
Type			Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate
Water content		l	0,4	0,6	0,6	0,6	0,7	0,8	1,0	1,1	2,2	2,4	3,0	3,4
Water flow rate (A7;W35)	(1)	l/h	1169	1548	1943	2597	2872	3353	3869	4144	4798	5606	6385	7051
Pressure drop Water (A7;W35)	(1)	kPa	4	4	6	42	28	33	34	30	33	33	34	30
Hydraulic module														
Pump model			P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	P3	P4
Useful pump head (A7;W35)		kPa	71	68	65	91	89	85	168	159	145	123	101	194
Buffer Tank capacity		l	70	70	70	70	70	70	130	130	130	130	130	130
Expansion vessel		l	2	2	2	2	2	2	5	5	5	5	5	5
Pump Quantity		n°	1	1	1	1	1	1	1	1	1	1	1	1
Sound level														
Sound power value	(4),(6)	dB(A)	63	65	66	68	70	70	72	73	74	75	75	75
Sound pressure value	(4),(7)	dB(A)	35	37	38	40	42	42	44	45	46	47	47	47
Basic version dimensions and weight														
Width		mm	926	926	926	926	926	926	1105	1105	1305	1305	1305	1305
Depth		mm	600	600	600	600	600	600	721	721	737	737	737	737
Height		mm	700	700	700	1350	1350	1350	1385	1385	1585	1585	1585	1585
Operating weight		kg	89	95	103	135	151	166	213	235	357	366	386	396
SLN version dimensions and weight														
Width		mm	926	926	926	1105	1105	1305	1305	1305	1305	-	-	-
Depth		mm	600	600	600	721	721	737	737	737	737	-	-	-
Height		mm	1350	1350	1350	1385	1385	1585	1585	1585	1585	-	-	-
Operating weight		kg	132	148	163	208	228	351	360	379	390	-	-	-

RESIDENTIAL APPLICATIONS

ORANGE
ORANGE HT

(1) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 30-35°C
 (2) The total power is given by the sum of the power absorbed by the compressors and by the fans
 (3) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 40-45°C
 (4) External air temperature 35°C; input water-evaporator output temperature 12-7°C
 (5) External air temperature 35°C; input water-evaporator output temperature 23-18°C
 (6) Lw: sound power values in free field calculated in compliance with ISO 3744. Chiller working conditions (A35;W7)
 (7) Lp: sound pressure levels detected at 10 m from the fan side unit, not channelled in free field, in compliance with ISO 3744. Chiller working conditions (A35;W7)

