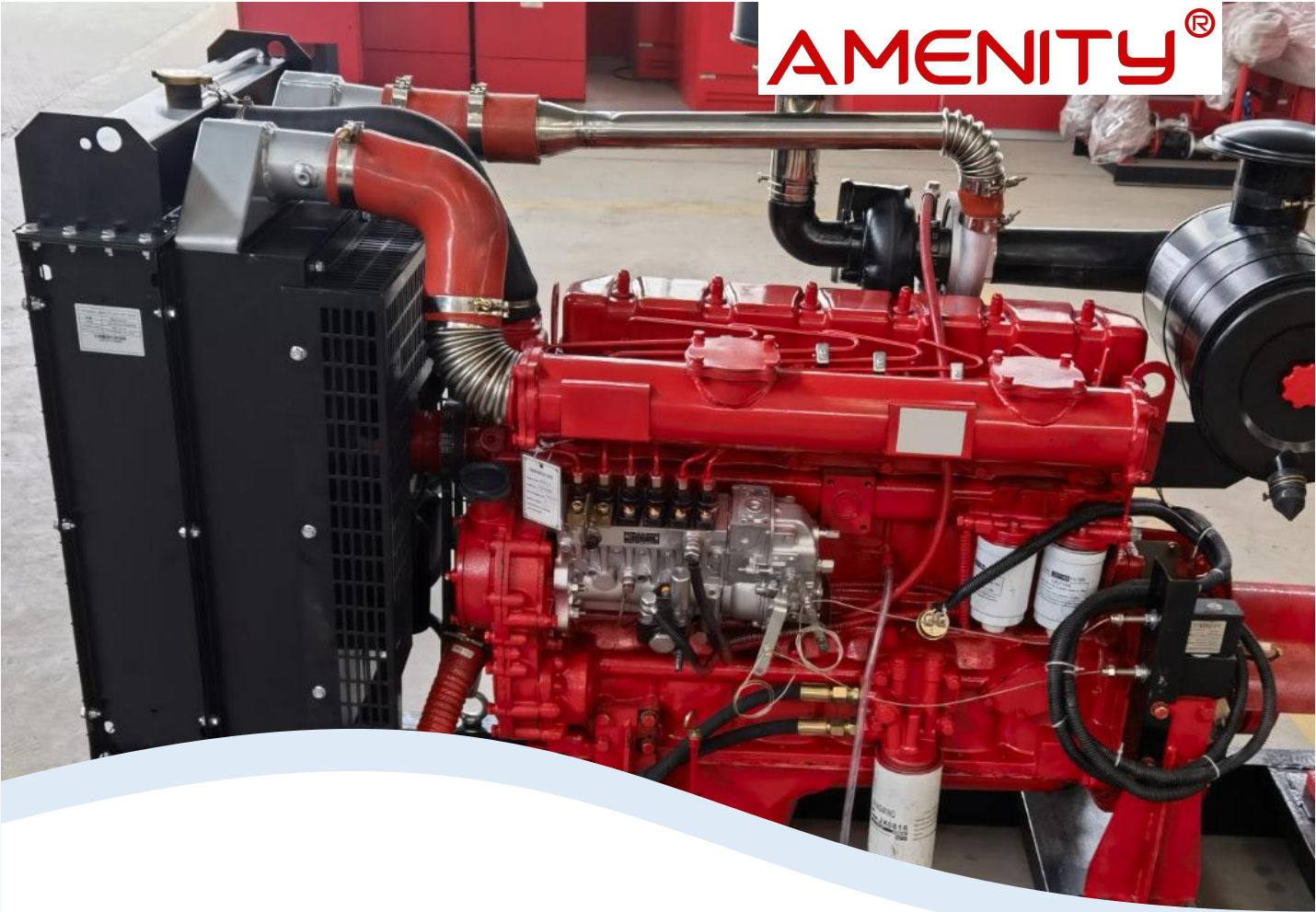




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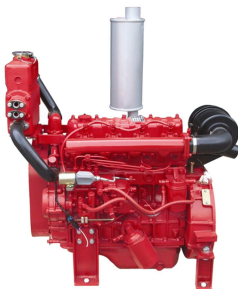
3000RPM

**HIGH SPEED DIESEL ENGINE
10HP-400HP**

3000RPM HIGH SPEED DIESEL ENGINE 27HP-400HP

For firefighting pump ,Radiator type /heat exchanger type

3000RPM-3600RPM PORTABLE FIREFIGHTING PUMP



2024 www.amenitypump.com



Established in 2013, Amenity diesel manufacturer is Chinese most successful diesel manufacturer. owns an annual production base of 100,000 sets of diesel engine .The products of amenity diesel engine have been exported to more than 100 countries and regions in Europe, USA, Asia, the Middle East, Africa, Oceania etc. and enjoy a good reputation in the domestic and foreign markets.

3000RPM high speed diesel engine ,with radiator type and heat exchanger type are our main product.

amenity diesel engine are manufactured using only the most durable components, and they feature patented, cutting-edge technology to make them one of the most reliable, trustworthy diesel engine on the market.

Throughout our journey, amenity has maintained a dedicated and enthusiastic team committed to advancing hydrodynamic technologies with reduced consumption. Our unwavering commitment to excellence extends to providing unparalleled customer service, aiming to achieve the highest satisfaction for domestic and international customers.

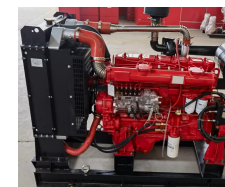




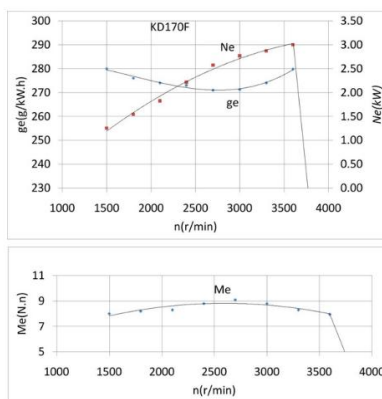
AIR-COOLED 1 SYLINDER DIESEL ENGINE 3000RPM 3600RPM								2SYLINDER
MODEL	170F/FE	178F/FE	186FA/FE	188FA/FE	192FA/FE	195F/FE	1100F	2V88
TYPE	Single-cylinder、Vertical、4-Stroke、Air-cooled、Diesel engine							2SYLINDER
Bore stroke(mm)	70*55	78*59	86*70	88*75	92*75	92*75	100*85	2-88*72
Displacement(ml)	211	296	406	456	498	532	667	875
Compression ratio	19:1					20:1		19:1
Rtaed speed(rpm)	3000/3600	3000/3600	3000/3600	3000/3600	3000/3600	3000/3600	3000/3600	3000/3600
Rated output(kw)	2.5/2.8	3.68/4	5.9/6.5	6.7/7.5	7.5/8.2	9.0/9.2	9.5/11	12.5/15
Rated output(HP)	3.3/3.7	4.9/4.3	7.9/8.7	9/10	10/11	10.7/12.3	12.7/15	17/20
Max.output(kw)	2.8/3.1	4.0/4.4	6.5/7.0	7.5/8.2	8.2/9.0	9.9/10.2	10.5/12	13.7/16.5
Max.output(HP)	3.7/4.1	5.3/5.9	8.7/9.3	10/11	11/12	13.2/13.6	14/16	18/22
Fuel consumption(G/KW.H)	<280							<280
Starting fashion	Manual / Electric						Electric	Electric
Fuel tank (L)	2.5L	3.5L	5.5L	5.5L	5.5L	5.5L	5.5L	
Oil capacity(L)	0.75L	1.1L	1.65L	1.7L	1.7L	1.7L	2.0L	3.0L
Fuel type	0#(summer) 10#(winter) diesel							
Oil type	10W/30SAE							
Continuous running time (h)	3h/2.5h	2.5h/2.0h	2.5h/2.0h	2.5h/2.0h	2.5h/2.0h	2.5h/2.0h	2.5h/2.0h	2.5h/2.0h
Dimension L*W*H(mm)	415*385*470	480*465*525	510*475*565	510*475*565	510*475*565	510*500*590	510*500*590	616*486*528
G.W (KG)	30	36	55	55	56	65	65	65



