

Declaration of Performance

DOP No. Z6-1.1920/1

1. Unique identification code of the product type:

Tesi 2 Column

2. Serial Number:

“TESI2CXX”

3. Intended Use/Uses:

In heating systems in buildings

4. Manufacture:

**IRSAP SPA
Via Delle Industri n.211
45031 - Arqua Polesine (RO)
Italy
www.irsap.it**

5. System/Systems of AVCP:

System 3

6. Notified Body/Bodies:

**Politecnico di Milano - Department of Energy
via Ponzio
20133 Milan
Italy**

Test Report Number/s:

ENE/MRT.RES.01003_A

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

7. Declared Performance:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximal working pressure	12 Bar	
Pressure tightness	No Leakage at 15.6 Bar	
Surface temperature maximum	95 °C	
Resistance to pressure	No Breakage at 20.28 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K _M & n see table 1	

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
 Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
195	45	TESI2C19	14.9	7.9	0.11119	1.25221
300	45	TESI2C30	23.4	12.5	0.18432	1.23859
350	45	TESI2C35	26.8	14.2	0.20740	1.24257
365	45	TESI2C36	27.8	14.7	0.21411	1.24377
400	45	TESI2C40	30.1	15.9	0.22944	1.24656
450	45	TESI2C45	33.4	17.7	0.25056	1.25054
500	45	TESI2C50	36.7	19.3	0.27083	1.25453
550	45	TESI2C55	39.9	21.1	0.29032	1.25851
565	45	TESI2C56	40.9	21.5	0.29602	1.25971
600	45	TESI2C60	43.2	22.6	0.30909	1.26250
650	45	TESI2C65	46.4	24.6	0.32718	1.26648
665	45	TESI2C66	47.4	24.8	0.33248	1.26767
685	45	TESI2C68	48.7	25.5	0.33964	1.26927
750	45	TESI2C75	52.9	27.6	0.36148	1.27445
765	45	TESI2C76	53.9	28.1	0.36642	1.27564
865	45	TESI2C86	60.4	31.3	0.39811	1.28361
885	45	TESI2C88	61.7	32.0	0.40419	1.28520
900	45	TESI2C90	62.7	32.5	0.40870	1.28640
1000	45	TESI2C10	69.2	35.7	0.43823	1.29404
1200	45	TESI2C12	82.5	42.3	0.49210	1.30931
1500	45	TESI2C15	103.0	52.2	0.56164	1.33221
1800	45	TESI2C18	124.3	63.0	0.68525	1.32939
2000	45	TESI2C20	139.0	70.9	0.79832	1.31894
2200	45	TESI2C22	154.2	79.0	0.92232	1.30848
2500	45	TESI2C25	117.8	91.9	1.13103	1.29280

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3

Grant Dixon



**Operations Director
January 2018**

Clyde Radiators is a brand of IRSAP
Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Declaration of Performance

DOP No. Z6-1.2920/1

1. Unique identification code of the product type:

Tesi 3 Column

2. Serial Number:

"TESI3CXX"

3. Intended Use/Uses:

In heating systems in buildings

4. Manufacture:

**IRSAP SPA
Via Delle Industri n.211
45031 - Arqua Polesine (RO)
Italy
www.irsap.it**

5. System/Systems of AVCP:

System 3

6. Notified Body/Bodies:

**Politecnico di Milano - Department of Energy
via Ponzio
20133 Milan
Italy**

Test Report Number/s:

ENE/MRT.ITPL.01004

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

7. Declared Performance:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximal working pressure	12 Bar	
Pressure tightness	No Leakage at 15.6 Bar	
Surface temperature maximum	95 °C	
Resistance to pressure	No Breakage at 20.28 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K _M & n see table 1	

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
 Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk



Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
195	45	TESI3C19	20.3	10.5	0.13136	1.28832
300	45	TESI3C30	32.5	17.2	0.24633	1.24809
350	45	TESI3C35	37.3	19.8	0.27663	1.25357
365	45	TESI3C36	38.7	20.5	0.28536	1.25521
400	45	TESI3C40	42.0	22.1	0.30512	1.25905
450	45	TESI3C45	46.7	24.8	0.33196	1.26452
500	45	TESI3C50	51.4	26.9	0.35727	1.27000
550	45	TESI3C55	56.0	29.7	0.38114	1.27548
565	45	TESI3C56	57.4	29.9	0.38804	1.27712
600	45	TESI3C60	60.6	31.3	0.40367	1.28095
650	45	TESI3C65	65.2	34.3	0.42493	1.28643
665	45	TESI3C66	66.5	34.5	0.43108	1.28808
685	45	TESI3C68	68.3	35.4	0.43910	1.29027
750	45	TESI3C75	74.4	38.3	0.46393	1.29739
765	45	TESI3C76	75.6	38.9	0.46939	1.29903
865	45	TESI3C86	84.6	43.4	0.50345	1.30998
885	45	TESI3C88	86.4	44.2	0.50979	1.31218
900	45	TESI3C90	87.8	44.9	0.51444	1.31382
1000	45	TESI3C10	96.8	49.4	0.56123	1.31651
1200	45	TESI3C12	114.8	58.4	0.65153	1.32188
1500	45	TESI3C15	141.7	71.9	0.77975	1.32995
1800	45	TESI3C18	168.9	85.8	0.94669	1.32520
2000	45	TESI3C20	187.2	95.5	1.08014	1.31777
2200	45	TESI3C22	205.7	105.3	1.22165	1.31033
2500	45	TESI3C25	233.7	120.4	1.45019	1.29918

