



## ENGINE FOR PUMPS

# 2021



# Yeschamp

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**10 +**

More than 10 years  
of experience in  
manufacturing

**60 +**

Export to more than  
60 countries

**1000 +**

Thousands of Goods

**40,000 +**

Square meters Factory



# ONE CYLINDER DIESEL ENGINE



## DESCRIPTION

- ◆ Energy saving and environment friendly
- ◆ Superb craftsmanship, strict quality control, ensure reliable product
- ◆ Low fuel consumption
- ◆ Powerful output big overloaded capacity

## TECHNICAL DATA

Model	170F	173F	178F	186FA	188F	192F	
Type	Air-cooled, Vertical type, 4-stroke						
Intake Type	Direct Injection						
Bore*Stroke(mm*mm)	70*55	73*59	78*62	86*72	88*75	92*75	
Cylinder No.	1	1	1	1	1	1	
Displacement(L)	0.211	0.247	0.296	0.418	0.456	0.499	
r/min	3000 3600	3000 3600	3000 3600	3000 3600	3000 3600	3000 3600	
Rated Power KW	2.5KW 2.8KW	3.2KW 3.8KW	3.7KW 4.0KW	6.0KW 6.6KW	6.6KW 7.2KW	7.8KW 8.2KW	
Horse Power HP	3.4HP 3.8HP	4.3HP 4.8HP	5.0HP 5.8HP	8.1HP 8.9HP	8.9HP 9.8HP	10.5HP 11.0HP	
Fuel consumption (g/kw.h)	275/280	276/281	276/281	275/281	275/281	275/281	
Start system	Recoil manual start or electrical						
Net Weight(KG)	Manual start	27KG	28KG	33KG	47KG	48KG	49KG
	Electrical start	31KG	32KG	38KG	51KG	52KG	53KG
Dimension (LxWxH) (mm)	430x390x470	430x390x470	500x460x520	500x450x530	500x450x530	500x450x530	

# YDT 3 CYLINDER DIESEL ENGINE

## DESCRIPTION

- ◆ Air-cooled 1-cylinder in-line naturally aspirated engines
- ◆ Water-cooling 3-to 6-cylinder naturally and turbo engines
- ◆ Advanced direct injection and combustion system
- ◆ Extremely compact dimensions, easy to assemble
- ◆ Noise-optimized technology, stronger power
- ◆ Meeting China III emission standard
- ◆ Low fuel consumption, environmental protective



## TECHNICAL DATA

Model	380	385
Type	Direct Injection, 4-Stroke, Water-cooling,	
Intake Type	Naturally Aspirated	
Bore*Stroke(mm*mm)	80*90	85*90
Cylinder No.	3	3
Displacement(L)	1.357	1.532
r/min	3000	3000
Rated Power KW	20KW	24KW
Horse Power HP	27HP	32HP
Fuel consumption [(g/kw.h)/r/min]	228	228
Start Voltage	12V	12V
Speed regulation type	Mechanical	
Net Weight(KG)	225KG	255KG
Dimension (LxWxH) (mm)	1000x630x950	1000x630x950
Including	Radiator, Fan, Starter, Charge, Alternator, Air filter, Muffler, Stop solenoid, PTO shaft, Fuel tank, Meter Panel	

## YDA 3 CYLINDER DIESEL ENGINE

### DESCRIPTION

- ◆ No cylinder liner design, the whole structure is compact and reasonable.
- ◆ Use of low inertia long type porous injector, helical intake port, low fuel consumption, direct injection combustion chamber
- ◆ The forced water cooling system and forced lubrication system greatly improve the reliability and durability of the whole machine.
- ◆ Energy saving design make the whole weight of only 160KG, is very suitable for small space installation and use.



### TECHNICAL DATA

Model	3TNV88-GGS	4TNV88-GGS
Type	Direct Injection, 4-Stroke, Water-cooling	
Intake Type	Naturally	
Bore*Stroke(mm*mm)	88*90	88*90
Cylinder No.	3	3
Displacement(L)	1.642	2.192
r/min	3000	3000
Rated Power KW	24KW	34KW
Horse Power HP	32HP	45HP
Fuel consumption [(g/kw.h)/r/min]	220	
Start Voltage	12V	12V
Speed regulation type	Mechanical	
Net Weight(KG)	160KG	180KG
Dimension (LxWxH) (mm)	700x350x600	700x350x600
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft, fuel tank, instrument Panel	

