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# GASOLINE GENERATORS



## Feature:

- 1、The start power of generator set is a qualified gasoline engine,insuring fuel burig effectively and economically.
- 2、Adopting several reliable measures for shock protection,with a small shock of the whole sets.
- 3、With a whole closed structure set,adopting light materials,small cubage and light weight.



● BN650  
● BN950

● BN1800

● BN1500

Specification	BN650		BN950		BN1500		BN1800	
Max. output power(W)	500	600	750	800	750	800	950	1000
Rated output power(W)	400	500	650	750	650	750	850	950
Rated rotation speed(rmp)	3000/3600							
Rated voltage(V)	115 230 120 240							
Rated Frequency(Hz)	50/60							
Phase	Single Phase							
DC output	12V×8.3A							
Voltage regulate	Condenser Type							
Power factor	1.0							
Continuous running time(hrs)	10		7.5		7		9	
Engine type	BN1E45F						BN154F	
Bore×stroke(mm)	45×40						54×38	
Displacement ( cm <sup>3</sup> )	63						87	
Compression Ratio	7:1						8.5:1	
Recommend power Output ( HP/rpm )	1.5/3600						2.8/3600	
Max Torque N.m/rpm	3.5/2800						4.2/2800	
Fuel	Gasoline							
Starting system	Recoil							
Oil capacity(L)	50:1						0.4	
Fuel tank capacity(L)	4						6	
Noise level(7M)	62							
Measurement(mm)	365×320×325		365×320×325		380×330×330		470×370×385	
N.W./G.W.(Kg)	14		15		16		25	



	Specification	BN1800B		BN2500B(L/E)		BN3000(L/E)		BN3500BE		BN6500BE	
		Generator	Max. output power(W)	950	1000	2800	3000	3500	3900	3500	3900
	Rated output power(W)	850	950	2600	2800	3000	3600	3000	3600	5000	5200
	Rated rotation speed(rmp)	3000/3600									
	Rated voltage(V)	115 230 120 240									
	Rated Frequency(Hz)	50/60									
	Phase	Single Phase									
	DC output	12V×8.3A									
	Voltage regulate	Condenser Type	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR	AVR
	Power factor	1.0									
	Continuous running time(hrs)	9	13	13	8	8					
	Engine type	BN154F	BN168F-1	BN170F	BN177F	BN188F					
	Bore×stroke(mm)	54×38	68×54	70×54	77×58	88×64					
	Displacement ( cm <sup>3</sup> )	87	196	207	270	389					
	Compression Ratio	8.5:1		8.5:1	8.2:1	8.0:1					
	Recommend power Output ( HP/rpm )	2.8/3600	6.5/3600	7.5/3600	9/3600	13/3600					
	Max Torque N.m/rpm	4.2/2800	13/2500	15/2500	19/2500	25.5/2500					
	Fuel	Gasoline									
	Starting system	Recoil	Recoil/Electric								
	Oil capacity(L)	0.4	0.65	0.65	1.1	1.1					
	Fuel tank capacity(L)	6	15	15	25	25					
	Noise level(7M)	62	67	67	72	76					
	Measurement(mm)	470×370×385	605×470×435	605×470×435	710×550×550	710×550×550					
	N.W./G.W.(Kg)	25	38	39	72	74.5					

	Specification	BN2500(E) BN2500-K(E)		BN3000(E) BN3000-K(E)		BN3500(E) BN3500-K(E)		BN4500(E) BN4500-K(E)		BN5500(E) BN5500-K(E)		BN6500(E) BN6500-K(E)					
		Generator	Max. output power(W)	2200	2500	2800	3000	3300	3600	3600	3800	4500	5000	5500	6000		
	Rated output power(W)	2000	2200	2500	2800	3000	3300	3300	3600	4000	4500	5000	5500				
	Rated rotation speed(rmp)	3000/3600															
	Rated voltage(V)	115 230 120 240															
	Rated Frequency(Hz)	50/60															
	Phase	Single Phase															
	DC output	12V×8.3A															
	Voltage regulate	AVR															
	Power factor	1.0															
	Continuous running time(hrs)	13				11				10				8			
	Engine type	BN168F	BN168F-1	BN173F	BN177F	BN182F	BN188F										
	Bore×stroke(mm)	68×45	68×54	73×58	77×58	82×64	88×64										
	Displacement ( cm <sup>3</sup> )	163	196	242	270	337	389										
	Compression Ratio	8.5:1	8.5:1	8.2:1	8.2:1	8.0:1	8.0:1										
	Recommend power Output ( HP/rpm )	5.5/3600	6.5/3600	8/3600	9/3600	11/3600	13/3600										
	Max Torque N.m/rpm	11/2500	13/2500	17/2500	19/2500	23.5/2500	25.5/2500										
	Fuel	Gasoline															
	Starting system	Recoil/Electric															
	Oil capacity(L)	0.6	0.65	1.1													
	Fuel tank capacity(L)	15	15	25													
	Noise level(7M)	67	67	68	69	72	76										
	Measurement(mm)	600×440×435	600×440×435	710×530×550	710×530×550	710×530×550	710×530×550										
	N.W./G.W.(Kg)	38	44	67.5	70	72	74.5										