MODEL	380B	385B	480B	485B	490B	490BL	490BZ	4100B	4102B	4102BZ	4105B	4105BZ	4108B	4108BZ	4108BZL
Engine Type	3 Cylinders, Inline, 4-Stroke, Water-Cooling		4 Cylinders, Inline, Water-Cooling, 4-Stroke												
Air Intake Type	Natural Aspiration	Natural Aspiration	Natural Aspiration	Natural Aspiration	Natural Aspiration	Natural Aspiration	Turbo-charging	Natural Aspiration	Natural Aspiration	TURBO CHARGING	Natural Aspiration	TURBO CHARGING	Natural Aspiration	TURBO CHARGING	TURBO CHARGING
Firing Order	1-3-2	1-3-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Bore × Stroke mm	80×90	80×90	80×90	80×95	90×100	90×105	90×105	102×118	102×118	102×118	105×118	105×118	108×118	108×118	108×118
Piston Displacement L	1.357	1.532	1.8	2.27	2.54	2.672	2.672	3.857	3.857	3.857	4.087	4.087	4.324	4.324	4.324
Rated Power KW HP	20KW 27HP	26KW 35HP	28KW 38HP	36KW 49HP	42KW 56HP	45KW 60HP	55KW 75HP	55KW 75HP	63KW 84HP	75KW 100HP	68KW 91HP	76KW 102HP	78KW 105HP	85KW 113HP	90KW 120HP
Rated Speed r/min	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000
Compression Ratio	18 : 1	18 : 1	18 : 1	18 : 1	18 : 1	18 : 1	17.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1	17.5 : 1	17:1	17:1	17:1
Minimum BSFC at Full Load g/kwh	253	253	≤215	245	245	238	240	252	252	252	238	238	238	238	230
Rotation Direction of Crankshaft (Facing)	Anti-clockwise														
Lubrication Mode	Pressure Lubrication & Splash Lubrication														
Cooling Mode	Forced Circulation Water Cooling														
Starting Mode	Electric Starter														
Dimension Length × Width × Height mm	583×494×630	583×494×630	687×494×630	696×492×650	696×492×650	720×568×700	720×568×700	805×620×730	805×620×730	805×620×730	847×795×839	847×795×839	847×795×839	847×795×839	847×795×839
Net Weight kg	≤175KG	≤175KG	195KG	≤205KG	≤205KG	≤260KG	≤275KG	≤320KG	≤320KG	≤320KG	≤350KG	≤360KG	≤350KG	≤360KG	≤360KG

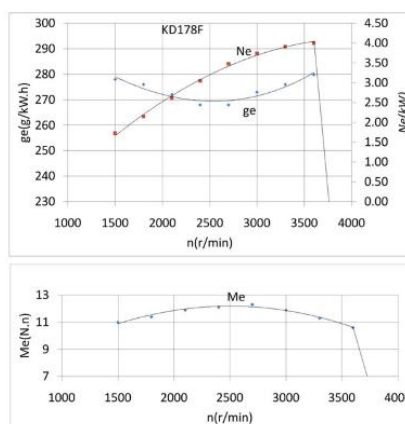


Model	6BD-G	6BD-Z	6BD-ZL
Power KW	97.5KW-110KW	113KW-125KW	135KW-150KW
POWER HP	130HP-150HP	150HP-168HP	180HP-200HP
Speed	3000rpm	3000rpm	3000rpm
Type	water cooled,4 strokes,inline		
Cylinder Number	6	6	6
Bore . Stroke (mm)	102*130	102*130	102*130
Displacement	6.75L	6.75L	6.75L
Aspiration Type	Turbocharged	Turbocharged	Turbocharged & Inter Cooled
Cooling type	forced water cooled by water pump and radiator		
Fuel Consumption (g/kw.h)	233	233	233
Exhaust temprature (°C)	≤600		
Oil consumption (g/kw.h)	≤1.68		
Start Voltage	24V	24V	24V
Mode of Speed regulation	Mechanical	Mechanical	Mechanical
Lubrication method	splash compound		
Crankshaft rotation direction	counterclock from flywheel side		
Flywheel Housing	high strength PTO shaft		
Standard Configuration	Radiator,Fan,Starter,Charge alternator,Air filter,Muffler,Stop Solenoid,PTO shaft,Fuel Tank(Optional),Meter Panel(Optional),Water Temperature Sensor and Oil Pressure Sensor (Optional)		



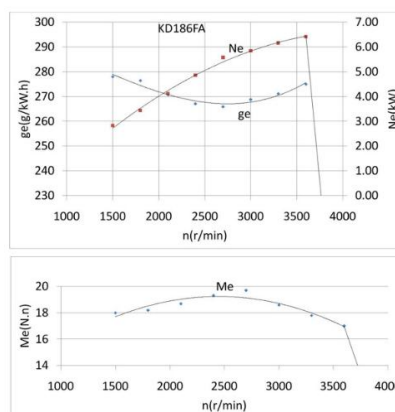
DATA-SHEET

Model	170F/FE	
Engine Type	1-Cylinder,4-Stroke,Air-cooled ,Veritcal	
Combustion System	Direct injection	
Broke * Stroke[mm]	70 * 55	
Displacement L	0.211L	
Compression Ratio	20:01	
Rated Speed[rpm]	3000	3600
Rated Power[Kw]	2.5	2.8
Rated Power [Hp]	3.4	3.8
Starting System	F: Recoil starter E: Electric starter	
Fuel Tank Capacity [L]	2.5	
Lube[L]	0.75	
Fuel Consumption[g/kwh]	275	280
Fuel	0#(summer), -10#(winter) Diesel oil	
Lube	SAE10W30 (above CD grade)	
Overall Diemension[mm] (L*W*H)	335*380*415	
N.W[Kg]	F:27	E:31
Rotation Direction(View from Flywheel)	Clockwise	



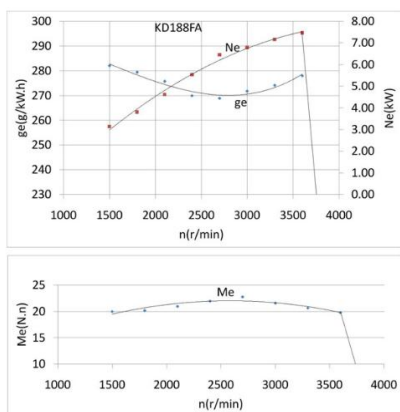
DATA-SHEET

Model	KD178F/FE
Engine Type	1-Cylinder,4-Stroke,Air-cooled ,Veritcal
Combustion System	Direct injection
Broke * Stroke[mm]	78 * 62
Displacement L	0.296L
Compression Ratio	20:01
Rated Speed[rpm]	3000 3600
Rated Power[Kw]	3.7 4.0
Rated Power[Hp]	5.0 5.4
Starting System	F: Recoil starter E: Electric starter
Fuel Tank Capacity[L]	3.5
Lube[L]	1.1
Fuel Consumption[g/kwh]	275 280
Fuel	0#(summer), -10#(winter) Diesel oil
Lube	SAE10W30 (above CD grade)
Overall Diemension[mm] (L*W*H)	383*421*450
N.W[Kg]	F: 33 E: 38
Rotation Direction(View from Flywheel)	Clockwise