This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

TECHNICAL DATA ORANGE HT

UNIT SIZE			7	9	11	13	17	22	26	32	36	41
HEATING												
Heating (Gross values)												
Nominal heating capacity (A7;W35)	(1)	kW	6,8	8,6	10,8	12,9	15,8	20,3	24,5	29,7	33,4	36,9
Heating power input	(1) (2)	kW	1,62	1,95	2,5	3,03	3,72	4,89	5,82	7,06	8,09	8,93
COP	(1)		4,19	4,40	4,31	4,26	4,24	4,16	4,21	4,21	4,13	4,13
Efficiency class			A	A	A	A	A	A	A	A	A	A
Heating (EN 14511 values)												
Nominal heating capacity (A7;W35)	(1)	kW	6,8	8,6	10,8	13,0	15,9	20,5	24,7	29,9	33,6	37,1
COP	(1)		4,16	4,37	4,27	4,15	4,15	4,06	4,12	4,13	4,05	4,07
Efficiency class			A	A	A	A	A	A	A	A	A	A
Heating (Gross values)												
Nominal heating capacity (A7;W45)	(3)	kW	6,6	8,2	10,4	13,1	16,2	21,0	25,0	30,3	32,8	37,6
Heating absorbed power	(3) (2)	kW	1,94	2,39	3,1	3,75	4,64	6,14	7,31	8,78	10,08	11,01
COP	(3)		3,39	3,42	3,35	3,49	3,49	3,43	3,42	3,45	3,25	3,42
Efficiency class			A	A	A	A	A	A	A	A	A	A
Heating (EN 14511 values)												
Nominal heating capacity (A7;W45)	(3)	kW	6,6	8,2	10,4	13,2	16,3	21,2	25,2	30,5	33,0	37,8
COP	(3)		3,37	3,40	3,32	3,42	3,43	3,37	3,37	3,40	3,21	3,38
Efficiency class			A	A	A	A	A	A	A	A	A	A
COOLING												
Cooling (Gross values)												
Nominal cooling capacity (A35;W18)	(4)	kW	8,3	10,5	13,6	15,5	18,6	25,5	29,5	38,2	43,8	48,3
Cooling power input	(4) (2)	kW	1,95	2,56	3,43	3,77	4,62	6,28	7,39	9,73	10,36	12,25
EER	(4)		4,26	4,11	3,97	4,11	4,03	4,05	3,99	3,92	4,23	3,94
Efficiency class			A	A	A	A	A	A	A	A	A	A
Cooling (EN 14511 values)												
Nominal cooling capacity (A35;W18)	(4)	kW	8,3	10,5	13,6	15,4	18,5	25,3	29,3	38,0	43,6	48,1
EER	(4)		4,22	4,07	3,93	3,98	3,91	3,93	3,87	3,83	4,13	3,87
Efficiency class			A	A	A	A	A	A	A	A	A	A
Cooling (Gross values)												
Nominal cooling capacity (A35;W7)	(5)	kW	6,2	7,8	10,2	12,2	14,6	19,9	23,0	30,0	34,2	37,7
Cooling power input	(5) (2)	kW	1,87	2,43	3,19	3,68	4,47	6,09	6,95	9,17	10,08	11,54
EER	(5)		3,32	3,22	3,21	3,32	3,27	3,26	3,31	3,27	3,39	3,27
ESEER			3,69	3,72	3,67	4	4,89	3,8	3,82	3,67	3,73	3,72
Efficiency class			A	A	A	A	A	A	A	A	A	A
Cooling (EN 14511 values)												
Nominal cooling capacity (A35;W7)	(5)	kW	6,2	7,8	10,2	12,1	14,5	19,7	22,8	29,8	34,0	37,5
EER	(5)		3,29	3,18	3,17	3,20	3,16	3,15	3,20	3,19	3,31	3,20
Efficiency class			A	A	A	A	A	A	A	A	A	A

RESIDENTIAL APPLICATIONS

ORANGE
ORANGE
HT

32

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

- (1) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 30-35°C
- (2) The total power is given by the sum of the power absorbed by the compressors and by the fans
- (3) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 40-45°C
- (4) External air temperature 35°C; input water-evaporator output temperature 12-7°C
- (5) External air temperature 35°C; input water-evaporator output temperature 23-18°C
- (6) Sound power levels calculated compliant to ISO 3744
- (7) Sound pressure levels refer to 10 meters from unit in free field compliant to ISO 3744

This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

// TECHNICAL DATA ORANGE HT

UNIT SIZE			7	9	11	13	17	22	26	32	36	41
Compressor												
Type			Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
Quantity		n°	1	1	1	1	1	1	1	1	1	1
Refrigerant circuits		n°	1	1	1	1	1	1	1	1	1	1
Capacity steps		%	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100	0-100
Total oil charge		Kg	0,7	1,2	1,2	1,2	1,2	1,9	3,4	3,4	3,4	3,4
Total refrigerant charge		Kg	2,6	3,5	4,2	6,2	7	8,4	9,1	10,7	12,4	13,5
Fans												
Type			Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial	Axial
Quantity		n°	1	1	1	1	1	2	2	2	2	2
Air flow		m ³ /h	3600	3600	3400	7500	7500	12000	12000	15000	15000	15000
User side exchanger												
Type			Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate	Plate
Water content		l	1	1	1	1	1	1	1	1	1	1
Water flow rate (A7;W35)	(1)	l/h	1169	1479	1857	2236	2734	3525	4248	5142	5778	6380
Pressure drop Water (A7;W35)	(1)	kPa	4	4	6	31	28	35	36	30	31	26
Hydraulic module												
Pump model			P1	P1	P1	P2	P2	P3	P3	P3	P4	P4
Useful pump head (A7;W35)		kPa	67	65	59	63	61	136	119	105	178	175
Buffer Tank capacity		l	130	130	130	130	130	130	130	130	130	130
Expansion vessel		l	2	2	2	2	2	5	5	5	5	5
Pump Quantity		n°	1	1	1	1	1	1	1	1	1	1
Sound level												
Sound power value	(4),(6)	dB(A)	63	63	64	66	67	70	70	75	75	75
Sound pressure value	(4),(7)	dB(A)	35	35	36	38	39	42	42	47	47	47
Basic version dimensions and weight												
Width		mm	1105	1105	1105	1105	1105	1105	1105	1305	1305	1305
Depth		mm	737	737	737	737	737	721	721	737	737	737
Height		mm	982	982	982	982	982	1385	1385	1585	1585	1585
Operating weight		kg	108	112	118	124	133	231	250	384	403	414
SLN version dimensions and weight												
Width		mm	1105	1105	1105	1105	1305	1305	1305	-	-	-
Depth		mm	737	737	721	721	737	737	737	-	-	-
Height		mm	982	982	1385	1385	1585	1585	1585	-	-	-
Operating weight		kg	122	130	227	246	377	397	408	-	-	-

