

1. AGRO INDUSTRIAL

Overview: Agro Industrial Products at Bonhoeffer Machines encompass a range of machinery and equipment designed to enhance agricultural productivity and efficiency. These products cater to various agro-industrial applications, including farming, harvesting, processing, and storage. Engineered for durability and performance, they support modern agricultural operations with advanced technology and reliable solutions.

1.1 Gasoline Generators

Overview: Gasoline Generators at Bonhoeffer Machines are designed to provide reliable and efficient power solutions for industrial, commercial, and residential applications. These generators ensure consistent performance, featuring robust construction, fuel efficiency, and easy operation. Ideal for backup power, outdoor work, and emergency situations, they deliver stable electricity output with minimal maintenance.

Model	Max Power (kW)	Rated Power (kW)	Engine (HP)	Voltage (V)	Frequency (Hz)	Fuel Tank (L)	Oil Capacity (ml)	Runtime @ 50% Load (hrs)	Start System
BON-P-GG-2.8KW	2.8	2.5	7	120 / 240	50 / 60	15	600	11.5	Retractable
BON-P-GG-3.7KW	3.7	3.3	8	120 / 240	50 / 60	15	600	10	Retractable
BON-P-GG-5.0KW	5.0	4.5	9	120 / 240	50 / 60	15	1100	7	Retractable
BON-P-GG-7.5KW	7.5	7.0	14	120 / 240	50 / 60	27	1100	8	Electric
BON-P-GG-9.0KW	9.0	8.5	16	120 / 240	50 / 60	27	1100	9	Electric
BON-P-GG-9.5KW	9.5	9.2	18.5	120 / 240	50 / 60	55	1400	12.5	Electric
BON-P-GG-12.0KW	12.0	11.0	20 (2-cyl)	120 / 240	50 / 60	55	1500	11.5	Electric

BON-P -GG-1 3.5KW	13.5	13.0	34 (2-cyl)	120 / 240	50 / 60	55	1500	9	Electric
BON-P -GG-1 6.0KW	16.0	15.0	34 (2-cyl)	120 / 240	50 / 60	55	1500	7.5	Electric
BON-P -GG-1 8.5KW	18.5	18.0	34 (2-cyl)	120 / 240	50 / 60	55	1500	7	Electric

Notes: All models feature 100% copper stator coils for enhanced conductivity and durability. OHV 4-stroke engines ensure reliable performance.

1.2 Gasoline Inverter Generators

Overview: Bonhoeffter Machines' Gasoline Inverter Generators are designed for efficient and stable power output, ensuring clean electricity with minimal harmonic distortion. Ideal for sensitive electronic devices, they offer fuel efficiency, quiet operation, and portability. Equipped with advanced inverter technology, they provide stable voltage and frequency, making them perfect for home backup, outdoor activities, and professional use. Their compact and lightweight design ensures easy transport and storage, while low fuel consumption makes them eco-friendly.

Model	Max Power (kW)	Engine (HP/cc)	Voltage (V)	Frequency (Hz)	Fuel Tank (L)	Oil Capacity (L)	Runtime @ 50% Load (hrs)	Start System	Noise Level (dB @ 7m)
BON-P-GI-1.8KW	1.8	3	120	50 / 60	4	0.5	7	Manual	-
BON-P-GI-2.1KW	2.1	- (79cc)	230 / 120	50 / 60	4	0.5	5.7	Manual	-
BON-P-GI-2.5KW	2.5	5	120	50 / 60	4.5	0.58	4.5	Manual (Opt. Electric)	≤ 72

BON-P-GI-2.9K W	2.9	5	120	50 / 60	4.5	0.58	4.2	Manual (Opt. Electric)	-
BON-P-GI-3.5K W	3.5	7.5	120	50 / 60	7.8	0.60	7.5	Manual (Opt. Electric)	-
BON-P-GI-3.8K W	3.8	7.5	120	50 / 60	7.8	0.60	7.5	Manual (Opt. Electric)	≤ 70
BON-P-GI-5.5K W	5.5	10	120	50 / 60	17.5	0.60	5.3	Electric	-
BON-P-GI-7.5K W	7.5	16	120	50 / 60	26	0.60	8	Electric	≤ 77

Notes: All models feature permanent magnet alternators for efficiency. Tested for durability (e.g., 500-hour operation, waterproofing, UV resistance). OHV air-cooled engines ensure reliable performance.

1.3 Gasoline Tillers

Overview: Bonhoeffer Machines' Gasoline Tillers are designed for efficient soil preparation, making them ideal for agriculture, gardening, and landscaping. These powerful machines help break up compact soil, mix nutrients, and prepare land for planting, ensuring optimal crop growth. Equipped with high-performance gasoline engines, they deliver strong torque and deep tillage capabilities while maintaining ease of use. Built for durability and efficiency, they feature adjustable tilling depths, sturdy blades, and ergonomic designs to enhance productivity.

