	POWER GENERATOR DY-950 650 W Dynamo	INVERTER POWER GENERATOR DY-2010/IS-B 1800 W Dynamo	INVERTER POWER GENERATOR DY-2810/IS-B 2500 W Dynamo	INVERTER POWER GENERATOR DY-3020/IS-PRO 3000 W Dynamo	INVERTER POWER GENERATOR DY-4010/ISEP-B 3500 W Dynamo	POWER GENERATOR DY-10020A-PRO 10 kW SENCI Dynamo	POWER GENERATOR DY-10020DA-PRO 10 kW SENCI Dynamo	POWER GENERATOR DY-1020PRO 800 W Dynamo	POWER GENERATOR DY-14020DA-PRO 14 kW SENCI Dynamo	POWER GENERATOR DY-18020DA-PRO 18 kW SENCI Dynamo	POWER GENERATOR DY-2600 B 2600 W Dynamo	POWER GENERATOR DY-3030/PRO 2800 W Dynamo	POWER GENERATOR DY-2505 2500 W Dynamo	POWER GENERATOR DY-6500/PRO 5000 W Dynamo	POWER GENERATOR DY-7500 6000 W Dynamo	INVERTER POWER GENERATOR F-2001/IS 1800 W FOGO	INVERTER POWER GENERATOR F-3001/IS 2300 W FOGO	POWER GENERATOR KD-150/S 800 W Kraft&Dele	INVERTER POWER GENERATOR KD-681 3000 W Kraft&Dele	POWER GENERATOR F-2001R 2500 W FOGO	POWER GENERATOR F-3001 2700 W FOGO	POWER GENERATOR FH-1001R 2500 W Honda GX 200 FOGO	POWER GENERATOR FH-6001R 5600 W Honda GX 270 FOGO	POWER GENERATOR FH-6001R 3800 W Honda GX 270 FOGO	POWER GENERATOR F-6001R 3600 W Rato R300 FOGO	POWER GENERATOR FH-6001R 5600 W Honda GX 390 FOGO	POWER GENERATOR FH-6001R 5600 W Honda GX 390 FOGO	POWER GENERATOR FH-8001R 7000 VA @ 7000 VA Honda GX 390 FOGO	AUTOMATIC TRANSFER SWITCH DY-ATS-1002DA Dynamo	AUTOMATIC TRANSFER SWITCH DY-ATS-1402020A Dynamo	AUTOMATIC TRANSFER SWITCH DY-ATS-1002DA Dynamo	AUTOMATIC TRANSFER SWITCH DY-ATS-1802DA Dynamo
	314.38 EUR 314.38 EUR	404.33 EUR 404.33 EUR	494.18 EUR 494.18 EUR	718.44 EUR 718.44 EUR	658.30 EUR 658.30 EUR	2568.53 EUR 2568.53 EUR	2875.22 EUR 2875.22 EUR	290.76 EUR 290.76 EUR	5175.39 EUR 5175.39 EUR	5558.75 EUR 5558.75 EUR	202.16 EUR 202.16 EUR	198.64 EUR 198.64 EUR	205.88 EUR 205.88 EUR	811.89 EUR 811.89 EUR	561.63 EUR 561.63 EUR	727.59 EUR 727.59 EUR	920.19 EUR 920.19 EUR	71.64 EUR 71.64 EUR	431.28 EUR 431.28 EUR	704.22 EUR 704.22 EUR	586.22 EUR 586.22 EUR	740.67 EUR 740.67 EUR	1174.68 EUR 1174.68 EUR	1053.59 EUR 1053.59 EUR	1452.78 EUR 1452.78 EUR	1749.27 EUR 1749.27 EUR	1969.21 EUR 1969.21 EUR	212.77 EUR 212.77 EUR	212.77 EUR 212.77 EUR	379.53 EUR 379.53 EUR	272.79 EUR 272.79 EUR
Support																													DY-10020DA	DY-14020SDA	DY-18020DA	DY-10020A
Maximum power	750 W	2000 W	2800 W	3200 W	4000 W	11 kW	11 kW	1000 W	15 kW	20 kW	3000 W	3200 W	2800 W	6000 W	6500 W	2000 W	2500 W		3300 W				4200 W		6200 W			10 kW	10 kW	10 kW	15 kW
Nominal power	• 650 W (manufacturer data). • 640 W (our tests result)	1800 W	2500 W	3000 W	3500 W	10 kW , 3 kW - for a single-phase socket	10 kW , 3 kW - for a single-phase socket	800 W	14 kW , 4.5 kW - for a single-phase socket	16 kW , 6 kW - for a single-phase socket	2600 W	2800 W	• 2500 W (manufacturer data). • 2450 W (our tests result)	5000 W	• 6000 W (manufacturer data). • 5500 W (our tests result)	1800 W	2300 W	800 W	3000 W	2500 W	2700 W	2500 W	3800 W	3600 W	5600 W	5600 W	5500 W - Single-phase installation / 7000 VA @ 8.8 (cosφ) - Three-phase installation	• 3.5 kW @ 230 V, • 10 kW @ 400 V	• 3.5 kW @ 230 V, • 10 kW @ 400 V	• 3.5 kW @ 230 V, • 10 kW @ 400 V	• 12 kW @ 230 V, • 14.5 kW @ 400 V
Output voltage	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	• 230 V AC, • 400 V AC	• 230 V AC, • 400 V AC	230 V AC	• 230 V AC, • 400 V AC	• 230 V AC, • 400 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC	• 230 V AC, • 400 V AC			
Maximal current																												• 15.2 A @ 230 V, • 26.3 A @ 400 V	• 15.2 A @ 230 V, • 26.3 A @ 400 V	• 15.2 A @ 230 V, • 26.3 A @ 400 V	• 50 A @ 230 V, • 63 A @ 400 V
