

**GENERATOR TYPE  
COMMERCIAL NAME**

R306.40	R306.41	R306.42	R306.43
Program H.F. US 50	Program H.F. US 65	Program H.F. US 80	Program H.F. US 100

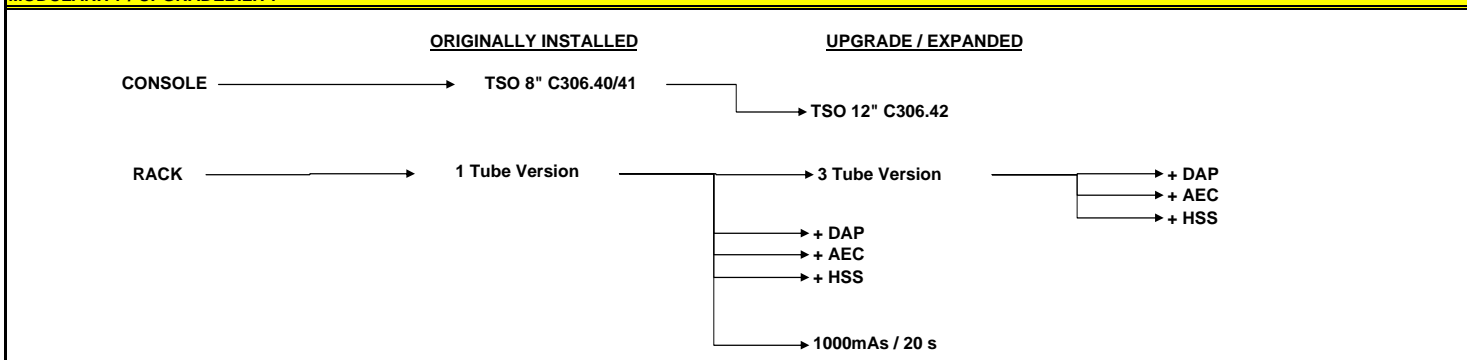
1.MANUFACTURER		ODEL S.p.A.	ODEL S.p.A.	ODEL S.p.A.	ODEL S.p.A.
1.1	Manufacturer Country	Italy	Italy	Italy	Italy
1.2	Certification	CE 0051 - Class II b (Dir. 93/42/CEE)	CE 0051 - Class II b (Dir. 93/42/CEE)	CE 0051 - Class II b (Dir. 93/42/CEE)	CE 0051 - Class II b (Dir. 93/42/CEE)
1.3	First installation	1995	1995	1995	1995
2.CHARACTERISTICS					
2.1	Number of Peaks	up to 64000 per second	up to 64000 per second	up to 64000 per second	up to 64000 per second
2.2	Number of Tubes	1 tube, 2 or 3 tubes as option	1 tube, 2 or 3 tubes as option	1 tube, 2 or 3 tubes as option	1 tube, 2 or 3 tubes as option
2.3	Rated Power	<b>50 kW</b>	<b>65 kW</b>	<b>80 kW</b>	<b>100 kW</b>
2.4	Maximum Performance mA/kV	630 mA @ 79 kV 500 mA @ 100 kV 400 mA @ 125 kV 320 mA @ 150 kV	800 mA @ 81 kV 630 mA @ 103 kV 500 mA @ 119 kV 400 mA @ 150 kV	1000mA @ 80 kV 800mA @ 100 kV 630 mA @ 126 kV 500 mA @ 150 kV	1000mA @ 100 kV 800mA @ 100 kV 630 mA @ 126 kV 630 mA @ 150 kV
2.5	Timing Control	Microprocessor Controlled	Microprocessor Controlled	Microprocessor Controlled	Microprocessor Controlled
2.6	kV Rise Time	1 ms on 75% of kV peak	1 ms on 75% of kV peak	1 ms on 75% of kV peak	1 ms on 75% of kV peak
2.7	kV Fall Time	depending on tube load and HV cables length	depending on tube load and HV cables length	depending on tube load and HV cables length	depending on tube load and HV cables length
2.8	Fluoro to Radio Latency	< 1.5s depending on tube anode	< 1.5s depending on tube anode	< 1.5s depending on tube anode	< 1.5s depending on tube anode
2.9	Anode Thermal Load display	Absolute in kJ and percentage	Absolute in kJ and percentage	Absolute in kJ and percentage	Absolute in kJ and percentage
2.10	Type	High frequency	High frequency	High frequency	High frequency
2.11	Supply Impedance	0.20 ohm	0.20 ohm	0.20 ohm	0.20 ohm
2.12	Ripple	max 5%	max 5%	max 5%	max 5%
2.13	Types of Tube Protection	Maximum Load; Thermal Load of Anode; Anode Rotation; Tube Thermal Switch; Filament Over-Heating; Maximum Voltage Protection.	Maximum Load; Thermal Load of Anode; Anode Rotation; Tube Thermal Switch; Filament Over-Heating; Maximum Voltage Protection.	Maximum Load; Thermal Load of Anode; Anode Rotation; Tube Thermal Switch; Filament Over-Heating; Maximum Voltage Protection.	Maximum Load; Thermal Load of Anode; Anode Rotation; Tube Thermal Switch; Filament Over-Heating; Maximum Voltage Protection.
2.14	Work Stations	5	5	5	5
3.INTERMITTENT MODE					
