

Profel OY - Active Speaker models (2015)

	PS30	PA31i	PS302DT	PA312	PS56	PS66	PS81	Nuovo Trenta	Nuovo Settanta	Nuovo Quaranta
tweeter - inch (mm)	1 (25)	1 (25)	1 (25)	1 (25)	3/4 (19)	1 (25)	1 (25)	1 (25)	1 (25)	1 (25)
tweeter	silk dome	silk dome	silk dome	silk dome	aluminium dome, wave guide	aluminium dome, wave guide	aluminium dome, wave guide	silk dome	silk, ring radiator	aluminium dome, wave guide
woofer - inch (mm)	3,5 (95)	3,5 (95)	2 x 3,5 (95)	2 x 3,5 (95)	5,5 (145)	6,5 (165)	8,5 (216)	3,5 (89)	4,5 (120)	4,5 (120)
woofer	polypropylene cone	paper cone	paper cone	paper cone	polypropylene cone	polypropylene cone	polypropylene cone	polypropylene cone	paper cone, Nextel coating, phase plug	paper cone, Nextel coating, phase plug
subwoofer - inch (mm)	na.	na.	na.	na.	na.	na.	na.	na.	na.	8,5 (216)
subwoofer										polypropylene cone, side position
crossover (Hz)	4500	5000	5000	5000	4000	4500	4500	4500	4000	5000
sub crossover (Hz)	na.	na.	na.	na.	na.	na.	na.	na.	na.	280
frequency response (Hz)	70-22000	65-22000	60-22000	60-22000	55-22000	45-20000	32-20000	60-22000	55-22000	20-20000
amplifiers										
tweeter	40W	35W	50W	50W	64W	64W	64W	40W	50W	50W
woofer	40W	35W	50W	50W	64W	64W	240W	40W	50W	50W
subwoofer	na.	na.	na.	na.	na.	na.	na.	na.	na.	250W
amplifier class	AB	AB	AB	AB	AB	AB	AB	AB	AB	AB
sensitivity	0,7V +/-6 dB	0,7V 0 - 10dB	0,7V +/-6 dB	0,7V 0 - 10dB	0,7V +/-6 dB	0,7V 0 - 10dB	0,7V +/-6 dB	0,7V 0 - 10dB	0,7V 0 - 10dB	0,7V 0 - 10dB
maximum acoustic output short term RMS @ 1m	105	105	110	110	112	115	117	105	108	122
maximum acoustic output peak per pair @ 1m	111	111	116	116	118	121	123	111	114	128
tone adjustment										
treble (dB)	-2, 0, +2	na.	-2, 0, +2	na.	-2, 0, +2	-2, 0, +2	-2, 0, +2	na.	-2, 0, +2	0, -1, -2
mid (dB)	na.	na.	-2, 0, +2	na.	-2, 0, +2	na.	na.	na.	-2, 0, +2	na.
bass (dB)	na.	na.	-2, 0, +2	na.	-2, 0, +2	-2, 0, +2	-2, 0, +2	na.	-2, 0, +2	bass level adjustment, +/- 16dB
low-bass (dB) roll-off	na.	na.	na.	na.	na.	0, -2, -4	0, -2, -4	na.	na.	0, -2, -4
signal in	3,5 mm, balanced (unbalanced), opt. XLR	RCA, unbalanced	XLR, balanced	RCA, unbalanced	XLR, balanced; RCA unbalanced	XLR, balanced	XLR, balanced	RCA, unbalanced	RCA, unbalanced	RCA, unbalanced, opt. XLR balanced
signal out	na.	na.	na.	na.	na.	XLR, balanced	XLR, balanced	na.	na.	na.
auto standby	na.	yes	na.	na.	na.	na.	na.	na.	na.	na.
overload protection	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
RF-shielding	yes	opt.	yes	opt.	yes	yes	yes	opt.	opt.	opt.
cabinet type	sealed	sealed	sealed	sealed	bass-reflex	bass-reflex	bass-reflex	bass-reflex	bass-reflex	dual structure, sealed and bass-reflex
dimensions, w x h x d (mm)	110 x 175 x 145	113 x 180 x 150	289 x 124 x 180	289 x 124 x 180	170 x 265 x 195	190 x 300 x 225	250 x 390 x 295	123 x 200 x 150	250 x 155 x 175	155 x 1135 x 285
weight (Kg)	2,1	2,1	4,0	4,0	4,2+F7	7,0	11,5	2,2	3,9	22,0
	PS30	PA31i	PS302DT	PA312	PS56	PS66	PS81	Nuovo Trenta	Nuovo Settanta	Nuovo Quaranta

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Profel subwoofers	PA65SW	PA80SW	PS100SW	Nuovo Gamba
element size in (mm)	6,5 (165)	8 (210)	10 (254)	2 x 10 (254)
max displacement (mm)	13	17	25	25
frequency response +/- 6dB (Hz)	30-150	20-150	20-150	20-150
amplifier	250W	200W	250W	2x 250W
amplifier class	AB	AB	AB	AB
sensitivity	0,7V 0 - 10dB	0,7V 0 - 10dB	0,7V 0 - 10dB	0,7V 0 - 10dB
high-cut (Hz)	50-150	50-150	50-150	50-150
low-cut (line out) (Hz)	50-150	50-150	50-150	50-150
phase	0/180	0/180	0/180	0/180
mute	yes	yes	yes	yes
auto standby	yes	yes	yes	yes
signal in	2xRCA	2xRCA, 2xHIGH	2xXLR, 2xHIGH	2xXLR, 2xRCA
signal out	2xRCA	2xRCA, 2xHIGH	2xXLR, 2xHIGH	2xXLR, 2xRCA
cabinet type	sealed	band-pass	bass-reflex	sealed
dimensions, w x h x d (mm)	210 x 210 x 210	280 x 280 x 280	330 x 420 x 330	390 x 390 x 390
weight (Kg)	6,3	10,6	17	27
Profel subwoofers	PA65SW	PA80SW	PS100SW	Nuovo Gamba