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3

Grant Dixon



**Operations Director
January 2018**

Clyde Radiators is a brand of IRSAP
Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Declaration of Performance

DOP No. Z6-1.3920/1

1. Unique identification code of the product type:

Tesi 4 Column

2. Serial Number:

"TESI4CXX"

3. Intended Use/Uses:

In heating systems in buildings

4. Manufacture:

**IRSAP SPA
Via Delle Industri n.211
45031 - Arqua Polesine (RO)
Italy
www.irsap.it**

5. System/Systems of AVCP:

System 3

6. Notified Body/Bodies:

**Politecnico di Milano - Department of Energy
via Ponzio
20133 Milan
Italy**

Test Report Number/s:

ENE/MRT.RES.01003_B

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

7. Declared Performance:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximal working pressure	8 Bar	
Pressure tightness	No Leakage at 10.4 Bar	
Surface temperature maximum	95 °C	
Resistance to pressure	No Breakage at 13.5 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K _M & n see table 1	

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
 Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
195	45	TESI4C19	26.0	13.2	0.14493	1.32643
300	45	TESI4C30	42.1	22.1	0.30660	1.25812
350	45	TESI4C35	48.4	25.4	0.34298	1.26517
365	45	TESI4C36	50.3	26.4	0.35336	1.26729
400	45	TESI4C40	54.6	28.5	0.37660	1.27223
450	45	TESI4C45	60.8	31.7	0.40773	1.27928
500	45	TESI4C50	66.9	34.7	0.43650	1.28633
550	45	TESI4C55	73.0	37.9	0.46308	1.29339
565	45	TESI4C56	74.8	38.6	0.47066	1.29550
600	45	TESI4C60	79.0	40.7	0.48765	1.30044
650	45	TESI4C65	85.0	43.8	0.51024	1.30749
665	45	TESI4C66	86.7	44.4	0.51669	1.30961
685	45	TESI4C68	89.1	45.6	0.52498	1.31243
750	45	TESI4C75	96.8	49.3	0.55014	1.32160
765	45	TESI4C76	98.6	50.1	0.55558	1.32372
865	45	TESI4C86	110.3	55.7	0.58816	1.33782
885	45	TESI4C88	112.6	56.8	0.59400	1.34064
900	45	TESI4C90	114.3	57.6	0.59821	1.34276
1000	45	TESI4C10	125.9	63.5	0.66531	1.34023
1200	45	TESI4C12	148.8	75.2	0.80201	1.33516
1500	45	TESI4C15	182.6	92.7	1.01414	1.32755
1800	45	TESI4C18	216.0	110.0	1.23184	1.32078
2000	45	TESI4C20	238.1	121.5	1.38042	1.31653
2200	45	TESI4C22	260.0	133.0	1.53287	1.31229
2500	45	TESI4C25	292.8	150.2	1.76926	1.30592

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3

Grant Dixon



**Operations Director
January 2018**

Clyde Radiators is a brand of IRSAP
Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Declaration of Performance

DOP No. Z6-1.4920/1

1. Unique identification code of the product type:

Tesi 5 Column

2. Serial Number:

"TESI5CXX"

3. Intended Use/Uses:

In heating systems in buildings

4. Manufacture:

**IRSAP SPA
Via Delle Industri n.211
45031 - Arqua Polesine (RO)
Italy
www.irsap.it**

5. System/Systems of AVCP:

System 3

6. Notified Body/Bodies:

**Politecnico di Milano - Department of Energy
via Ponzio
20133 Milan
Italy**

Test Report Number/s:

ENE/MRT.ITPL.01005

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

7. Declared Performance:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximal working pressure	12 Bar	
Pressure tightness	No Leakage at 15.6 Bar	
Surface temperature maximum	95 °C	
Resistance to pressure	No Breakage at 20.28 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K_M & n see table 1	