RESIDENTIAL APPLICATIONS

ORANGE
ORANGE
HT

33

- (1) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 30-35°C
 (2) The total power is given by the sum of the power absorbed by the compressors and by the fans
 (3) External air temperature 7°C DB, 6°C WB; condenser input-output temperature 40-45°C
 (4) External air temperature 35°C; input water-evaporator output temperature 12-7°C
 (5) External air temperature 35°C; input water-evaporator output temperature 23-18°C
 (6) Lw: sound power values in free field calculated in compliance with ISO 3744. Chiller working conditions (A35;W7)
 (7) Lp: sound pressure levels detected at 10 m from the fan side unit, not channelled in free field, in compliance with ISO 3744. Chiller working conditions (A35;W7)

This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

// ELECTRICAL DATA ORANGE

UNIT SIZE			8	10	12	16	18	20
Maximum absorbed power	(1) (3)	kW	3,1 3,3	3,9 4,1	4,5 4,7	6,3 6,7	6,4 6,8	7,6 8,0
Maximum absorbed current	(2) (3)	A	16,7 (17,7)	19,7 (20,7)	8,7 (9,7)	11,5 (13,5)	13,3 (15,3)	16,5 (18,5)
Maximum current at peak	(4)	A	61,7 (62,7)	82,7 (83,7)	48,7 (49,7)	53,0 (55)	65,5 (67,5)	75,5 (77,5)
Maximum current at peak with soft-starter	(4)	A	37,0 (37,6)	49,6 (50,2)	29,2 (29,8)	32 (33,2)	39,3 (40,5)	45,3 (46,5)
Fan nominal power		n ^o xkW	1x0,2	1x0,2	1x0,2	2x0,2	2x0,2	2x0,2
Fan nominal current		n ^o xA	1x0,7	1x0,7	1x0,7	2x0,7	2x0,7	2x0,7
Pump motor nominal power		kW	0,075	0,075	0,075	0,18	0,18	0,18
Pump motor nominal current		A	0,6	0,6	0,6	1,4	1,4	1,4
Electric power supply		V/ph/Hz	230/1~/50	230/1~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50
Optional power supply		V/ph/Hz	400/3N~/50	400/3N~/50	230/1~/50	230/1~/50	-	-