● BN2900(E)



● BN4000(E) ● BN6000(E)  
● BN5000(E) ● BN7000(E)



● BN3000-3(E)  
● BN6500-3(E)



● BN3000-LPG  
● BN6500-LPG

	Specification	BN2900(E)		BN4000(E)		BN5000(E)		BN6000(E)		BN7000(E)	
Generator	Max. output power(W)	2200	2500	3300	3500	3800	3900	4300	4500	5500	5700
	Rated output power(W)	2000	2200	3000	3200	3500	3600	4000	4200	5000	5200
	Rated rotation speed(rmp)	3000/3600									
	Rated voltage(V)	115 230 120 240									
	Rated Frequency(Hz)	50/60									
	Phase	Single Phase									
	DC output	12V×8.3A									
	Voltage regulate	AVR									
	Power factor	1.0									
	Continuous running time(hrs)	13				11		10		8	
Engine	Engine type	BN168F		BN173F		BN177F		BN182F		BN188F	
	Bore×stroke(mm)	68×45		73×58		77×58		82×64		88×64	
	Displacement ( cm <sup>3</sup> )	163		242		270		337		389	
	Compression Ratio	8.5:1		8.2:1		8.2:1		8.0:1		8.0:1	
	Recommend power Output ( HP/rpm )	5.5/3600		8/3600		9/3600		11/3600		13/3600	
	Max Torque N.m/rpm	11/2500		17/2500		19/2500		23.5/2500		25.5/2500	
	Fuel	Gasoline									
	Starting system	Recoil/Electric									
	Oil capacity(L)	0.6				1.1					
	Fuel tank capacity(L)	15				25					
	Noise level(7M)	67		68		69		72		76	
	Packing Details	Measurement(mm)	600×440×435		710×530×550		710×530×550		710×530×550		710×530×550
N.W./G.W.(Kg)		38		67.5		70		72		74.5	

	Specification	BN3000-3(E)		BN6500-3(E)		BN3000-LPG		BN6500-LPG	
Generator	Max. output power(W)	3000		6000		2700		2800	
	Rated output power(W)	2700		5500		2400		2500	
	Rated rotation speed(rmp)	3000		3000		3000/3600		3000/3600	
	Rated voltage(V)	400/230		400/230		115.230.120/240		115.230.120/240	
	Rated Frequency(Hz)	50		50		50/60		50/60	
	Phase	Three Phase		Three Phase		Single Phase		Single Phase	
	DC output	12V×8.3A		12V×8.3A		12V×8.3A		12V×8.3A	
	Voltage regulate	AVR		AVR		AVR		AVR	
	Power factor	0.8		0.8		0.8		0.8	
	Continuous running time(hrs)	13		8		/		/	
Engine	Engine type	BN168F-1		BN188F		BN168F-1		BN188F	
	Bore×stroke(mm)	68×54		88×64		68×54		88×64	
	Displacement ( cm <sup>3</sup> )	196		389		196		389	
	Compression Ratio	8.5:1		8.0:1		8.5:1		8.0:1	
	Recommend power Output ( HP/rpm )	6.5/3600		13/3600		6.5/3600		13/3600	
	Max Torque N.m/rpm	13/2500		25.5/2500		13/2500		25.5/2500	
	Fuel	Gasoline				Gasoline			
	Starting system	Recoil/Electric				Recoil/Electric			
	Oil capacity(L)	0.65		1.1		0.65		1.1	
	Fuel tank capacity(L)	15		25		/		/	
	Noise level(7M)	67		76		67		76	
	Packing Details	Measurement(mm)	600×430×435		685×515×550		600×430×435		685×515×550
N.W./G.W.(Kg)		43		85		43		85	

**Feature:**

1. Adopt OHV engines.
2. Close in structure and convenient in operation.
3. Low noise, less oil consumption, light weight and large discharge.
4. No need power source, safe in using, being the ideal selection of agricultural irrigation and industrial-use water.