## YDQ 3 CYLINDER DIESEL ENGINE

### DESCRIPTION

- ◆ Direct injection combustion chamber, easy to start, low fuel consumption and good economy
- ◆ Compact structure, light weight, easy to install and arrange
- ◆ Strong power, low vibration and low speed regulation
- ◆ The key components are all optimized high-speed vehicle diesel engine parts, so that the diesel engine has good reliability. The power interface conforms to the SAE standard, and can also follow the interface of the vehicle diesel engine, which has good market interchangeability and versatility. For special purposes, an electronic speed governor can be selected, and the entire speed can be adjusted to ensure the water output of the pump.
- ◆ According to customer needs, P-type fuel injectors can be used, with good atomization, full combustion, low fuel consumption and low smoke.



### TECHNICAL DATA

Model	380Q	385Q
Type	Direct Injection, 4-Stroke, Water-cooling	
Intake Type	Naturally Aspirated	Turbo
Bore*Stroke(mm*mm)	80*90	85*90
Cylinder No.	3	3
Displacement(L)	1.36	1.53
r/min	3000	3000
Rated Power KW	20KW	23KW
Horse Power HP	26HP	30HP
Fuel consumption [(g/kw.h)/r/min]	≤248	≤248
Start Voltage	12V	12V
Speed regulation type	≤10%	
Net Weight(KG)	220KG	220KG
Dimension (LxWxH) (mm)	1000x630x950	1000x630x950
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft	

# YDT 4 CYLINDER DIESEL ENGINE

## DESCRIPTION

- ◆ Air-cooled 1-cylinder in-line naturally aspirated engines .
- ◆ Water-cooling 3-to 6-cylinder naturally and turbo engines
- ◆ Advanced direct injection and combustion system
- ◆ Extremely compact dimensions,easy to assemble
- ◆ Noise-optimized technology,stronger power
- ◆ Meeting China III emission standard
- ◆ Low fuel consumption,environmental protective



## TECHNICAL DATA

Model	480	485	490N	490
Type	Direct Injection, 4-Stroke,Water-cooling,			
Intake Type	Naturally Aspirated			
Bore*Stroke(mm*mm)	80*90	85*100	90*100	90*105
Cylinder No.	4	4	4	4
Displacement(L)	1.8	2.27	2.54	2.67
r/min	3000	3000	3000	3000
Rated Power KW	28KW	36KW	42KW	45KW
Horse Power HP	38HP	49HP	58HP	61HP
Fuel Consumption(g/kw.h)	215	228	228	228
Start Voltage	12V	12V	12V	12V
Speed regulation type	Mechanical			
Net Weight(KG)	250KG	280KG	280KG	349KG
Dimension (LxWxH) (mm)	1110x630x950	1230x630x1045	1230x690x1045	1230x690x1045
Including	Radiator, Fan,Starter,Charge,Alternator,Air filter,Muffler,Stop solenoid, PTO shaft,Fuel tank,Meter Panel			

## TECHNICAL DATA

Model	495	498	4102	4105	4108
Type	Direct Injection, 4-Stroke,Water-cooling,				
Intake Type	Naturally Aspirated				
Bore*Stroke(mm*mm)	90*105	98*105	102*118	105*118	108*118
Cylinder No.	4	4	4	4	4
Displacement(L)	2.97	3.168	3.857	4.087	4.324
r/min	3000	3000	3000	3000	3000
Rated Power KW	50KW	54KW	62KW	67KW	73KW
Horse Power HP	68HP	73HP	85HP	91HP	99HP
Fuel Consumption(g/kw.h)	228	228	228	238	238
Start Voltage	12V	12V	12V	24V	24V
Speed regulation type	Mechanical				
Net Weight(KG)	354KG	355KG	405KG	405KG	415KG
Dimension (LxWxH) (mm)	1230x690x1045	1230x690x1045	1300x780x1110	1300x780x1110	1300x780x1110
Including	Radiator, Fan,Starter,Charge,Alternator,Air filter,Muffler,Stop solenoid, PTO shaft,Fuel tank,Meter Panel				