UNIT SIZE			23	25	29	34	38	42
Maximum absorbed power	(1) (3)	kW	8,9 9,5	9,6 10,2	11,2 11,8	12,9 13,5	14,2 14,8	15,9 16,8
Maximum absorbed current	(2) (3)	A	18,4 (21,2)	19,4 (22,2)	26,0 (28,8)	27,0 (29,8)	30,0 (32,8)	36,0 (38,6)
Maximum current at peak	(4)	A	104,4 (107,2)	104,4 (107,2)	116,0 (118,8)	123,0 (125,8)	123,0 (125,8)	145,0 (147,6)
Maximum current at peak with soft-starter	(4)	A	62,6 (64,3)	62,6 (64,3)	69,6 (71,3)	73,8 (75,5)	73,8 (75,5)	87,0 (88,6)
Fan nominal power		n ^o xkW	2x0,3	2x0,3	2x0,6	2x0,6	2x0,6	2x0,6
Fan nominal current		n ^o xA	2x1,7	2x1,7	2x2,5	2x2,5	2x2,5	2x2,5
Pump motor nominal power		kW	0,78	0,78	0,78	0,78	0,78	0,90
Pump motor nominal current		A	3,38	3,38	3,38	3,38	3,38	2,61
Electric power supply		V/ph/Hz	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50
Optional power supply		V/ph/Hz	-	-	-	-	-	-

RESIDENTIAL
APPLICATIONS

ORANGE
ORANGE
HT

34

// ELECTRICAL DATA ORANGE HT

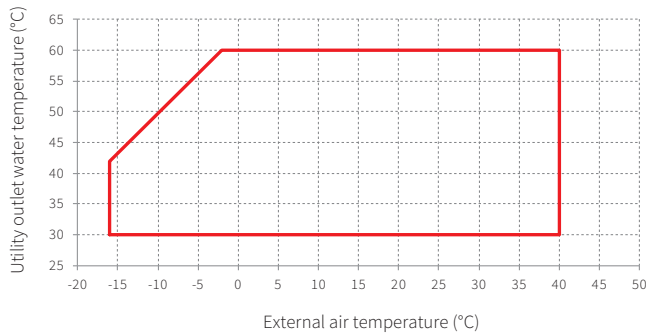
UNIT SIZE			7	9	11	13	17	22	26	32	36	41
Maximum absorbed power	(1) (3)	kW	2,9 3,1	3,6 3,8	4,6 4,8	5,8 6,3	7,1 7,6	9,7 10,3	13,4 14,0	13,9 14,5	15,7 16,6	17,4 18,3
Maximum absorbed current	(2) (3)	A	13,5 (14,5)	18,0 (19,0)	7,9 (8,9)	11,7 (13,7)	13,4 (15,4)	19,4 (22,2)	22,0 (25,0)	26 (28,8)	31 (33,6)	40,4 (43)
Maximum current at peak	(4)	A	60,7 (61,7)	84,0 (85,0)	52,2 (53,2)	54,0 (56,0)	72,5 (74,5)	104,4 (107,2)	131,6 (134,4)	123,0 (125,8)	145,0 (147,6)	179,0 (181,6)
Maximum current at peak with soft-starter	(4)	A	36,4 (37,0)	50,3 (50,9)	31,3 (31,9)	32,4 (33,6)	43,5 (44,7)	62,6 (64,3)	79,0 (80,6)	73,8 (75,5)	87,0 (88,6)	107,4 (109,0)
Fan nominal power		n ^o xkW	1x0,2	1x0,2	1x0,2	1x0,6	1x0,6	2x0,3	2x0,3	2x0,6	2x0,6	2x0,6
Fan nominal current		n ^o xA	1x0,7	1x0,7	1x0,7	1x2,5	1x2,5	2x1,7	2x1,7	2x2,5	2x2,5	2x2,5
Pump motor nominal power		kW	0,075	0,075	0,075	0,18	0,18	0,78	0,78	0,78	0,90	0,90
Pump motor nominal current		A	0,6	0,6	0,6	1,4	1,4	3,38	3,38	3,38	2,61	2,61
Electric power supply		V/ph/Hz	230/1~/50	230/1~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50	400/3N~/50
Optional power supply		V/ph/Hz	-	-	230/1~/50	-	-	-	-	-	-	-

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

- 1) Electric power that must be available from the electric network for the unit to work.
- 2) Current at which the units' internal protections intervene. It is the maximum current absorbed by the unit. This value must never be exceeded and must be taken into account when sizing the line and the relative protection devices (see the wiring diagram supplied with the units).
- 3) The values between brackets refer to the ST version units with the maximum number of pumps available (with or without storage tank).
- 4) Maximum peak current calculated considering the compressor start-up with higher power and maximum current absorbed by all other devices. This board reports the feature data of the base and standard versions; for details, refer to the specific documentation.