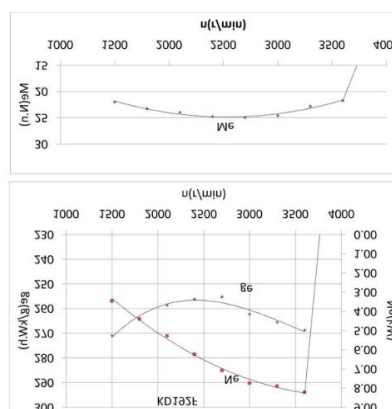
DATA-SHEET

Model	KD186FA/FAE	
Engine Type	1-Cylinder ,4-Stroke,Air-cooled ,Veritical	
Combustion System	Direct injection	
Broke * Stroke[mm]	86 * 72	
Displacement L	0.418L	
Compression Ratio	19.5: 1	
Rated Speed[rpm]	3000	3600
Rated Power[Kw]	5.8	6.6
Rated Power[Hp]	7.9	9.0
Starting System	F: Recoil starter E: Electric starter	
Fuel Tank Capacity[L]	5.5	
Lube[L]	1.65	
Fuel Consumption [g/kwh]	275	280
Fuel	0#(summer), -10#(winter) Diesel oil	
Lube	SAE10W30 (above CD grade)	
Overall Diemension [mm](L*W*H)	417*441*494	
N.W [Kg]	F: 48	E: 53
Rotation Direction(View from Flywheel)	Clockwise	



DATA-SHEET

Model	KD188FA/AE
Engine Type	1-Cylinder ,4-Stroke,Air-cooled ,Veritcal
Combustion System	Direct injection
Broke * Stroke[mm]	88 * 75
Displacement L	0.456L
Compression Ratio	19.5: 1
Rated Speed[rpm]	3000 3600
Rated Power[Kw]	6.6 6.9
Rated Power[Hp]	9.0 9.4
Starting System	F: Recoil starter E: Electric starter
Fuel Tank Capacity[L]	5.5
Lube[L]	1.65
Fuel Consumption[g/kwh]	275 280
Fuel	0#(summer), -10#(winter) Diesel oil
Lube	SAE10W30 (above CD grade)
Overall Diemension [mm] (L*W*H)	417*441*494
N.W[Kg]	F:48 E:53
Rotation Direction(View from Flywheel)	Clockwise



DATA-SHEET	
Model	KD192F/FE
Engine Type	1-Cylinder ,4-Stroke,Air-cooled ,Veritcal
Combustion System	Direct injection
Broke * Stroke[mm]	92 * 75
Displacement L	0.499L
Compression Ratio	19.5: 1
Rated Speed[rpm]	3000 3600
Rated Power[Kw]	7.6 8.6
Rated Power[Hp]	10.3 11.7
Starting System	F: Recoil starter E: Electric starter
Fuel Tank Capacity[L]	5.5
Lube[L]	1.65
Fuel Consumption[g/kwh]	275 280
Fuel	0#(summer), -10#(winter) Diesel oil
Lube	SAE10W30 (above CD grade)
Overall Diemension[mm](L*W*H)	417*441*494
N.W[Kg]	F:50 E:55
Rotation Direction(View from Flywheel)	Clockwise



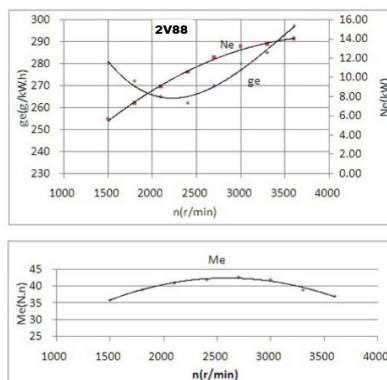
DATA-SHEET

Model	KD195F/FE
Engine Type	1-Cylinder ,4-Stroke,Air-cooled ,Veritical
Combustion System	Direct injection
Broke * Stroke[mm]	95 * 75
Displacement L	0.532L
Compression Ratio	20:01
Rated Speed[rpm]	3000 3600
Rated Power[Kw]	8.0 9.2
Rated Power[Hp]	10.7 12.3
Starting System	F: Recoil starter E: Electric starter
Fuel Tank Capacity[L]	5.5
Lube[L]	1.65
Fuel Consumption[g/kwh]	275 280
Fuel	0#(summer), -10#(winter) Diesel oil
Lube	SAE10W30 (above CD grade)
Overall Diemension[mm](L*W*H)	510*500*590
N.W[Kg]	F:52 E:57
Rotation Direction(View from Flywheel)	Clockwise



DATA-SHEET

Model	KD1100E
Engine Type	1-Cylinder ,4-Stroke,Air-cooled ,Veritical
Combustion System	Direct injection
Broke * Stroke[mm]	100 * 85
Displacement L	0.667L
Compression Ratio	20:01
Rated Speed[rpm]	3000 3600
Rated Power[Kw]	9.5 10.9
Rated Power[Hp]	12.7 15
Starting System	E: Electric starter
Fuel Tank Capacity[L]	5.5
Lube[L]	2
Fuel Consumption[g/kwh]	275 280
Fuel	0#(summer), -10#(winter) Diesel oil
Lube	SAE10W30 (above CD grade)
Overall Diemension[mm](L*W*H)	510*500*590
N.W[Kg]	65
Rotation Direction(View from Flywheel)	Clockwise



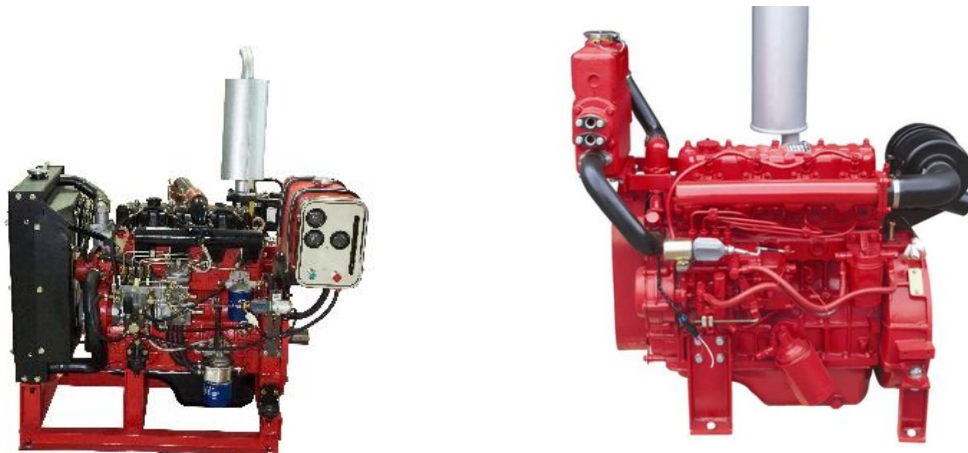
DATA-SHEET 2-Cylinder

Model	2V88
Engine Type	VType, 2-Cylinder, 4-Stroke, AIR-cooled
Broke * Stroke[mm]	2-88*72
Displacement[ML]	875
Compressed Ratio	19:01
Rated Speed[rpm]	3000RPM 12.5KW 17HP 3600RPM 14.5KW 20HP
Rated Power[Kw/rpm]	3000RPM 12.5KW 17HP 3600RPM 14.5KW 20HP
Starting System	Electric start
Lube Oil Capacity[L]	3L
Fuel	0#(summer), -10#(winter) diesel oil
Fuel consumption	<270
Lube	SAE10W30 (above CD grade)
Power-take-off	Crankshaft
Overall Diemension [mm](L*W*H)	616*486*528
Net Weight [Kg]	65



DATA-SHEET 3-Cylinder

Model	380B
Engine Type	3 Cylinders, Inline, 4-Stroke, Water-Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	2001/3/2
Bore × Stroke mm	80×90
Piston Displacement L	1.357
Rated Power KW HP	20KW 27HP
Rated Speed r/min	3000
Compression Ratio	18 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	253
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	582.7×494×630.5MM
Net Weight kg	≤175KG