**GASOLINE WATER PUMP**

Type	WP10	WP15	WP20	WP30	WP40
Outlet Size(mm)	25	40	50	80	100
Inlet size(mm)	25	40	50	80	100
Speed (rpm)	6500	3600	3600	3600	3600
Displacement Q <sub>max</sub> (m <sup>3</sup> /h)	8	21	36	60	108
Lift H <sub>max</sub> (m)	20	20	26	28	28
Suction(m)	7	7	7	7	8
Engine Model	BN1E40F-5	BN154F	BN168F	BN168F	BN173F
Engine Type	Forced air-cooled 2-stroke	Forced air-cooled 4-stroke			
Bore×Stroke(mm)	40×34	54×38	68×45	68×45	73×58
Displacement(cm <sup>3</sup> )	43	87	163	163	242
Compression Ratio	7.7:1	7.7:1	8.5:1	8.5:1	8.2:1
Max Power Output(HP/rmp)	1.5/6500	2.8/3600	5.5/3600	5.5/3600	13/3600
Max Torque(N·m/rpm)	1.8/5000	4.2/2800	11/2500	11/2500	17/2500
Start Model	Recoil and hand-operated				
Air Cleaner	semi-dry	semi-dry	semi-dry	semi-dry	semi-dry
Fuel Tank Capacity (L)	1.2	1.6	3.6	3.6	6.0
Fuel Consumption(g/Kw.h)	≤610	≤450	≤450	≤450	≤392
Oil Capacity(L)	/	/	0.6	0.6	1.1
Packing Dimensions (mm)	390×300×340	450×345×360	480×385×415	505×385×460	620×445×555
N.W/G.W(Kg)	10	17.5	22.5	25	45

**AIR-COOLED  
DIESEL GENERATORS**



**Feature:**

- 1.With large capacity fuel tank, with fuel gauge .
- 2.Gensets with low oil pressure, over-voltage, over-loaded protection system, running safety and reliable.
- 3.Several control panel models:ATS,intelligent digital,normal panel or remote control panel.ect.for clients option.
- 4.Portable,beautiful shape, with wheel and handle.
- 5.Anti-shock design.
- 6.Single phase or three phase alternator for clients option.
- 7.The output power can be enlarged by fixed with engine BN186FA according to clients request.
- 8.ISO2000-9001,CE,GS approval.
- 9.The dimension is the outer size of the packages.



**OPEN FRAME AIR-COOLED DIESEL GENERATORS**

Model	BN2800DCE		BN3800DCE		BN5800DCE		BN5800DCE/E	BN5800DCE/B	BN5800DCE/C	BN5800DCE-3				
Engine model	BN170F/E		BN178F/E		BN186F/E						BN186FA/E			
Rated output power (Kw)	1.8	2	2.8	3.0	4.2	4.5	4.2	4.5	4.2	4.5	4.2	4.5	5.0	
Max output power (Kw)	2	2.2	3.0	3.2	4.5	5.0	4.5	5.0	4.5	5.0	4.5	5.0	5.5	
Rated frequency (Hz)	50	60	50	60	50	60	50	60	50	60	50	60	50	
Rated voltage (V)	230	240/120	230	240/120	230	240/120	230	240/120	230	240/120	230	240/120	400/230	
Rated current (A)	7.8	8.3/16.7	12.2	12.5/25	18.3	18.8/37.5	18.3	18.8/37.5	18.3	18.8/37.5	18.3	18.8/37.5	7.2/7.4	
Rated rotation speed (rpm)	3000/3600													
Bore×Stroke(mm)	70×55		78×62		86×70						86×72			
Compression ratio	20:1				19:1									
Lubrication system	Pressure splashed													
Fuel consumption (g/kw.h)	284	297	280	293	273/286						286			
Rotation direction	Clockwise													
Fuel type	(summer)0#; (winter)10#													
Lube oil type	SAE-10W30 (above DC grade)													
Power factor (cos φ)	1.0													
Phase number	Single phase										three Phase			
Structure type	Open-frame type													
Starting system	Recoil stater/Electric starter													
Fuel tank capacity (L)	13.5													
Lube capacity (L)	0.75		1.1		1.65						108			
Noise level (dBA)	105		108		110									
Net weight (kg)	48		65		104				108					
Gross weight (kg)	52		73		108				112					
Overall dimension (mm)	640 x 480 x 540		660 x 505 x 565		745x505x655									