## TECHNICAL DATA

Model	485Z	490NZ	498Z	4102Z	4105Z	4108Z
Type	Direct Injection, 4-Stroke,Water-cooling,					
Intake Type	Turbo-charging					
Bore*Stroke(mm*mm)	85*100	90*100	98*105	102*118	105*118	108*118
Cylinder No.	4	4	4	4	4	4
Displacement(L)	2.27	2.54	3.168	3.857	4.087	4.324
r/min	3000	3000	3000	3000	3000	3000
Rated Power KW	44KW	50KW	60KW	73KW	75KW	83KW
Horse Power HP	60HP	68HP	81HP	99HP	102HP	113HP
Fuel Consumption(g/kw.h)	228	228	228	238	238	238
Start Voltage	12V	12V	12V	24V	24V	24V
Speed regulation type	Mechanical					
Net Weight(KG)	280KG	354KG	365KG	415KG	415KG	425KG
Dimension (LxWxH) (mm)	1230x690x1045	1230x690x1045	1230x690x1045	1300x780x1110	1300x780x1110	1300x780x1110
Including	Radiator, Fan,Starter,Charge,Alternator,Air filter,Muffler,Stop solenoid, PTO shaft,Fuel tank,Meter Panel					

# YDA 4 CYLINDER DIESEL ENGINE

## DESCRIPTION

- ◆ Dry thin cylinder
- ◆ Small volume
- ◆ Small vibration
- ◆ Low fuel consumption
- ◆ High speed and high stability
- ◆ Is used for non road diesel engine to achieve the perfect across the car motor



## TECHNICAL DATA

Model	4JA1-G1	4JA1-G2	4JA1-ZG1	4JA1-ZG2	4JA1-ZLG
Type	Direct Injection, 4-Stroke, Water-cooling				
Intake Type	Naturally Aspirated		Turbo-charging		Turbocharged&Inter Cooled
Bore*Stroke(mm*mm)	90*102	90*102	90*102	90*102	90*102
Cylinder No.	4	4	4	4	4
Displacement(L)	2.585	2.585	2.585	2.585	2.585
r/min	3000	3000	3000	3000	3000
Rated Power KW	36KW	46KW	56KW	66KW	72KW
Horse Power HP	49HP	63HP	76HP	89HP	97HP
Fuel Consumption(g/kw.h)	≤260	≤260	≤260	≤260	≤260
Start Voltage	12V	12V	12V	12V	12V
Speed regulation type	Mechanical				
Net Weight(KG)	235KG	235KG	240KG	240KG	250KG
Dimension (LxWxH) (mm)	960x610x820	960x610x820	960x610x820	960x610x820	960x610x820
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft, fuel tank, instrument Panel				

## TECHNICAL DATA

Model	4JB1-G1	4JB1T-G1	4JB1T-G2
Type	Direct Injection, 4-Stroke, Water-cooling,		
Intake Type	Naturally Aspirated	Turbo-charging	Turbocharged&Inter Cooled
Bore*Stroke(mm*mm)	93*102	93*102	93*102
Cylinder No.	4	4	4
Displacement(L)	2.771	2.771	2.771
r/min	3000	3000	3000
Rated Power KW	45KW	66KW	75KW
Horse Power HP	61HP	89HP	100HP
Fuel Consumption(g/kw.h)	≤256	≤256	≤256
Start Voltage	12V	12V	12V
Speed regulation type	Mechanical		
Net Weight(KG)	226KG	226KG	226KG
Dimension (LxWxH) (mm)	1040x740x980	1040x740x980	1040x740x980
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft, fuel tank, instrument Panel		