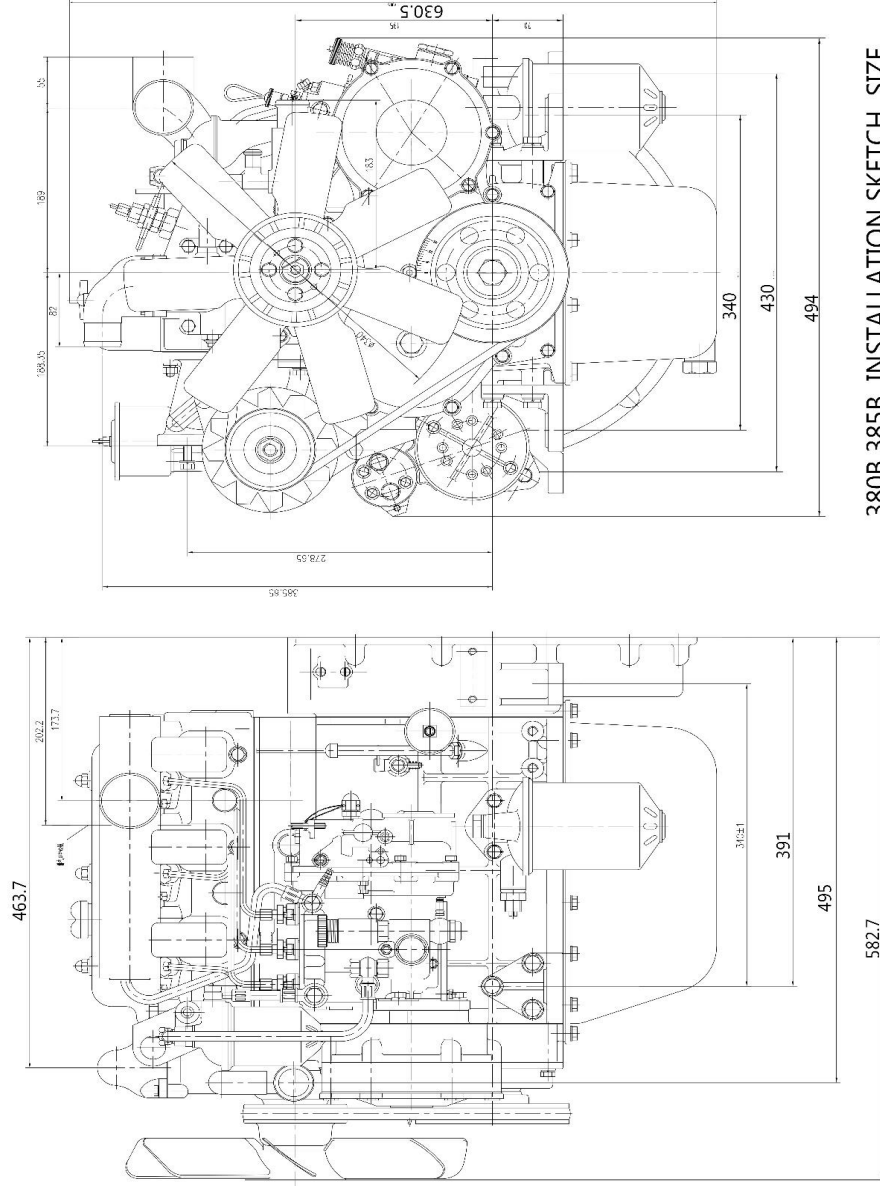


DATA-SHEET 3-Cylinder

Model	385B
Engine Type	3 Cylinders, Inline, 4-Stroke, Water-Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	2001/3/2
Bore × Stroke mm	85×90
Piston Displacement L	1.532
Rated Power KW HP	26KW 35HP
Rated Speed r/min	3000
Compression Ratio	18 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	253
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	582.7×494×630.5MM
Net Weight kg	≤175KG



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380B 385B INSTALLATION SKETCH SIZE

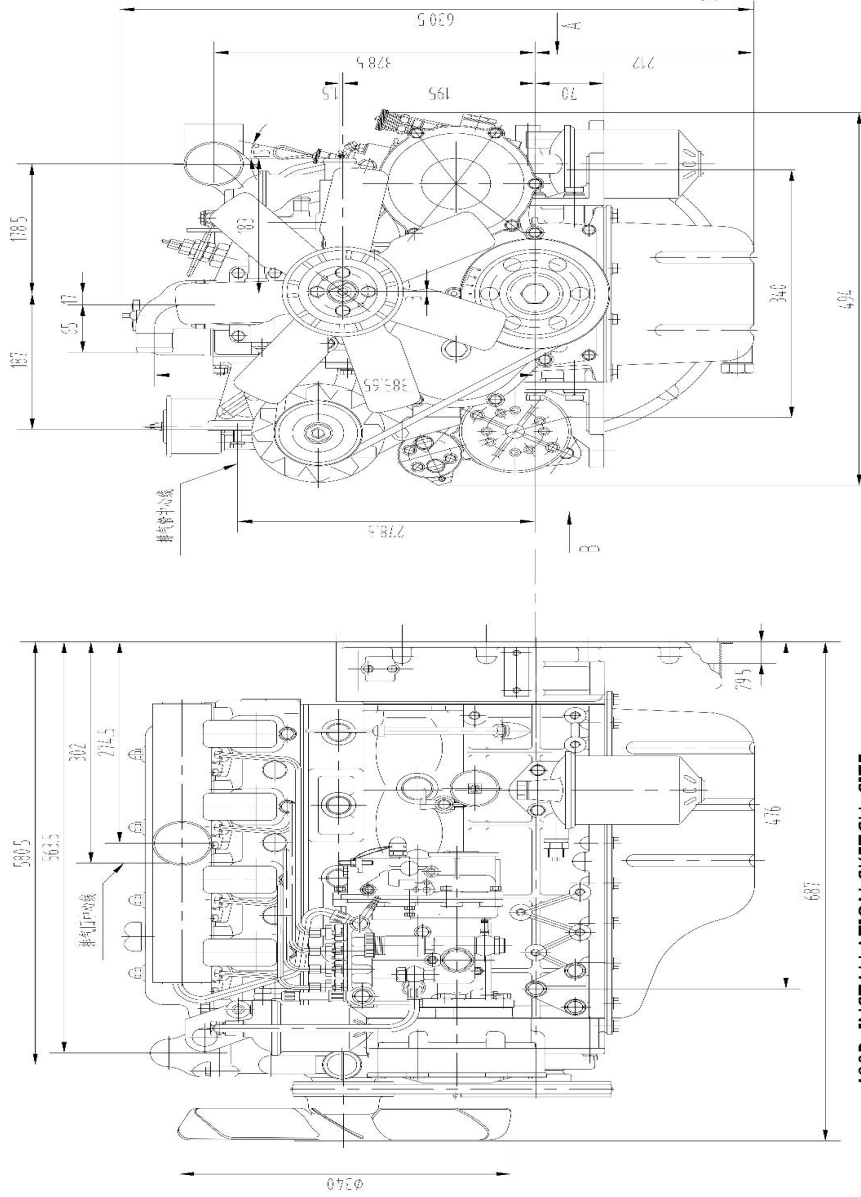


DATA-SHEET 4-Cylinder

Model	480B
Engine Type	4 Cylinders, Inline, Water-Cooling, 4-Stroke,
Bore × Stroke mm	80×90
Cylinder Cover Type	Dry
Piston Displacement L	1.8
Compression Ratio	18 : 1
Air Intake Type	Natural Aspiration
Minimum Idling Stable Rotation r/min	750±30
Stable Adjustment Rate %	≤5
Rated Power KW HP	28KW 38HP
Rated Speed r/min	3000
Minimum BSFC at Full Load g/kwh	≤215
Consumption Rate of Oil and Fuel %	≤0.5
Working Sequence of Cylinders	1—3—4—2
Rotation Direction of Crankshaft	Anti-clockwise (from the behind of the diesel engine)
Lubrication Mode	Pressure and Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	687×494×630MM
Net Weight kg	195KG



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480B INSTALLATION SKETCH SIZE