**OPEN FRAME HIGH POWER AIR-COOLED DIESEL GENERATORS**

Model	BN12000DCE		BN12000DCE	
Engine model	BN290F/E			
Rated frequency (Hz)	50	60	50	60
Rated voltage (V)	230	240/120	400/230	400/230
Rated current (A)	43	50	19	21
Rated output power (Kw)	10	12	10	12
Max output power (Kw)	11	13	11	13
Type	2-cylinder/air-cooled/4-stroke/direct injection			
Bore×Stroke(mm)				90×75
Cylinder number	2			
Compression ratio	19:1			
Starting system	Recoil stater/Electric starter			
Rotation direction	Clockwise			
Fuel consumption (g/kw.h)	<200			
Oil consumption(g/kw.h)	2.6			
Displacement(cm3 )	0.954			
Lubrication system	Pressure splashed			
Rated rotation speed (rpm)	3000/3600			
Power factor (cos φ)	1		0.8	
Phase	Single phase		Three phase	
Structure type	/		/	
Fuel tank capacity (L)	60			
Oil capacity (L)	3			
Noise level (dB)	98			
Net weight (kg)	260			
Gross weight (kg)	270			
Overall dimension (mm)	1050×680×750			



### SILENT AIR-COOLED DIESEL GENERATORS

Model	BN3800DSE		BN5800DSE		BN5800DSE/ATS		BN5800-HA	
Engine model	BN178F/E		BN186F/E					
Rated output power (Kw)	2.8	3.2	4.2	4.5	4.2	4.5	4.2	4.5
Max output power (Kw)	3.0	3.5	4.5	5.0	4.5	5.0	4.5	5.0
Rated frequency (Hz)	50	60	50	60	50	60	50	60
Rated voltage (V)	230	240/120	230	240/120	230	240/120	230	240/120
Rated current (A)	12.2	13.8/27.5	18.3	18.8/37.5	18.3	18.8/37.5	18.3	18.8/37.5
Rated rotation speed (rpm)	3000/3600							
Bore×Stroke (mm)	78×62		86×70					
Compression ratio	20:1		19:1					
Lubrication system	Pressure splashed							
Fuel consumption (g/kw.h)	280	293	273/286					
Rotation direction	Clockwise							
Fuel type	(summer)0#; (winter)10#							
Lube oil type	SAE-10W30 (above DC grade)							
Power factor (cos φ)	1.0							
Phase number	Single phase							
Structure type	Silent type							
Starting system	Recoil stater/Electric starter							
Fuel tank capacity (L)	16							
Lube capacity (L)	1.1		1.65					
Noise level (dBA)	75							
Overall dimension (mm)	wooden chassis package : 960 x 560 x 830 / carton package : 960 x 560 x 760							
Net weight (kg)	135		165					

Remarks : the specification of the BN5800-HA according to the actual data.

### SILENT AIR-COOLED DIESEL GENERATORS

Model	BN5800DSE/B		BN5800DSE/D		BN5800DSE-3		BN5800DSE-3(B)
Engine model	BN186F/E						BN186FA/E
Rated output power (Kw)	4.2	4.5	4.2	4.5	4.2/1.4	4.5/1.5	4.2/3.0
Max output power (Kw)	4.5	5.0	4.5	5.0	4.5	5.0	5.0/3.3
Rated frequency (Hz)	50	60	50	60	50	60	50
Rated voltage (V)	230	240/120	230	240/120	400/230	420/240	400/230
Rated current (A)	18.3	18.8/37.5	18.3	18.8/37.5	6.1/6.1	6.2/6.3	6.1/13
Rated rotation speed (rpm)	3000/3600						3000
Bore×Stroke (mm)	86×70						86×72
Compression ratio	19:1						
Lubrication system	Pressure splashed						
Fuel consumption (g/kw.h)	273/286						286
Rotation direction	Clockwise						
Fuel type	(summer)0#; (winter)10#						
Lube oil type	SAE-10W30 (above DC grade)						
Power factor (cos φ)	1.0						
Phase number	Single phase			three phase			
Structure type	Silent type						
Starting system	Recoil stater/Electric starter						
Fuel tank capacity (L)	16						
Lube capacity (L)	1.65						
Noise level (dBA)	75						
Overall dimension (mm)	wooden chassis package : 960 x 560 x 830 / carton package : 960 x 560 x 760						960×560×830
Net weight (kg)	165						