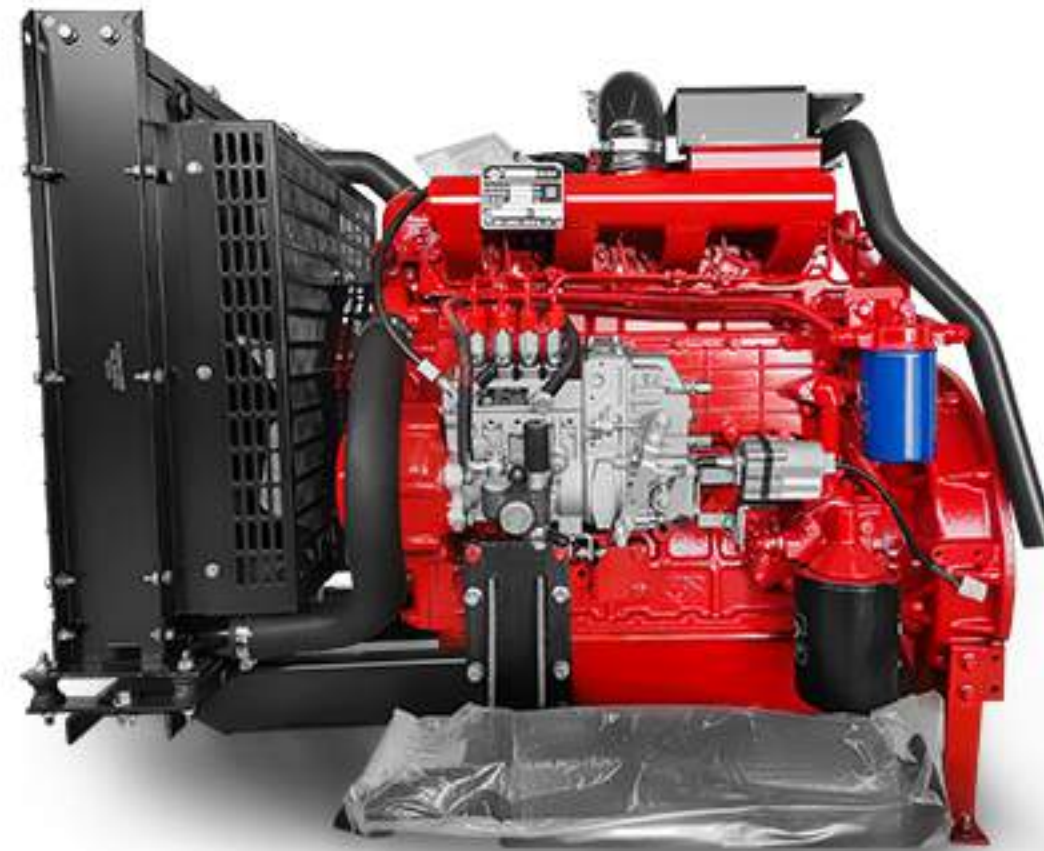
## TECHNICAL DATA

Model	4BD-G	4BD-G2	4BD-Z	4BD-ZL
Type	Direct Injection, 4-Stroke, Water-cooling,			
Intake Type	Naturally Aspirated		Turbo-charging	Turbocharged&Inter Cooled
Bore*Stroke(mm*mm)	102*118	102*118	102*118	102*118
Cylinder No.	4	4	4	4
Displacement(L)	3.856	3.856	3.856	3.856
r/min	3000	3000	3000	3000
Rated Power KW	66KW	76KW	90KW	100KW
Horse Power HP	89HP	103HP	125HP	135HP
Fuel Consumption(g/kw.h)	262	262	256	254
Start Voltage	24V	24V	24V	24V
Speed regulation type	Mechanical			
Net Weight(KG)	342KG	342KG	342KG	342KG
Dimension (LxWxH) (mm)	1140x770x1140	1140x770x1140	1140x770x1140	1140x770x1140
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft, fuel tank, instrument Panel			

# YDQ 4 CYLINDER DIESEL ENGINE

## DESCRIPTION

- ◆ Direct injection combustion chamber, easy to start, low fuel consumption and good economy
- ◆ Compact structure, light weight, easy to install and arrange
- ◆ Strong power, low vibration and low speed regulation
- ◆ The key components are all optimized high-speed vehicle diesel engine parts, so that the diesel engine has good reliability. The power interface conforms to the SAE standard, and can also follow the interface of the vehicle diesel engine, which has good market interchangeability and versatility. For special purposes, an electronic speed governor can be selected, and the entire speed can be adjusted to ensure the water output of the pump.
- ◆ According to customer needs, P-type fuel injectors can be used, with good atomization, full combustion, low fuel consumption and low smoke.