DATA-SHEET 4-Cylinder

Model	485B
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	85×95
Piston Displacement L	2.27
Rated Power KW HP	36KW 49HP
Rated Speed r/min	3000
Compression Ratio	18 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	245
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication and Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	696×492×650MM
Net Weight kg	≤205KG



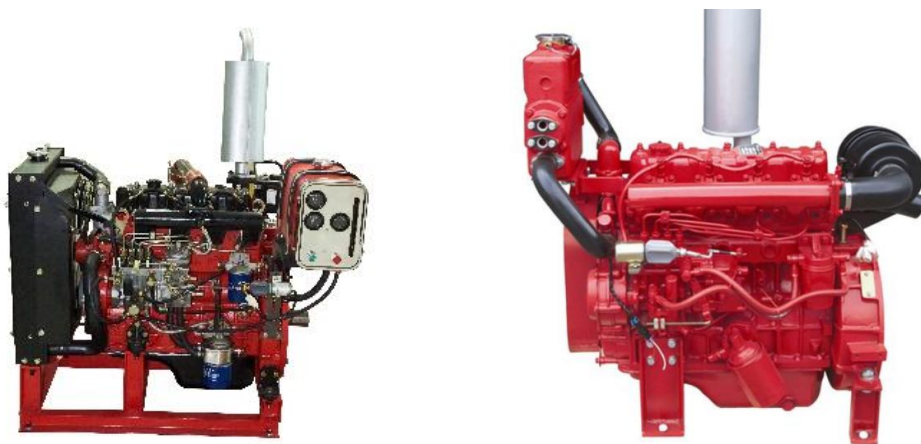
DATA-SHEET 4-Cylinder

Model	490B
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	90×100
Piston Displacement L	2.54
Rated Power KW HP	42KW 56HP
Rated Speed r/min	3000
Compression Ratio	18 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	245
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication and Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	696×492×650MM
Net Weight kg	≤205KG



DATA-SHEET 4-Cylinder

Model	490BL
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	90×105
Piston Displacement L	2.672
Rated Power KW HP	45KW 60HP
Rated Speed r/min	3000
Compression Ratio	18 : 1
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	238
Consumption Rate of Oil and Fuel %	≤0.5
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	720×568×700
Net Weight kg	≤260KG

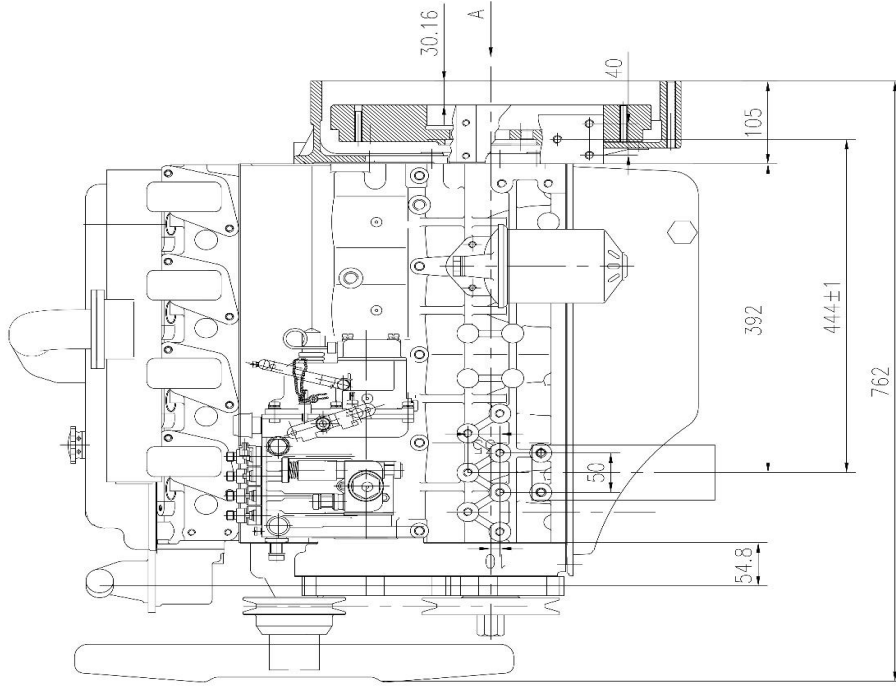
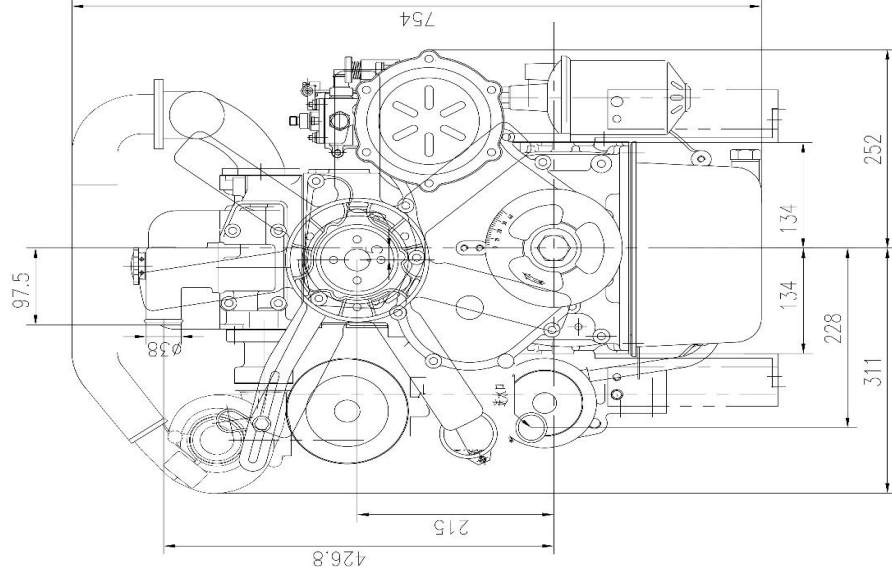


DATA-SHEET 4-Cylinder

Model	490BZ
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct
Air Intake Type	Turbo-charging
Firing Order	1-3-4-2
Bore × Stroke mm	90×105
Piston Displacement L	2.672
Rated Power KW HP	55KW 75HP
Rated Speed r/min	3000
Compression Ratio	17.5 : 1
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	240
Consumption Rate of Oil and Fuel %	≤0.5
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	720×568×700MM
Net Weight kg	≤275KG



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490BZ INSTALLATION SKETCH SIZE



DATA-SHEET 4-Cylinder

Model	4100B
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	102x118
Piston Displacement L	3.857
Rated Power KW HP	55KW 75HP
Rated Speed r/min	3000
Compression Ratio	17.5 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	252
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	805×620×730MM
Net Weight kg	≤320KG



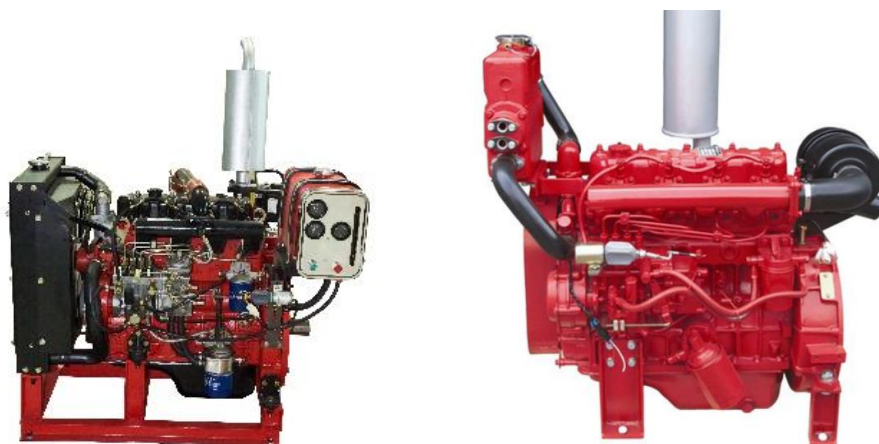
DATA-SHEET 4-Cylinder

Model	4102B
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	102x118
Piston Displacement L	3.857
Rated Power KW HP	63KW 84HP
Rated Speed r/min	3000
Compression Ratio	17.5 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	252
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width × Height mm	805×620×730MM
Net Weight kg	≤320KG