Battery charging current																												3 A	3 A	3 A	5.5 A
Isolation class																												F	F	F	F
"Index of Protection"																												IP41	IP 41	IP41	IP41
Alternator windings	Copper	Copper	Copper	Copper	Copper			Copper			Aluminum	Copper	Copper	Copper	Copper																
Material																		Stainless steel + Aluminum + Plastic													
Spark plug type																															
Operation temp. / Relative humidity																												0 °C ... 40 °C / ≤ 95 %	0 ... 40 °C / ≤ 95 %	0 °C ... 40 °C / ≤ 95 %	-15 °C ... 60 °C / ≤ 95 %
Number of outlets	1 pcs - single-phase	1 pcs - single-phase	1 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	1 pcs - three-phase, 32 A IEC 60309 , 2 pcs - single-phase, 16 A CEE 7/4 (Schuko)	1 pcs - three-phase, 32 A IEC 60309 , 2 pcs - single-phase, 16 A CEE 7/4 (Schuko)	1 pcs - single-phase	• 1 pcs - single-phase, 32 A IEC 60309 , • 1 pcs - three-phase, 32 A IEC 60309	1 pcs - single-phase, 16 A IEC 60309 , 1 pcs - single-phase, 16 A CEE 7/4 (Schuko) , 1 pcs - three-phase, 32 A IEC 60309	• 3 pcs - single-phase, • 1 pcs - three-phase - Only one phase available	2 pcs - single-phase	1 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	1 pcs - single-phase	1 pcs - single-phase	1 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	2 pcs - single-phase	• 1 pcs - single-phase 32 A (max), • 1 pcs - single-phase 16 A (max)	• 1 pcs - single-phase 32 A (max), • 1 pcs - single-phase 16 A (max)	• 1 pcs - single-phase 16 A (max), • 1 pcs - three-phase 16 A (max)				
Output frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz			
ATS compatible																															
Voltage stabilization	—	Inverter (provides full voltage stabilization)	Inverter (provides full voltage stabilization)	Inverter (provides full voltage stabilization)	Inverter (provides full voltage stabilization)	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR	Inverter (provides full voltage stabilization)	Inverter (provides full voltage stabilization)	—	Inverter (provides full voltage stabilization)	AVR	—	AVR	AVR	AVR	AVR	AVR	AVR				
Built-in voltmeter	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	—	✓	—	—	—	—	—	—	—	—	—					
Frequency measurement in Hz		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓																
Measuring the number of engine hours		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓																
12V DC output	✓	✓	✓	✓	✓	✓	✓	✓	—	✓		—	✓	—	✓	✓	✓	✓	✓	—	—	—	—	—	—	—	—				
Engine power	2 HP					18 HP	13 HP	3.5 HP	23 HP	30 HP	7 HP	7 HP	7 HP	14 HP	15 HP			2 HP		5.6 HP	5.6 HP	5.8 HP	8 HP								
Engine capacity	63 cm³	79.7 cm³	120 cm³	149 cm³	233 cm³	688 cm³	762 cm³	98 cm³	1247 cm³	1326 cm³	210 cm³	208 cm³	210 cm³	420 cm³	420 cm³	79.7 cm³	122 cm³		124.6 cm³	212 cm³	212 cm³	196 cm³	270 cm³	301 cm³	389 cm³	389 cm³	389 cm³				
Engine type	2 stroke, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	SV690 - V-shaped, 2-cylinder, gasoline, air cooled	CP1105F, diesel engine with direct fuel injection, 1 cylinder, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	diesel engine with direct fuel injection, ZV95 - V-shaped, 2-cylinder, air cooled	diesel engine with direct fuel injection, ZV98 - V-shaped, 2-cylinder, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	170F, 1 cylinder, 4 stroke, gasoline, air cooled	1 cylinder, 4 stroke, gasoline, air cooled	190F, 1 cylinder, 4 stroke, gasoline, air cooled	Ratio R 80 1 cylinder, 4 stroke, gasoline, air cooled	Ratio R 120-Vi 1 cylinder, 4 