3.1	High Voltage	40kV..150kV (1kV resolution)	40kV..150kV (1kV resolution)	40kV..150kV (1kV resolution)	40kV..150kV (1kV resolution)
3.2	High Voltage Current	10 .. 630 mA (R'10 scale) (30 steps)	10 .. 800 mA (R'10 scale) (31 steps)	10 .. 1000 mA (R'10 scale) (32 steps)	10 .. 1000 mA (R'10 scale) (32 steps)
3.3	Exposure Timer	1 ms .. 6 s (R'10 scale) (36 steps)	1 ms .. 6 s (R'10 scale) (36 steps)	1 ms .. 6 s (R'10 scale) (36 steps)	1 ms .. 6 s (R'10 scale) (36 steps)
3.4	Current Time Product	0,4mAs..600mAs	0,4mAs..600mAs	0,4mAs..600mAs	0,4mAs..600mAs
3.5	Fluoroscopy to Radiography Autoparameterization	Yes	Yes	Yes	Yes
3.6	Images per Second	60 images/second	60 images/second	60 images/second	60 images/second
3.7	Anatomical Programming for Console C306.20 (*)	7 Anatomical levels: 5 Parts of body each level; 5 Projection each part; 3 Patient sizes	7 Anatomical levels: 5 Parts of body each level; 5 Projection each part; 3 Patient sizes	7 Anatomical levels: 5 Parts of body each level; 5 Projection each part; 3 Patient sizes	7 Anatomical levels: 5 Parts of body each level; 5 Projection each part; 3 Patient sizes
3.8	0 Point Technique	Yes (Parameters transfer from fluoroscopy or HCF to Radiography)	Yes (Parameters transfer from fluoroscopy or HCF to Radiography)	Yes (Parameters transfer from fluoroscopy or HCF to Radiography)	Yes (Parameters transfer from fluoroscopy or HCF to Radiography)
3.9	1 Point Technique (kV)	Yes	Yes	Yes	Yes
3.10	2 Point Technique (kV, mAs)	Yes	Yes	Yes	Yes
3.11	3 Point Technique (kV, mA, s)	Yes	Yes	Yes	Yes
3.12	Automatic Exposure Control	On request, up to 3 chambers	On request, up to 3 chambers	On request, up to 3 chambers	On request, up to 3 chambers
3.13	AEC Chamber Type	Semiconductor	Semiconductor	Semiconductor	Semiconductor
3.14	Minimum Exposure Time	1ms	1ms	1ms	1ms
3.15	Configuration Protection	Service password	Service password	Service password	Service password
4.AUTOMATIC EXPOSURE CONTROL					
4.1	AEC Chamber Type	Semiconductor	Semiconductor	Semiconductor	Semiconductor
4.2	Adjustable Parameters	3 Film/Screen combination, 3 Fields, 7 darkness points; regulation: - 50% + 200%	3 Film/Screen combination, 3 Fields, 7 darkness points; regulation: - 50% + 200%	3 Film/Screen combination, 3 Fields, 7 darkness points; regulation: - 50% + 200%	3 Film/Screen combination, 3 Fields, 7 darkness points; regulation: - 50% + 200%
4.3	Number of Detectors	3 maximum	3 maximum	3 maximum	3 maximum
5.CONTINUOUS MODE					
5.1	High Voltage	40kV..120kV	40kV..120kV	40kV..120kV	40kV..120kV
5.2	High Voltage Current	0.5mA .. 8mA	0.5mA .. 8mA	0.5mA .. 8mA	0.5mA .. 8mA
5.3	Timer	Yes	Yes	Yes	Yes
5.4	Automatic Fluoroscopy	Yes	Yes	Yes	Yes
5.5	Pulsed Fluoroscopy Mode	Yes	Yes	Yes	Yes