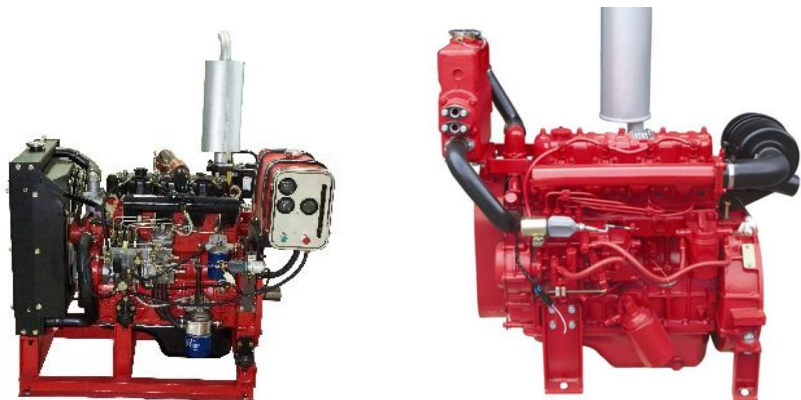
DATA-SHEET 4-Cylinder

Model	4102BZ
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Turbo charging
Firing Order	1-3-4-2
Bore × Stroke mm	102x118
Piston Displacement L	3.857
Rated Power KW HP	75KW 100HP
Rated Speed r/min	3000
Compression Ratio	17.5 : 1
Minimum Idling Stable Rotation r/min	≤800
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	252
Consumption Rate of Oil and Fuel %	1
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width × Height mm	805×620×730MM
Net Weight kg	≤320KG



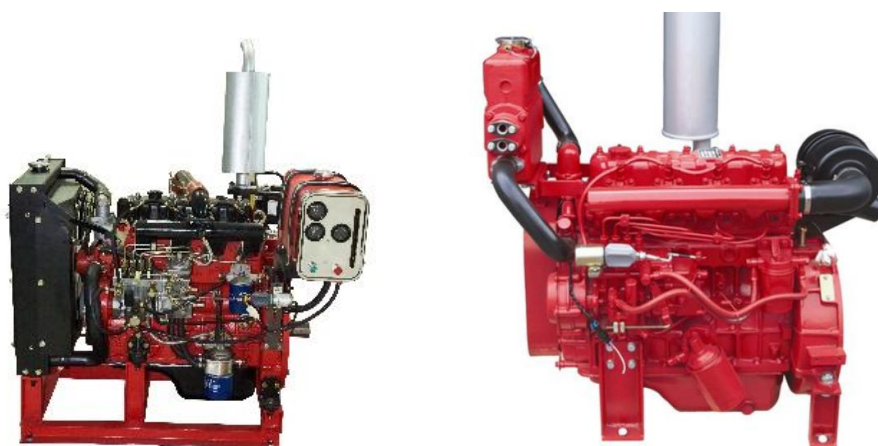
DATA-SHEET 4-Cylinder

Model	4105B
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	105×118
Piston Displacement L	4.087
Rated Power KW HP	68KW 91HP
Rated Speed r/min	3000
Compression Ratio	17.5 : 1
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	238
Consumption Rate of Oil and Fuel %	2
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	847×795×839MM
Net Weight kg	≤350KG



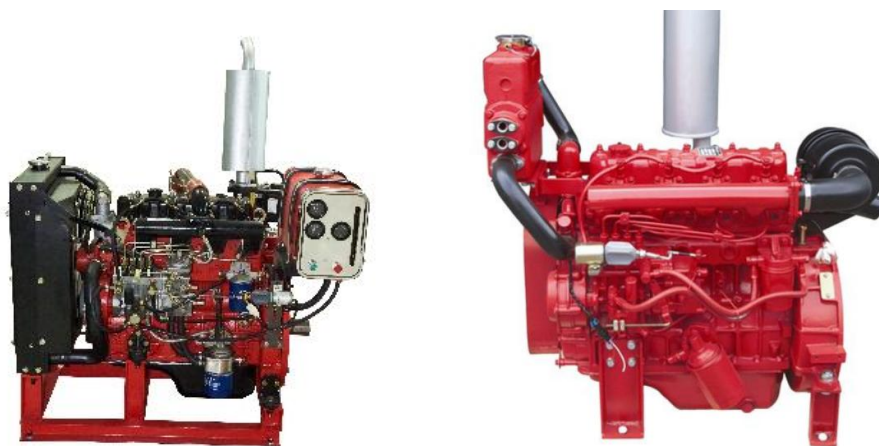
DATA-SHEET 4-Cylinder

Model	4105BZ
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct
Air Intake Type	Turbo charging
Firing Order	1-3-4-2
Bore × Stroke mm	105×118MM
Piston Displacement L	4.087
Rated Power KW HP	75KW 100HP
Rated Speed r/min	3000
Compression Ratio	17.5 : 1
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	238
Consumption Rate of Oil and Fuel %	2
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	847×795×839MM
Net Weight kg	≤360KG



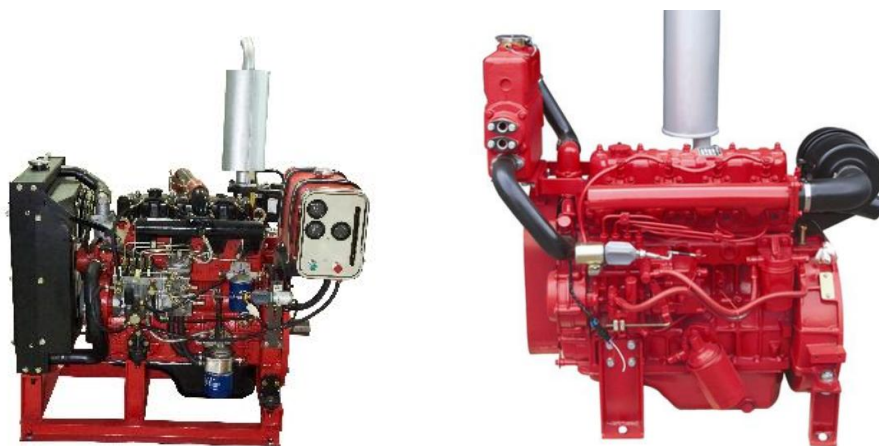
DATA-SHEET 4-Cylinder

Model	4108B
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Natural Aspiration
Firing Order	1-3-4-2
Bore × Stroke mm	108×118
Piston Displacement L	4.324
Rated Power KW	75KW 105HP-110HP
Rated Speed r/min	3000
Compression Ratio	17:01
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	238
Consumption Rate of Oil and Fuel %	2
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	847×795×839MM
Net Weight kg	≤350KG



DATA-SHEET 4-Cylinder

Model	4108BZ
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct Injection
Air Intake Type	Turbo charging
Firing Order	1-3-4-2
Bore × Stroke mm	108×118
Piston Displacement L	4.324
Rated Power KW	85KW 113HP
Rated Speed r/min	3000
Compression Ratio	17:01
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	238
Consumption Rate of Oil and Fuel %	2
Rotation Direction of Crankshaft (Facing Flywheel)	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	847×795×839mm
Net Weight kg	≤360KG