● BN5800DSE/W

● BN5800DCE/W

**ELECTRIC WELDING AIR-COOLED DIESEL GENERATORS**

Model	BN5800DSE/W		BN5800DCE/W	
Engine model	BN186F/E	BN186F/E	BN186F/E	BN186F/E
Rated output power (KW)	2	2.2	2	2.2
Max.output power (KW)	2.2	2.4	2.2	2.4
Rated frequency (HZ)	50	60	50	60
Rated voltage (V)	230	240	230	240
Rated current (A)	8.7	8.2	8.7	8.2
Rated rotation speed (RPM)	3000	3600	3000	3600
Power factor (cosφ)	1			
Bore×Stroke (mm)	86×70			
Compression ratio	19 : 1			
Rotation direction	Clockwise			
Lubrication system	Pressure splashed			
Lube oil type	SAE-10W30 (above DC grade)			
Displacement (cc)	406			
Rated welding voltage ( V )	55-65			
Rated welding direct current ( A )	160			
Welding rated voltage ( V )	26			
Welding current adjustment scope ( A )	50-180			
Welding lasting load rate	40%			
Structure type	Silent type			
Starting system	Electric starter			
Fuel tank capacity(L)	16		13.5	
Oil capacity(L)		1.65		
Noise level (DB)	75		110	
Net weight (KG)	175		125	
Overall dimension (MM)	960×570×760		745×505×670	