// OPERATING LIMITS ORANGE

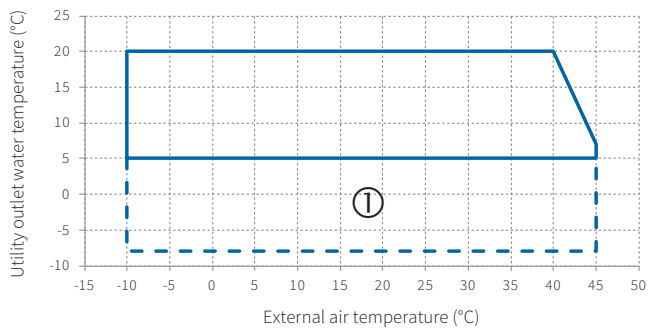
HEATING



INFORMATION

- > Delta temperature Inlet and Outlet is between 3 and 5 °C
- > When the unit works out of the operating limits pay attention to the allarms caused from incorrect working conditions
- > Inlet water temperature cannot be lower than 25°C

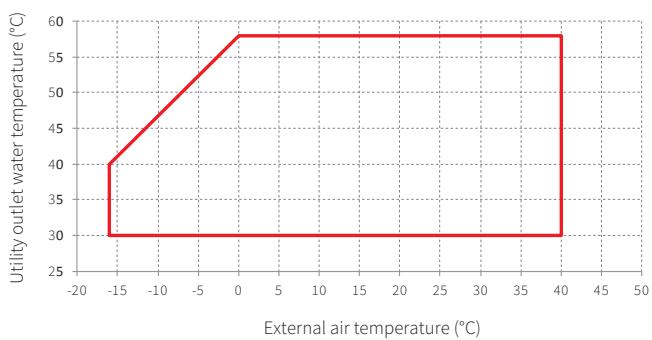
COOLING



INFORMATION

- > Delta temperature Inlet and Outlet is between 3 and 5 °C
- > When the unit works out of the operating limits pay attention to the allarms caused from incorrect working conditions
- > In the zone ① Water with Glycol is mandatory
- > Maximum Inlet water temperature is 25°C

RECOVERY



INFORMATION

- > Delta temperature Inlet and Outlet is between 3 and 5 °C
- > When the unit works out of the operating limits pay attention to the allarms caused from incorrect working conditions
- > Inlet water temperature cannot be lower than 25°C

RESIDENTIAL APPLICATIONS

ORANGE
ORANGE HT

35

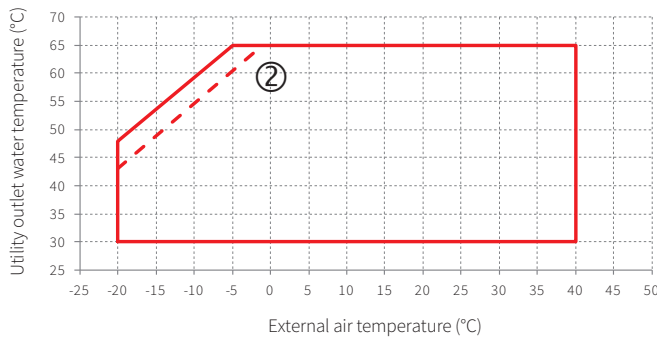
Note:

In winter operation, if the unit is constantly working near the limits of operation can reduce the life expectancy of the unit

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.

// OPERATING LIMITS ORANGE HT

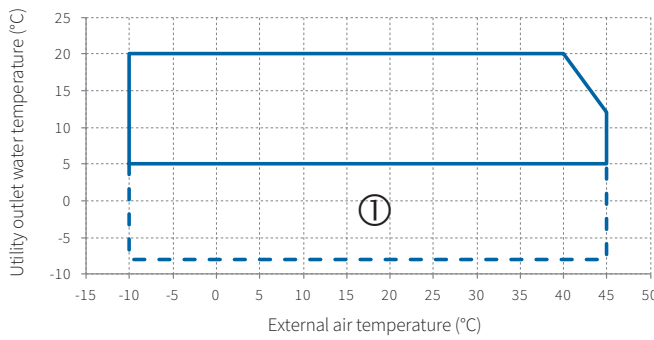
HEATING



INFORMATION

- > Delta temperature Inlet and Outlet is between 3 and 5 °C
- > When the unit works out of the operating limits pay attention to the allarms caused from incorrect working conditions
- > Inlet water temperature cannot be lower than 25°C
- > ② Limit for models 7, 9 and 11