Model	Engine (HP/cc)	Power (kW)	Tillage Width (mm)	Tillage Depth (mm)	Fuel Tank (L)	Oil Capacity (L)	Transmission
BON-D I-950	- / 418	5.8	-	-	6	1.65 (Engine), 3 (Trans)	Direct Clutch (2F+1R)

BON-G T-500B	3.5 / 149	2.7	-	-	1.1	0.5	Chain/Manual (2F)
BON-G T-500S	5 / -	-	300	80	1.2	0.5 (Engine), 0.15 (Gear)	Belt + Chain
BON-G T-900	- / -	-	950	100	-	-	All-Gear
BON-G T-950T	- / 208	5.22	-	-	2.5	1.6 (Trans)	Gear (2F+1R)
BON-G T-950C	- / -	-	1350	100	-	-	Shifter (-1,0,2,1)

Notes: OHV engines and front-tine cultivators ensure effective soil aeration. Recommended oil: SAE10W-30. Rotational speeds vary (e.g., 62-145 rpm for BON-DI-950, 0.1-0.3 m/s for BON-GT-950T).

1.4 Gasoline Water Pumps

Overview: Bonhoeffer Machines' Gasoline Water Pumps are designed for efficient water transfer in various applications such as irrigation, drainage, and emergency water removal. Powered by high-performance gasoline engines, these pumps offer reliable operation and high flow rates. Their portable and compact design makes them easy to transport and set up, while their durability ensures long-lasting performance. Perfect for agriculture, construction sites, and heavy-duty water pumping needs.

Model	Engine (HP)	Max Discharge (L/hr)	Suction/Discharge (in)	Total Head (m)	Suction Height (m)	Fuel Tank (L)	Start System
BON-P- WP1.0-3 1	2	8,000	1.0	29	7	0.5	Recoil
BON-P- WP1.5-7 9	2	13,000	1.5	15	6	-	Recoil
BON-P- WP2.0-1 49	5	30,000	2.0	25	6	1.2	Recoil

BON-P- WP2.0-1 96	6.5	36,000	2.0	32	8	-	Recoil
BON-P- WP3.0-1 96	6.5	55,000	3.0	30	7	-	Recoil
BON-P- WP4.0-2 72	9	105,000	4.0	25	6	-	Recoil
BON-P- WP1.5-2 24HL	8	15,000	1.5 (Multi Discharge)	75	7	2.6	Recoil
BON-P- WP6.0-4 20	14	150,000	6.0	20	5	6	Recoil
BON-P- WP2.0-2 24HL	8	18,000	2.0 (Multi Discharge)	80	7	2.6	Recoil
BON-P- WP2.0-4 20HL	14	30,000	2.0	95	7	6	Recoil
BON-P- WP3.0-4 20HL	14	45,000	3.0 (Multi Discharge)	75	7	6	Recoil
BON-P- WP2.0-1 96CH	6.5	35,000	2.0	30	7	2.6	Recoil
BON-P- WP2.0-1 96TR	6.5	35,000	2.0	30	6	2.6	Recoil
BON-P- WP3.0-1 96TR	6.5	55,000	3.0	25	6	2.6	Recoil

Notes: Features include self-priming, cast iron impellers/volutes, and silicon carbide seals. Recommended oil: SAE10W-30. HL = High Lift, CH = Chemical Pump, TR = Trash Pump. Compression ratio: 8.5:1 for most models.

1.5 Gasoline Engines

Overview: Bonhoeffer Machines' Gasoline Engines are designed to deliver high performance, reliability, and fuel efficiency across a wide range of applications. Built for durability and power, these engines are ideal for use in agricultural machinery, water pumps, tillers, and other heavy-duty equipment. Engineered with advanced technology, they ensure smooth operation, low maintenance, and long-lasting reliability. Perfect for both professional and personal use, they offer easy starting systems and optimal power output.

Model	Power (HP)	Displacement (cc)	Torque (Nm)	Fuel Tank (L)	Oil Capacity (ml)	Start System
BON-P-GE-3.0HP	3.0	-	3.7	1.2	500	Retractable
BON-P-GE-3.5HP	3.5	-	4.4	1.25	500	Retractable
BON-P-GE-5.0HP	5.0	-	7.2	1.2	500	Retractable
BON-P-GE-4.0HP	4.0	-	6.5	1.2	500	Retractable
BON-P-GE-7.0HP	7.0	208	11.5	4.2	600	Retractable
BON-P-GE-9.0HP	9.0	270	17.5	7.5	1100	Retractable
BON-P-GE-13.0HP	13.0	389	26.0	7.5	1100	Retractable
BON-P-GE-14.0HP	14.0	420	27.0	7.5	1100	Retractable
BON-P-GE-16.0HP	16.0	-	29.0	7.5	1100	Retractable
BON-P-GE-24.0HP	24.0	- (V-Twin)	47.0	7.5	1500	Electric
BON-P-GE-34.0HP	34.0	- (V-Twin)	71.0	7.5	2500	Electric

Notes: All are 4-stroke, air-cooled OHV engines. Recommended oil: SAE10W-30. Max power typically at 3900-4000 rpm.