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
 Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
195	45	TESI5C19	31.7	15.9	0.16097	1.35025
300	45	TESI5C30	51.4	26.8	0.34984	1.27553
350	45	TESI5C35	59.0	30.8	0.38959	1.28335
365	45	TESI5C36	61.3	32.0	0.40085	1.28570
400	45	TESI5C40	66.5	34.4	0.42600	1.29118
450	45	TESI5C45	74.0	38.3	0.45934	1.29900
500	45	TESI5C50	81.3	41.7	0.48985	1.30683
550	45	TESI5C55	88.7	45.5	0.51773	1.31465
565	45	TESI5C56	90.8	46.4	0.25561	1.31700
600	45	TESI5C60	95.9	48.8	0.54317	1.32248
650	45	TESI5C65	103.1	52.5	0.56633	1.33031
665	45	TESI5C66	105.2	53.3	0.57285	1.33265
685	45	TESI5C68	108.1	54.6	0.58126	1.33578
750	45	TESI5C75	117.4	59.0	0.60639	1.34596
765	45	TESI5C76	119.5	60.0	0.61173	1.34831
865	45	TESI5C86	133.6	66.6	0.64327	1.36396
885	45	TESI5C88	136.4	67.8	0.64878	1.36709
900	45	TESI5C90	138.5	68.8	0.65275	1.36944
1000	45	TESI5C10	152.4	75.9	0.73394	1.36397
1200	45	TESI5C12	180.0	90.2	0.90463	1.35305
1500	45	TESI5C15	220.9	111.6	1.18340	1.33667
1800	45	TESI5C18	261.3	132.6	1.45197	1.32733
2000	45	TESI5C20	288.0	146.5	1.62514	1.32345
2200	45	TESI5C22	314.7	160.4	1.80266	1.31957
2500	45	TESI5C25	354.5	181.2	2.07761	1.31376

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3

Grant Dixon



**Operations Director
January 2018**

Clyde Radiators is a brand of IRSAP
Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Declaration of Performance

DOP No. Z6-1.5920/1

1. Unique identification code of the product type:

Tesi 6 Column

2. Serial Number:

"TESI5CXX"

3. Intended Use/Uses:

In heating systems in buildings

4. Manufacture:

**IRSAP SPA
Via Delle Industri n.211
45031 - Arqua Polesine (RO)
Italy
www.irsap.it**

5. System/Systems of AVCP:

System 3

6. Notified Body/Bodies:

**Politecnico di Milano - Department of Energy
via Ponzio
20133 Milan
Italy**

Test Report Number/s:

ENE/MRT.RES.01003_C

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

7. Declared Performance:

Essential Characteristics	Properties	Harmonised technical specification
Reaction to fire	A1	EN-442-1:2014
Release of dangerous substances	No Release	
Maximal working pressure	12 Bar	
Pressure tightness	No Leakage at 15.6 Bar	
Surface temperature maximum	95 °C	
Resistance to pressure	No Breakage at 20.28 Bar	
Rated thermal outputs	See Table 1	
Thermal output in different operating conditions	$\Phi = K_M \times \Delta T^n$ K_M & n see table 1	

Clyde Radiators is a brand of IRSAP

Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
 Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk

Table 1:

Height (mm)	Width (mm)	Code	Output $\Delta T=50^{\circ}\text{C}$ (watts)	Output $\Delta T=30^{\circ}\text{C}$ (Watts)	Coefficient K_M	Exponent n
195	45	TESI6C19	37.4	18.5	0.17298	1.37407
300	45	TESI6C30	60.7	31.4	0.38603	1.29293
350	45	TESI6C35	69.6	35.8	0.42818	1.30153
365	45	TESI6C36	72.3	37.1	0.44004	1.30411
400	45	TESI6C40	78.5	40.2	0.46640	1.31013
450	45	TESI6C45	81.2	44.4	0.50104	1.31873
500	45	TESI6C50	95.8	48.6	0.53239	1.32732
550	45	TESI6C55	104.3	51.5	0.56070	1.33592
565	45	TESI6C56	106.9	54.0	0.56864	1.33850
600	45	TESI6C60	112.8	56.8	0.58621	1.34452
650	45	TESI6C65	121.2	60.7	0.60912	1.35312
665	45	TESI6C66	123.7	61.9	0.61551	1.35312
685	45	TESI6C68	127.1	63.5	0.62371	1.35914
750	45	TESI6C75	137.9	68.5	0.64786	1.37032
765	45	TESI6C76	140.4	69.6	0.65292	1.37289
865	45	TESI6C86	156.9	77.1	0.68211	1.39009
885	45	TESI6C88	160.2	78.6	0.68706	1.39353
900	45	TESI6C90	162.6	79.7	0.69059	1.39611
1000	45	TESI6C10	178.9	88.1	0.78517	1.38772
1200	45	TESI6C12	211.2	104.9	0.98972	1.37095
1500	45	TESI6C15	259.1	130.3	1.33955	1.34579
1800	45	TESI6C18	306.5	155.1	1.66017	1.33389
2000	45	TESI6C20	337.9	171.3	1.85581	1.33037
2200	45	TESI6C22	369.3	187.5	2.05608	1.32686
2500	45	TESI6C25	416.2	211.9	2.36573	1.32159

The performance of the product identified in point 1 is in conformity with the declared performances in point 7. This declaration of performance is issued under the sole responsibility of the manufacture identified in point 3

Grant Dixon



**Operations Director
January 2018**

Clyde Radiators is a brand of IRSAP
Units 13 – 14 Charlwoods Road | East Grinstead | West Sussex | RH19 2HU
Tel: 01342 305550 | email: info@clyderadiators.co.uk | Web: www.clyderadiators.co.uk