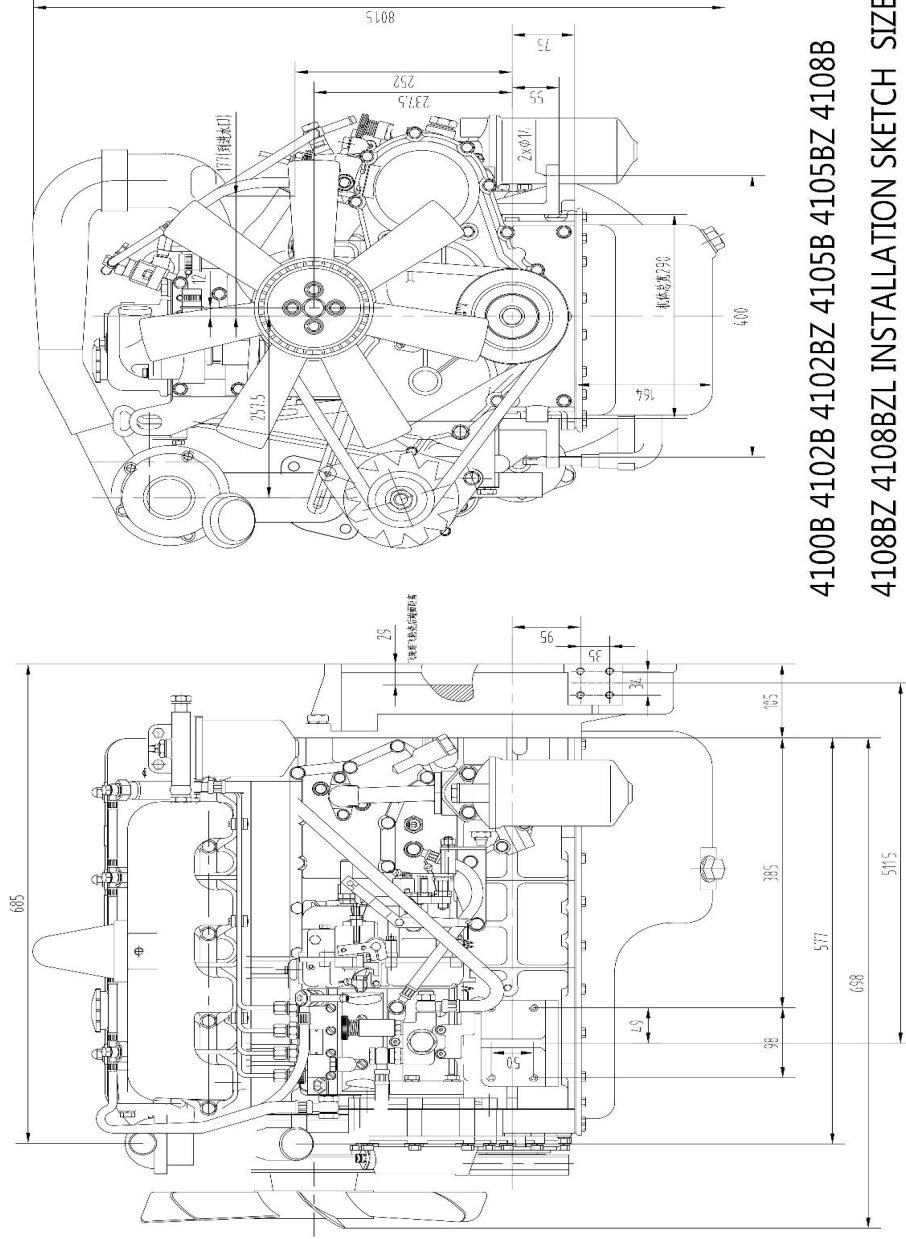


DATA-SHEET 4-Cylinder

Model	4108BZL
Engine Type	4 Cylinders, Inline, 4-Stroke, Water Cooling, Direct
Air Intake Type	Turbo charging
Firing Order	1-3-4-2
Bore × Stroke mm	108×118
Piston Displacement L	4.324
Rated Power KW HP	90KW 120HP
Rated Speed r/min	3000
Compression Ratio	17:01
Minimum Idling Stable Rotation r/min	≤750
Stable Adjustment Rate %	≤5
Minimum BSFC at Full Load g/kwh	230
Consumption Rate of Oil and Fuel %	2
Rotation Direction of Crankshaft (Facing	Anti-clockwise
Lubrication Mode	Pressure Lubrication & Splash Lubrication
Cooling Mode	Forced Circulation Water Cooling
Starting Mode	Electric Starter
Dimension Length × Width ×Height mm	847×795×839MM
Net Weight kg	≤360KG

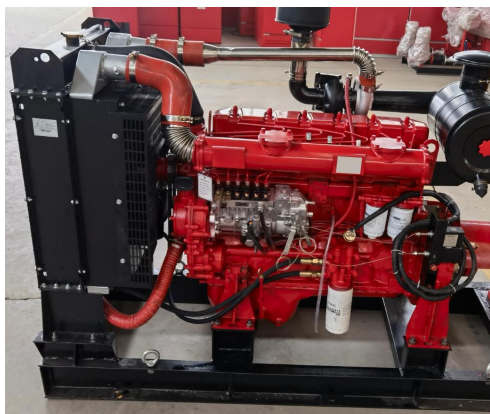


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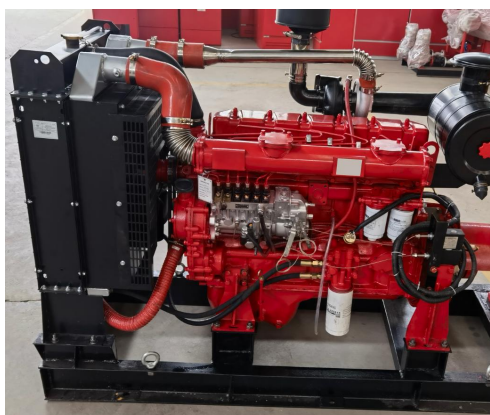
4100B 4102B 4102BZ 4105B 4105BZ 4108B

4108BZ 4108BZL INSTALLATION SKETCH SIZE



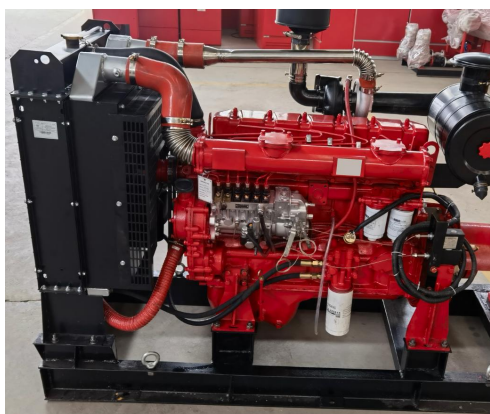
DATA-SHEET 6-Cylinder

Engine Model	6BD-G
Power KW	97.5KW-110KW
POWER HP	130HP-150HP
Speed	3000rpm
Type	water cooled,4 strokes,inline
Cylinder Number	6
Bore . Stroke (mm)	102*130
Displacement	6.75L
Aspiration Type	Turbocharged
Cooling type	forced water cooled by water pump and radiator
Fuel Consumption (g/kw.h)	233
Exhaust temprature (°C)	<600
Oil consumption (g/kw.h)	<1.68
Start Voltage	24V
Mode of Speed regulation	Mechanical
Lubrication method	splash compound
Crankshaft rotation direction	counterclock from flywheel side
Flywheel Housing	high strength PTO shaft
Standard Configuration	Radiator.Fan.Starter.Charge alternator.Air



DATA-SHEET 6-Cylinder

Engine Model	6BD-Z
Power KW	113KW-125KW
POWER HP	150HP-168HP
Speed	3000rpm
Type	water cooled,4 strokes,inline
Cylinder Number	6
Bore . Stroke (mm)	102*130
Displacement	6.75L
Aspiration Type	Turbocharged
Cooling type	forced water cooled by water pump and radiator
Fuel Consumption (g/kw.h)	233
Exhaust temprature (°C)	<600
Oil consumption (g/kw.h)	<1.68
Start Voltage	24V
Mode of Speed regulation	Mechanical
Lubrication method	splash compound
Crankshaft rotation direction	counterclock from flywheel side
Flywheel Housing	high strength PTO shaft
Standard Configuration	Radiator.Fan.Starter.Charge alternator.Air