5.6	Images per Second	60 images/second	60 images/second	60 images/second	60 images/second
6.MECHANICAL CHARACTERISTICS					
6.1	Power Rack Dimensions (WxDxH)	56,5 x 50 x 201 cm	56,5 x 50 x 201 cm	56,5 x 50 x 201 cm	56,5 x 50 x 201 cm
6.2	Power Rack Weight (1 tube)	185 kg (Rack 152 kg + Trasformer 33 kg)	185 kg (Rack 152 kg + Trasformer 33 kg)	185 kg (Rack 152 kg + Trasformer 33 kg)	185 kg (Rack 152 kg + Trasformer 33 kg)
6.3	Power Rack Weight (2 - 3 tubes)	200 kg (Rack 152 kg + Trasformer 48 kg)	200 kg (Rack 152 kg + Trasformer 48 kg)	200 kg (Rack 152 kg + Trasformer 48 kg)	200 kg (Rack 152 kg + Trasformer 48 kg)
6.4	Control Console C306.20 Dimensions (WxDxH) and Weight	28,5 x 37 x 9,5 cm - 11 kg	28,5 x 37 x 9,5 cm - 11 kg	28,5 x 37 x 9,5 cm - 11 kg	28,5 x 37 x 9,5 cm - 11 kg
6.5	Control Console C306.20 with Stand Dimension (W x D x H) and Weight	28,5 x 37 x 98 cm - 28 kg	28,5 x 37 x 98 cm - 28 kg	28,5 x 37 x 98 cm - 28 kg	28,5 x 37 x 98 cm - 28 kg
6.6	Control Console TSO 8" C306.40/41 Dimensions (WxDxH) and Weight	29,5 x 24,5 x 9,5 cm - 5,5 kg	29,5 x 24,5 x 9,5 cm - 5,5 kg	29,5 x 24,5 x 9,5 cm - 5,5 kg	29,5 x 24,5 x 9,5 cm - 5,5 kg
6.7	Control Console TSO 12" C306.42 Dimensions (WxDxH) and Weight	29,5 x 24,5 x 9,5 cm - 6 kg	29,5 x 24,5 x 9,5 cm - 6 kg	29,5 x 24,5 x 9,5 cm - 6 kg	29,5 x 24,5 x 9,5 cm - 6 kg
7.MAINS CHARACTERISTICS					
7.1	Mains Voltage	400 Vac Three-phase	400 Vac Three-phase	400 Vac Three-phase	400 Vac Three-phase
7.2	Mains Current	108 A	141 A	173 A	173 A
7.3	Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
7.4	Maximum Mains Power (active)	63 kW	82 kW	100 kW	125 kW
7.5	Maximum Mains Power (apparent)	75 kVA	98 kVA	120 kVA	150 kVA
7.6	Safety Protections	63A Three-pole Curve C / 30 mA differential Breaker type B	63A Three-pole Curve C / 30 mA differential Breaker type B	63A Three-pole Curve C / 30 mA differential Breaker type B	63A Three-pole Curve C / 30 mA differential Breaker type B
8. DAP CHARACTERISTICS					
8.1	Dose Indication	mGy * cm2	mGy * cm2	mGy * cm2	mGy * cm2

(\*) for Console TSO 8"/12" - C306.40/41/42 the number of Anatomical Programs depends on the memorizing technique chosen

**OTHER CHARACTERISTICS**

- 1000 mAs / 20 s for industrial environment on request
- No forced ventilation need, no fan inside
- Parallel computer processing for line control and emission safeties
- Free pc service program
- Dedicated digital system interface
- READY-TO-GO driver for ALPHA, ATS, EUROCOLUMBUS, INFIMED, NICAL, X-SITE system
- VIDEO TRAINING COURSE for technician available on request

**MODULARITY / UPGRADEABILITY**



R'10 scale: 1 \_ 1,25 \_ 1,6 \_ 2 \_ 2,5 \_ 3,2 \_ 4 \_ 5 \_ 6,3 \_ 8 \_ 10 \_ ....

NOTE: Specifications are subject to change without notice