stroke, gasoline, air cooled	2 stroke, air cooled	SY152F-3 1 cylinder, 4 stroke, gasoline, air cooled	Ratio R210 1 cylinder, 4 stroke, gasoline, air cooled	Ratio R210 1 cylinder, 4 stroke, gasoline, air cooled	Honda GX 200 1 cylinder, 4 stroke, gasoline, air cooled	Honda GX 270 1 cylinder, 4 stroke, gasoline, air cooled	Ratio R300 1 cylinder, 4 stroke, gasoline, air cooled	Honda GX 390 1 cylinder, 4 stroke, gasoline, air cooled	Honda GX 390 1 cylinder, 4 stroke, gasoline, air cooled	Honda GX 390 1 cylinder, 4 stroke, gasoline, air cooled				
Starting the engine	Manual	Manual	Manual	Manual	Starter or manual - The starter is controlled by the radio remote control or the ignition switch on the fuel valve	Electric - starter motor	Electric - starter motor	Manual	Electric - starter motor	Electric - starter motor	Manual	Manual	Manual	Starter or manual - electric start with the included remote control or keys	Starter or manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual				
Noise level during operation	• 92 dB (manufacturer data), • 85 dB (our tests result)	≈ 75 dBA	≈ 75 dBA	• 65 dB - 25% load • 75 dB - 100% load	75 dBA	96 dB	95 dB	92 dB	72 ... 78 dB	95 dB	92 dB	92 dB	• 92 dB (manufacturer data), • 89 dB (our tests result)	92 dB	• 96 dB (manufacturer data), • 97 dB (our tests result)	89 dB	89 dBA	68 dB	≈ 94 dBA	96 dB	96 dB	96 dB	96 dB	96 dB	97 dB	96 dB	96 dB				
Average fuel consumption	0.4 l/h			• 1 ... 0.9 l/h - 50 % power • 1.7 l/h - 100 % power	5.6 l/h	2.5 l/h	0.75 l/h - 50 % power	1.7 l/h	5 l/h		1.6 l/h	1.2 l/h	2.9 l/h - 100% load	3.3 l/h	• 0.67 l/h - 50 % power • 1.1 l/h - 100 % power	0.4 l/h	1.1 l/h - 50% load	1.4 l/h	1.4 l/h	1.4 l/h	2.2 l/h - 75 % power	2.2 l/h	2.7 l/h	2.7 l/h	2.7 l/h - 75 % power				
Fuel tank capacity	4 l	4 l	6 l	6 l	12 l	45 l	20 l	6 l	26 l	45 l	15 l	15 l	15 l	25 l	25 l	4 l	6.5 l	41	7.5 l	3.6 l	3.6 l	3.1 l	5.3 l	5.4 l	6.1 l	45 l	45 l				
Fuel gauge	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	—	—	✓	—	✓	✓				
Main features		• Low oil level indicator light • Overload signaling • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • 2 x USB socket • Save fuel by automatically reducing the revs as the load decreases	• Low oil level indicator light • Overload signaling • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • 2 x USB socket • Save fuel by automatically reducing the revs as the load decreases	• Low oil level indicator light • Overload signaling • Overload protection • Battery charging possible • Save fuel by automatically reducing the revs as the load decreases • USB output for charging / powering devices	• Low oil level indicator light • Overload signaling • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • 2 x USB socket • Save fuel by automatically reducing the revs as the load decreases	• Low oil level indicator light • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • High mobility of the device thanks to the attached wheels • 12V / 36Ah battery - included	• Low oil level indicator light • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • High mobility of the device thanks to the attached wheels • 12V / 36Ah battery - included		• Low oil level indicator light • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • Battery 12V/60Ah - included	• Low oil level indicator light • Overload protection • Display of operating parameters : voltage, frequency, engine hours since the engine was last started, total engine hours • 12V / 45Ah battery - included					• High mobility of the device thanks to the attached wheels • 12V / 9Ah battery - included		