**DIESEL WATER PUMPS**



● BN500DKB  
● BN800DKB  
● BN1000DKB

● BN1000DKB/A/E

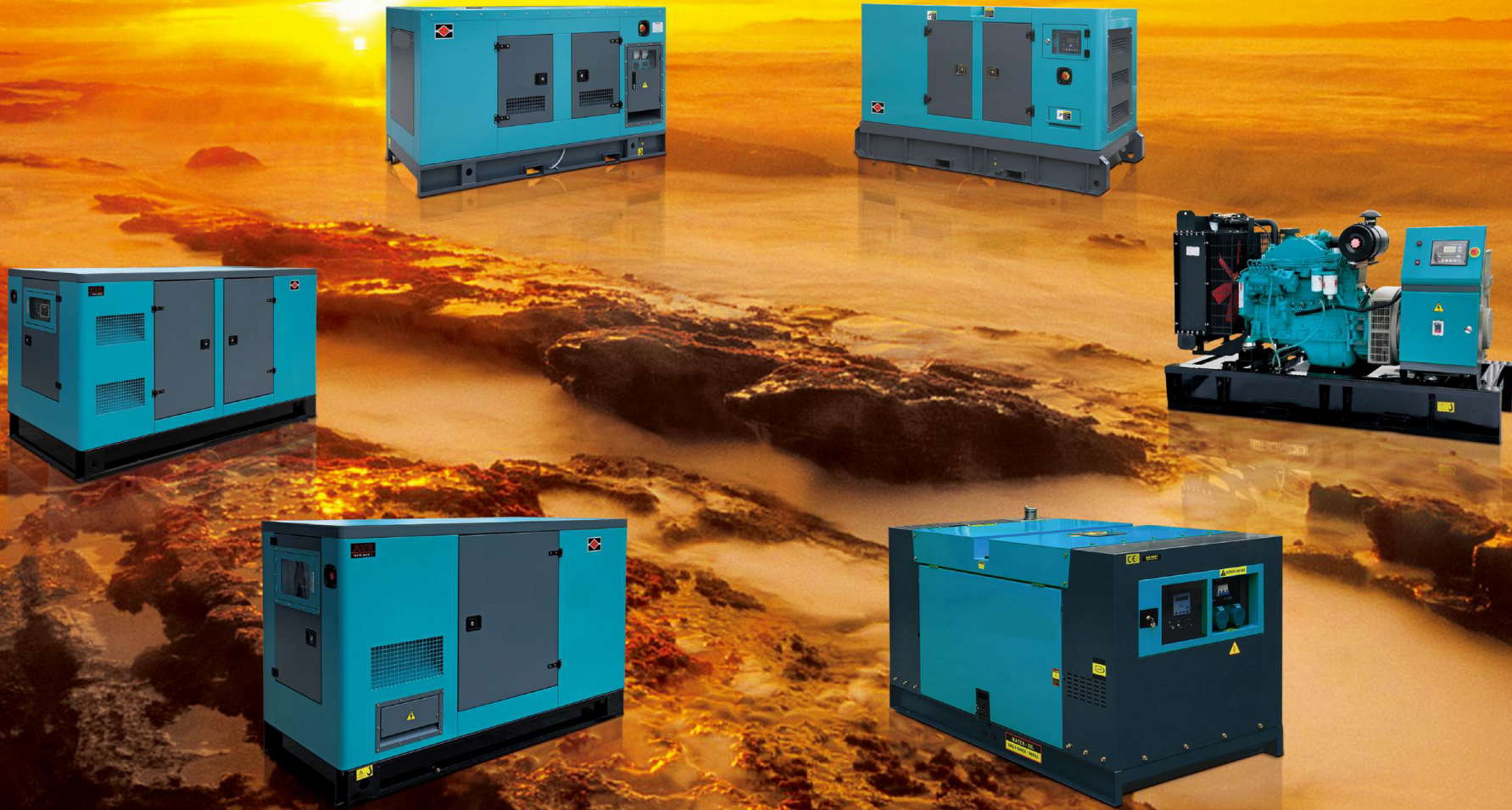
● BN400DHB  
● BN500DHB  
● BN800DHB

**DIESEL ENGINE SELF-PRIMING PUMP**

Model	BN500DKB	BN800DKB	BN100DKB	BN100DKB/A/E	BN400DHB	BN500DHB	BN800DHB
Suction/Discharge Port dia. (mm)	50 (2")	80 (3")	100 (4")	100 (4")	40 (1.5")	50 (2")	80 (3")
Capacity	Max.Capacity (m³/h)	36	50	96	13	26	38
	Cont.Capacity (m³/h)	22	36	64	10	22	34
Head	Max.Head (m)	26	25	31	35	55	36
	Cont.Head (m)	15	13	16	26	42	28
Self-priming Time (s/4m)	80	120	180	180	70	50	80
Max.Suction Head (m)	8				8		
Engine Model	BN170F/E	BN178F/E	BN186F/E	BN186F/E	BN178F/E	BN186F/E	BN186F/E
Rated power (Kw)	2.5	3.7	5.7	5.7	3.7/4	5.7/6.6	5.7/6.6
Bore x Stroke	70 x 55	78 x 62	86 x 70	86 x 70	78 x 62	86 x 70	86 x 70
Displacement (cc)	211	296	406	406	296	406	406
Compression ration	20:1		19:1	19:1	20:1	19:1	19:1
Fuel consumption (g/kw.h)	284	280	273	273	280	273	273
Fuel tank capacity (L)	2.5	3.5	5.5	5.5	3.5	5.5	5.5
Lube capacity (L)	0.75	1.1	1.65	1.65	1.1	1.65	1.65
Rotation direction	Clockwise				Clockwise		
Lubrication system	Pressure splashed				Pressure splashed		
Lube oil type	SAE-10W30 (above DC grade)				SAE-10W30 (above DC grade)		
Fuel type	(summer) 0#; (winter) 10#				(summer) 0#; (winter) 10#		
Starting system	Recoil starter/Electric starter				Recoil starter/Electric starter		
Engine Speed (r/min)	3000/3600				3000/3600		
N.W./G.W. (kg)	35/37	52/54	64/67	69/72	52/54	64/67	69/72
Dimension (LxWxH) (mm)	500x420x500	560x440x550	650x480x600	650x500x740	500x410x500	560x440x520	560x440x550



# WATER-COOLED DIESEL GENERATORS



brief introduction for water-cooled diesel generators, for the details, pls check the other relevant catalogs