COOLING



INFORMATION

- > Delta temperature Inlet and Outlet is between 3 and 5 °C
- > When the unit works out of the operating limits pay attention to the allarms caused from incorrect working conditions
- > In the zone ① Water with Glycol is mandatory
- > Maximum Inlet water temperature is 25°C

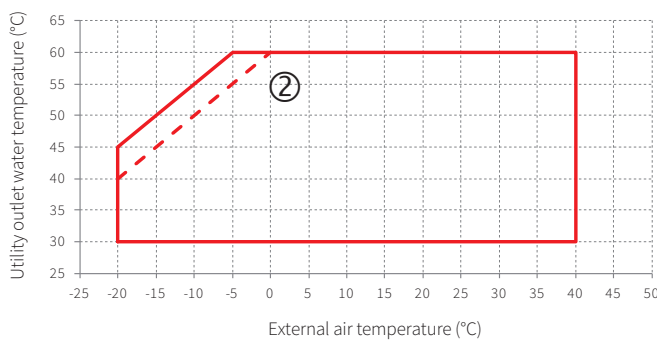
RESIDENTIAL APPLICATIONS

ORANGE
ORANGE HT

36

RECOVERY

RECUPERO



INFORMATION

- > Delta temperature Inlet and Outlet is between 3 and 5 °C
- > When the unit works out of the operating limits pay attention to the allarms caused from incorrect working conditions
- > Inlet water temperature cannot be lower than 25°C
- > ② Limit for models 7, 9 and 11

Note:

In winter operation, if the unit is constantly working near the limits of operation can reduce the life expectancy of the unit

// NOISE LEVELS ORANGE

UNIT SIZE	Standard Version		/LN Version		/SLN Version	
	Total [dB(A)]		Total [dB(A)]		Total [dB(A)]	
	Lw	Lp	Lw	Lp	Lw	Lp
8	63	35	61	33	58	30
10	65	37	63	35	60	32
12	66	38	64	36	61	33
16	68	40	66	38	63	35
18	70	42	68	40	65	37
20	70	42	68	40	65	37
23	72	44	70	42	67	39
25	73	45	71	43	68	40
29	74	46	72	44	69	41
34	75	47	73	45	-	-
38	75	47	73	45	-	-
42	75	47	73	45	-	-

// NOISE LEVELS ORANGE HT

UNIT SIZE	Standard Version		/LN Version		/SLN Version	
	Total [dB(A)]		Total [dB(A)]		Total [dB(A)]	
	Lw	Lp	Lw	Lp	Lw	Lp
7	63	35	61	33	58	30
9	63	35	61	33	58	30
11	64	36	62	34	59	31
13	66	38	64	36	61	33
17	67	39	65	37	62	34
22	70	42	68	40	65	37
26	70	42	68	40	65	37
32	75	47	73	45	-	-
36	75	47	73	45	-	-
41	75	47	73	45	-	-

Lw: sound power values in free field calculated in compliance with ISO 3744. Chiller working conditions (A35;W7)

Lp: sound pressure levels detected at 10 m from the fan side unit, not channelled in free field, in compliance with ISO 3744. Chiller working conditions (A35;W7)

RESIDENTIAL
APPLICATIONS

ORANGE
ORANGE
HT

37

The technical documentation can be improved all the times. Enerblue can update, time by time, all technical data in order to improve all necessary information for the customer.



ENERBLUE S.R.L.

Sede legale

Via dell'Industria, 24
35028 PIOVE di SACCO - (Padova) Italy

Sede operativa

Via G. Puccini, 9
30010 CANTARANA di CONA - (Venezia) Italy

Tel. +39.0426.302051
Fax +39.0426.840000

info@enerblue.it

www.enerblue.it