DOMESTIC HOT WATER TANKS **for heat pump systems**

with **two double high output** heat exchangers

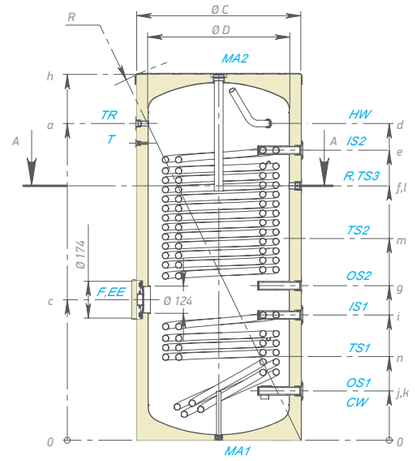
200 L to 500 L

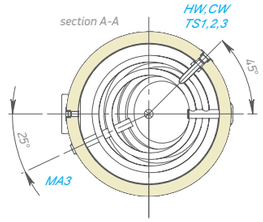


MODELS		TESY EV 2x4 2x9 S2 200 60 HP	TESY EV 2x5 2x12 S2 300 65 HP	TESY EV 2x6 2x13 S2 500 75 HP
Art.number	№	305254	305255	305249
Capacity	L	185	269	459
Net weight	kg	84	122	188
Insulation	mm	50	50	50
Heat exchanger surface S1	**m²**	**0,65**	**1,00**	**1,55**
Heat exchanger capacity S1	L	4,00	6,00	9,30
Heat exchanger surface S2	**m²**	**1,60**	**2,45**	**3,45**
Heat exchanger capacity S2	L	9,50	14,70	21,00
Heat losses ΔT45K	W	59	68	95
Energy efficiency class		B	B	C
Maximum operational temperature	°C	95	95	95
Maximum operational temperature of heat exchanger	°C	110	110	110
Rated pressure	**bar**	**8**	**8**	**8**
Rated pressure of the heat exchanger	bar	6	6	6
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 80⁰	kW (l/min)	14.4 (20.8)	16.6 (25.0)	26.7 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 80⁰	kW (l/min)	28.6 (20.8)	34.0 (25.0)	52.0 (29.2)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 80⁰	L	326	461	808
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 80⁰	L	203	303	491
Reheat time 10-60°C rate at primary side (S1) Coil 80⁰	min (l/min)	44 (20.8)	54 (25.0)	58 (29.2)
Reheat time 10-60°C rate at primary side (S2) Coil 80⁰	min (l/min)	14 (20.8)	17 (25.0)	18 (29.2)
Heat exchanger reheat performance P at flow rate of primary side (S1) Coil 55⁰	kW (l/min)	6.1 (33.3)	7.1 (33.3)	10.6 (33.3)
Heat exchanger reheat performance P at flow rate of primary side (S2) Coil 55⁰	kW (l/min)	13.4 (33.3)	16.3 (33.3)	22.5 (33.3)
V40 -hot water delivered with a temperature of at least 40 °C (S1) Coil 55⁰	L	253	375	601
V40 -hot water delivered with a temperature of at least 40 °C (S2) Coil 55⁰	L	158	237	395
Reheat time 10-60°C* rate at primary side (S1) Coil 55⁰	min (l/min)	80 (33.3)	98 (33.3)	109 (33.3)
Reheat time 10-60°C* rate at primary side (S2) Coil 55⁰	min (l/min)	22 (33.3)	27 (33.3)	33 (33.3)
Coil Pressure drop at flow rate m³/h (S1)	mBar (l/min)	4.0(20.8) 15.8(33.3)	3.5(25.0) 9.9(33.3)	17.9(29.9) 23.3(33.3)
Coil Pressure drop at flow rate m³/h (S2)	mBar (l/min)	10.3(20.8) 26.8(33.3)	12.0(25.0) 24.6(33.3)	24.6(29.2) 32.6(33.3)

** 10°C - cold water temperature, 60°C - hot water temperature (domestic water)*

Domestic hot water tanks for heat pump systems | with **two double high output** heat exchangers | **200 L to 500 L**





MODELS		TESY EV 2x4 2x9 S2 200 60 HP	TESY EV 2x5 2x12 S2 300 65 HP	TESY EV 2x6 2x13 S2 500 75 HP
CW	cold water inlet	G1	G1	G1
HW	hot water outlet	G1	G1	G1
IS1	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2
OS1	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2
IS2	heat exchanger inlet	G1 1/2	G1 1/2	G1 1/2
OS2	heat exchanger outlet	G1 1/2	G1 1/2	G1 1/2
R	recirculation	G3/4	G3/4	G3/4
T	thermometer	Ø14	Ø14	Ø14
TR	opening for thermoregulator	G1/2	G1/2	G1/2
TS1	thermo pocket level 1	G1/2	G1/2	G1/2
TS2	thermo pocket level 2	G1/2	G1/2	G1/2
TS3	thermo pocket level 3	-	G1/2	G1/2
EE	opening for electric element	G1 1/2	G1 1/2	G1 1/2
MA1	magnesium anode 1	G3/4	G3/4	G3/4
MA2	magnesium anode 2	G1 1/2	G1 1/2	G1 1/2
MA3	magnesium anode 3	-	-	G1 1/2

TS3 is not available in 200 L model
200 L and 300 L models are with two magnesium anodes
Thread designations according to EN ISO 228-1!

Dimensions ±5mm		TESY EV 2x4 2x9 S2 200 60 HP	TESY EV 2x5 2x12 S2 300 65 HP	TESY EV 2x6 2x13 S2 500 75 HP
h	mm	1197	1420	1677
a	mm	996	1184	1447
c	mm	483	533	642
d	mm	996	1184	1447
e	mm	966	1150	1325
f	mm	817	1055	1162
g	mm	519	574	706
i	mm	434	485	572
j	mm	202	206	225
k	mm	202	206	225
n	mm	360	398	467
m	mm	817	726	864
l	mm	-	1055	1262
R	mm	1340	1560	1831
ØC	mm	600	650	750
ØD	mm	500	550	650

EXAMPLE OF INSTALLATION AND CONNECTION

