

CERTIFICATE

Certificate holder	Riello S.p.A. Via Ing. Pilade Riello 7 37048 Legnago VR ITALY
Production facility	Piombino Dese
Product	Solar collectors
Type, Model	CP25T0S
Testing basis	DIN EN 12975-1:2011-01 DIN EN ISO 9806:2014-03 Specific CEN KEYMARK Scheme Rules for Solar Thermal Products version 24.00 (2014-11)
Mark of conformity	
Registration No.	011-7S2505 F
Valid until	2020-04-30
Right of use	This certificate entitles the holder to use the mark of conformity shown above in conjunction with the specified registration number. See annex for further information.

ANNEX

Page 1 of 1

Certificate	011-7S2505 F dated 2015-04-17
Technical Data	See data sheet, part of the test report of 2015-04-02
	Note(s):
	- The freeze resistance test according to DIN EN ISO 9806, clause 15 was not necessary. According to the manufacturer's declaration, the certified solar collectors may be used in frost exposed areas only in combination with appropriate frost protection mixtures.
Testing laboratory/ Inspection body	Institut für Solartechnik SPF Hochschule für Technik Rapperswil Oberseestrasse 10 8640 Rapperswil SWITZERLAND
Test report(s)	No. C1657LPEN, No. C1657QPEN dated 2015-04-02



Annual collector output based on EN 12975 Test Results, annex to Solar KEYMARK Certificate	Licence Number	011-7S2505 F
	Issued	09.04.2015

Annual collector output kWh/module														
Collector name	Location and collector temperature (Tm)													
	Athens			Davos			Stockholm			Würzburg				
	25°C	50°C	75°C	25°C	50°C	75°C	25°C	50°C	75°C	25°C	50°C	75°C		
CP25TOS	2'641	1'793	1'156	1'946	1'313	840	1'437	906	552	1'566	974	584		

Collector mounting: Fixed or tracking Fixed; slope = latitude - 15° (rounded to nearest 5°)

Overview of locations				
Location	Latitude °	Gtot kWh/m²	Ta °C	Collector orientation or tracking mode
Athens	38	1'765	18.5	South, 25°
Davos	47	1'714	3.2	South, 30°
Stockholm	59	1'166	7.5	South, 45°
Würzburg	50	1'244	9.0	South, 35°

Gtot	Annual total irradiation on collector plane	kWh/m²
Ta	Mean annual ambient air temperature	°C
Tm	Constant collector operating temperature (mean of in- and outlet temperatures)	°C

The calculation of the annual collector performance is performed with the official Solar Keymark spreadsheet tool ScenoCalc. The collector output is calculated hour by hour according to the efficiency parameters from the Keymark test using constant collector operating temperature (Tm). A detailed description of the calculations is available at <http://www.sp.se/en/index/services/solar/ScenoCalc/Sidor/default.aspx>.

DIN CERTCO • Alboinstraße 56 • 12103 Berlin, Germany Tel: +49 30 7562-1131 • Fax: +49 30 7562-1141 • E-Mail: info@dincertco.de • www.dincertco.de	Datasheet version:
	4.06, 2014-01-15
	ScenoCalc version:
	Ver. 4.06 (Jan, 2014)

RIELLO S.p.A.

Via Risorgimento, 13
23900 Lecco (LC)
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RIELLO S.p.A.
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direzione e coordinamento di Riello Group SPA
Sede legale e amministrativa
37045 Legnago (VR) - Via Ing. Pilade Riello 7
Cap. soc. € 7.117.400,00 I.V.
Reg. delle Imp. di Verona N. 02641790239
C.F. e Part. IVA 02641790239

Piombino Dese, 29 Giugno 2015

DICHIARAZIONE DI CORRISPONDENZA

La società

Riello SpA Heating Products Direction
Via Ing. Pilade Riello 7
37045 Legnago
ITALIA


dichiara che i collettori solari serie CP e sistemi a circolazione naturale TSSA dotati di certificazione Solar Keymark e costruiti presso lo stabilimento di Piombino Dese, sono tecnicamente identici ai collettori solari e ai sistemi a marchio Beretta secondo quanto riportato nella tabella allegata.

DECLARATION OF CORRESPONDENCE


The company

Riello SpA Heating Products Direction
Via Ing. Pilade Riello 7
37045 Legnago
ITALIA

declare that the solar collectors type CP and thermosiphon system TSSA certified Solar Keymark and manufactured in the factory located in Piombino Dese, are technically identical to the solar collectors and to the systems with the Beretta brand according to the enclosed table.


Riccardo Rohmpani

Product Marketing Residential HVAC Manager


Riello S.p.A.

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Descrizione collettore solare	Marchio / Brand	Certificato n.
Solar collector type	Beretta	Certificate n.
CP20TNA	SCN-20S	099BN/0
CP20TSA	SCF-20N	011-7S1765 F
CP25TLA	SCI-25N	011-7S1951 F
CP25TV/A	SCF-25N	011-7S1766 F
CP25VVA	SCF-V25	011-7S1983 F
CP25VOA	SCO-25N	011-7S2056 F
TSSA BLACK 200/1	NS-SOL 200/1	111 BN/0
TSSA BLACK 300/2	NS-SOL 300/2	111 BN/0
CP20TSS	SCF-20B	011-7S2400 F
CP25TVS	SCF-25B	011-7S2399 F
CP25TOS	SCO-25B	011-7S2505 F