DATA-SHEET 6-Cylinder

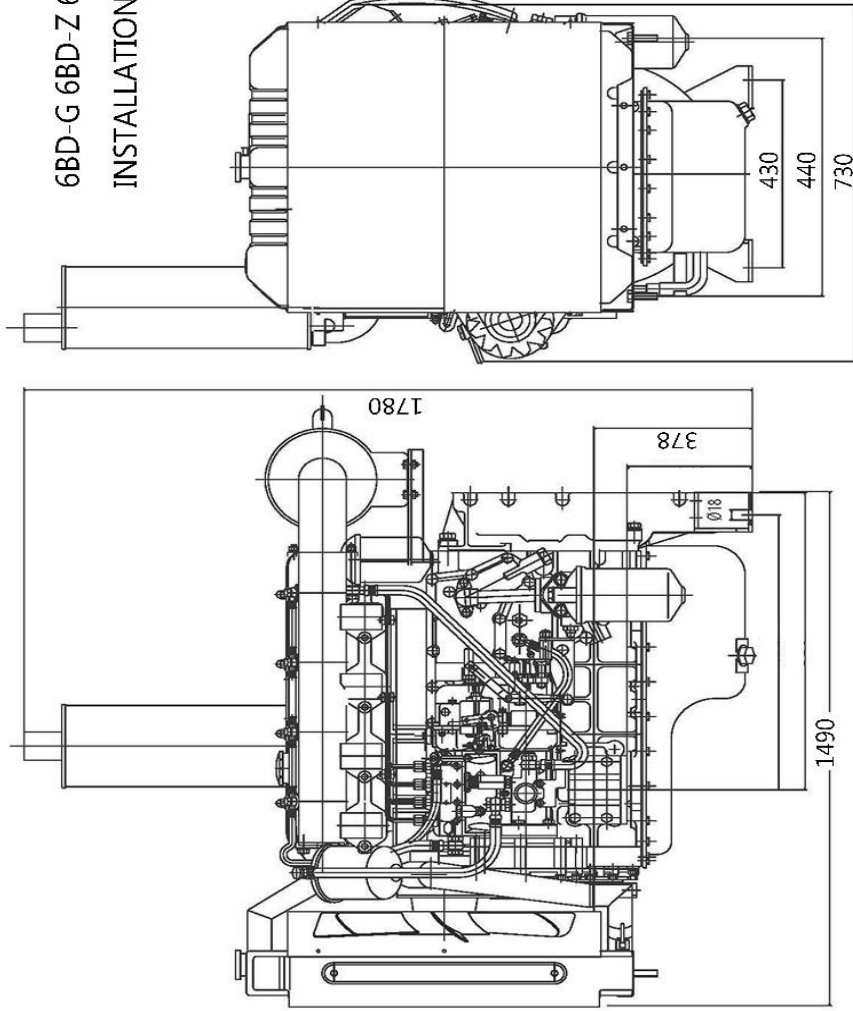
Engine Model	6BD-ZL
Power KW	135KW-150KW
POWER HP	180HP-200HP
Speed	3000rpm
Type	water cooled,4 strokes,inline
Cylinder Number	6
Bore . Stroke (mm)	102*130
Displacement	6.75L
Aspiration Type	Turbocharged & Inter Cooled
Cooling type	forced water cooled by water pump and radiator
Fuel Consumption (g/kw.h)	233
Exhaust temprature (°C)	<600
Oil consumption (g/kw.h)	<1.68
Start Voltage	24V
Mode of Speed regulation	Mechanical
Lubrication method	splash compound
Crankshaft rotation direction	counterclock from flywheel side
Flywheel Housing	high strength PTO shaft
Standard Configuration	Radiator.Fan.Starter.Charge alternator.Air



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6BD-G 6BD-Z 6BD-ZL

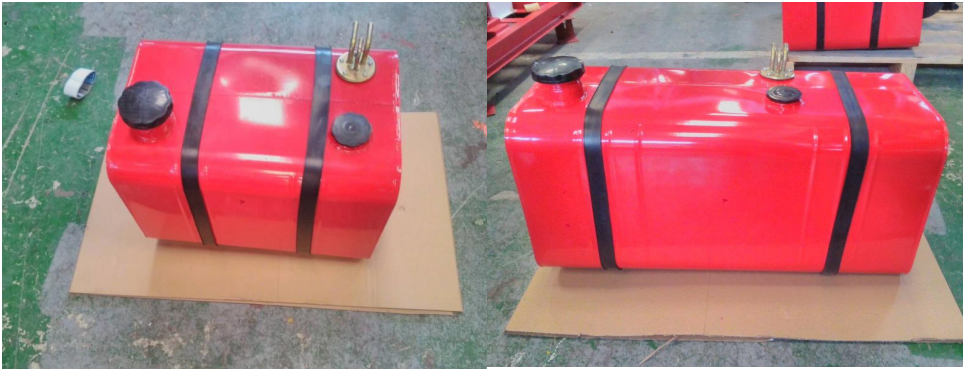
INSTALLATION SKETCH SIZE





BATTERY CHOOSE

1-CYLINDER SERIES AIR-COOLING 3000RPM 3600RPM			
SERIES	MODEL	POWER	
1	170F/FE	3.4HP 3000RPM 3.8HP 3600RPM	24Ah 1 piece battery
2	178F/FE	5HP 3000RPM 5.4HP 3600RPM	24Ah 1 piece battery
3	186FA/FAE	7.9HP 3000RPM 9HP 3600RPM	30Ah 1 piece battery
4	188FA/FAE	9HP 3000RPM 9.4HP 3600RPM	30Ah 1 piece battery
5	192FA/FAE	10.3HP 3000RPM 11.7HP 3600RPM	36Ah 1 piece battery
6	195F/FE	10.7HP 3000RPM 12.3HP 3600RPM	36Ah 1 piece battery
7	1100F	12.7HP 3000RPM 14.9HP 3600RPM	36Ah 1 piece battery
2- CYLINDER SERIES WATER-COOLING AIR-COOLING 3000RPM 3600RPM			
8	2V80	16.3HP 3000RPM 19HP 3600RPM	36Ah 1 piece battery
9	2V80 B	19HP 3000RPM 20.4HP 3600RPM	36Ah 1 piece battery
3- 4CYLINDER SERIES WATER-COOLING 3000RPM (radiator)			
10	380B	27HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
11	385B	32HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
12	480B	37HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
13	485B	48HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
14	490B	56HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
15	490BL	60HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
16	490BZ	75HP 3000RPM TURBO CHARGING	120Ah 1 piece battery
17	4100B	75HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
18	4102B	87HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
19	4102BZ	99HP 3000RPM TURBO CHARGING	120Ah 1 piece battery
20	4105B	95HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
21	4105BZ	102HP 3000RPM TURBO CHARGING	120Ah 1 piece battery
22	4108B	110HP 3000RPM NATURAL ASPIRATED	120Ah 1 piece battery
23	4108BZ	113HP 3000RPM TURBO CHARGING	120Ah 1 piece battery
24	4108BZL	120HP 3000RPM TURBO CHARGING	120Ah 1 piece battery
6- CYLINDER SERIES WATER-COOLING 3000RPM (radiator)			
25	6BD-G	148HP 3000RPM NATURAL ASPIRATED	135Ah 2 pcs battery
26	6BD-Z	168HP 3000RPM TURBO CHARGING	135Ah 2 pcs battery
27	6BD-ZL	222HP 3000RPM TURBO CHARGING	135Ah 2 pcs battery



FUEL TANK

Capacity	outside size (cm)	material	sheet thickness
50L	32*34*52	DC01Cold-rolled steel sheet	1.5MM
70L	32*34*72	DC01Cold-rolled steel sheet	1.5MM
100L	32*34*102	DC01Cold-rolled steel sheet	1.5MM



12V 24V WOODWARD SOLENOID



Temperature sensor



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