• Low oil level indicator light • Overload signaling • Overload protection • Battery charging possible • Save fuel by automatically reducing the revs as the load decreases • Possibility to combine two F-2001/IS power generators into one generator set	• Low oil level indicator light • Overload signaling • Overload protection • Battery charging possible • Save fuel by automatically reducing the revs as the load decreases • Possibility to combine two F-3001/IS power generators into one generator set					• Low oil level indicator light • Overload protection			• Working time with a full fuel tank : 2.25 h - 75 % power, • Low oil level indicator light	• Working time with a full fuel tank : 16.7 h - 75 % power, • Low oil level indicator light, • Silencer with exhaust gas hose connection	• Working time with a full fuel tank : 16.7 h - 75 % power, • Low oil level indicator light, • Overload protection, • Silencer with exhaust gas hose connection				
Color	Yellow + Black	Yellow + Black	Yellow + Black	Red	Orange	Black + Red	Black + Red	Red + Black	Red	Red + Black	Red	Yellow + Black	Black	Orange + Black	Red	Blue + Black	Green + Black			Black + White	White + Black	White + Black	White + Black		White + Black	White + Black	White + Black				
Weight	16.8 kg	18.7 kg	20.6 kg	23.2 kg	39.7 kg	170 kg	154 kg	27.08 kg	297 kg	270 kg	36.6 kg	42.5 kg	39.3 kg	80.8 kg	79.9 kg	21.1 kg	24 kg	16.5 kg	32.1 kg	36.5 kg	37 kg	36.5 kg	56 kg	53 kg	97.9 kg	86 kg	86.1 kg	5 kg	5.2 kg	5 kg	11 kg
Dimensions	380 x 320 x 320 mm	320 x 290 x 460 mm	320 x 290 x 460 mm	530 x 290 x 460 mm	600 x 300 x 450 mm	730 x 600 x 780 mm	785 x 530 x 680 mm	485 x 365 x 420 mm	1160 x 690 x 910 mm	985 x 745 x 815 mm	565 x 430 x 430 mm	590 x 440 x 455 mm	590 x 430 x 495 mm	750 x 650 x 620 mm	750 x 640 x 680 mm	698 x 290 x 459 mm	520 x 320 x 460 mm	380 x 310 x 315 mm	614 x 341 x 506 mm	580 x 395 x 405 mm	580 x 395 x 405 mm	580 x 395 x 405 mm	650 x 520 x 490 mm	600 x 530 x 490 mm	790 x 580 x 505 mm	790 x 600 x 653 mm	790 x 580 x 650 mm	360 x 251 x 152 mm	230 x 320 x 152 mm	250 x 320 x 152 mm	630 x 380 x 180 mm
Manufacturer / Brand	Dynamo	Dynamo	Dynamo	Dynamo	Dynamo	SENCI / Dynamo	SENCI / Dynamo	Dynamo	SENCI / Dynamo	SENCI / Dynamo	Dynamo	Dynamo	Dynamo	Dynamo	Dynamo	FOGO	FOGO	Kraft&Dele	Kraft&Dele	FOGO	FOGO	FOGO	FOGO	FOGO	FOGO	FOGO	FOGO	Dynamo	Dynamo	Dynamo	Dynamo
Guarantee	2 years	2 years	2 years	2 years	12 months	2 years	2 years	2 years	2 years	2 years	12 months	2 years	2 years	2 years	2 years	12 months	12 months	12 months	12 months	12 months	12 months	3 years - The condition is to conduct paid service every year - a warranty inspection at authorized Honda or FOGO service stations, otherwise 12 months	3 years - The condition is to conduct paid service every year - a warranty inspection at authorized Honda or FOGO service stations, otherwise 12 months	12 months	3 years - The condition is to conduct paid service every year - a warranty inspection at authorized Honda or FOGO service stations, otherwise 12 months	3 years - The condition is to conduct paid service every year - a warranty inspection at authorized Honda or FOGO service stations, otherwise 12 months	3 years - The condition is to conduct paid service every year - a warranty inspection at authorized Honda or FOGO service stations, otherwise 12 months	3 years	3 years	3 years	3 years

DELTA-OPTI Monika Matysiak / VAT:PL5251295225 / 60-713 Poznań, ul. Graniczna 10
Tel:+48 61 864 69 60 / GSM:+48 607 60 11 66 / Fax:+48 61 864 69 65 / e-mail: info@delta.poznan.pl
Monday-Friday: 8.00-19.00 / Saturday: 8.00-14.00