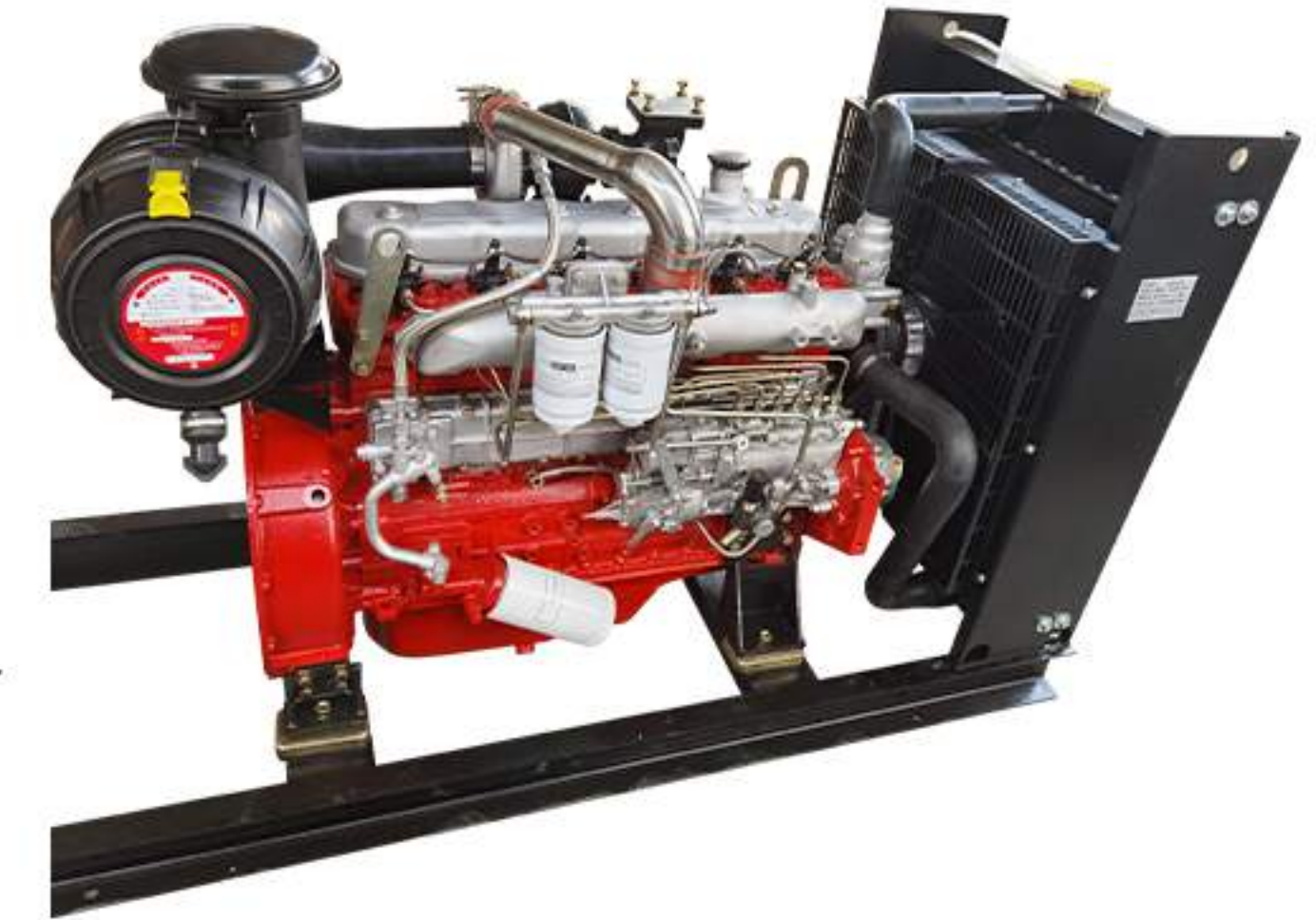
## TECHNICAL DATA

Model	QC480Q	N485QA	QC490Q	QC495Q	4102QA	4108QA	4105ZQ
Type	Direct Injection, 4-Stroke, Water-cooling						
Intake Type	Naturally Aspirated						Turbo-charging
Bore*Stroke(mm*mm)	80*90	85*95	90*105	95*105	102*118	108*118	105*118
Cylinder No.	4	4	4	4	4	4	4
Displacement(L)	1.81	2.16	2.67	2.98	3.86	4.32	4.09
r/min	3000	3000	3000	3000	3000	3000	3000
Rated Power KW	29KW	34.5KW	42W	48KW	63KW	70-76KW	90KW
Horse Power HP	38HP	46HP	56HP	64HP	84HP	93~101HP	120HP
Fuel Consumption(g/kw.h)	≤240	≤240	≤235	≤235	≤232	≤232	≤230
Start Voltage	12V	12V	12V	12V	12V/24V	12V/24V	12V/24V
Speed regulation type	≤10%						
Net Weight(KG)	250KG	265KG	300KG	310KG	420KG	430KG	450KG
Dimension (LxWxH) (mm)	1130x720x910	1130x720x910	1150x760x980	1200x760x1000	1200x760x1000	1200x960x1000	1200x960x1000
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft						

# YDA 6 CYLINDER DIESEL ENGINE

## DESCRIPTION

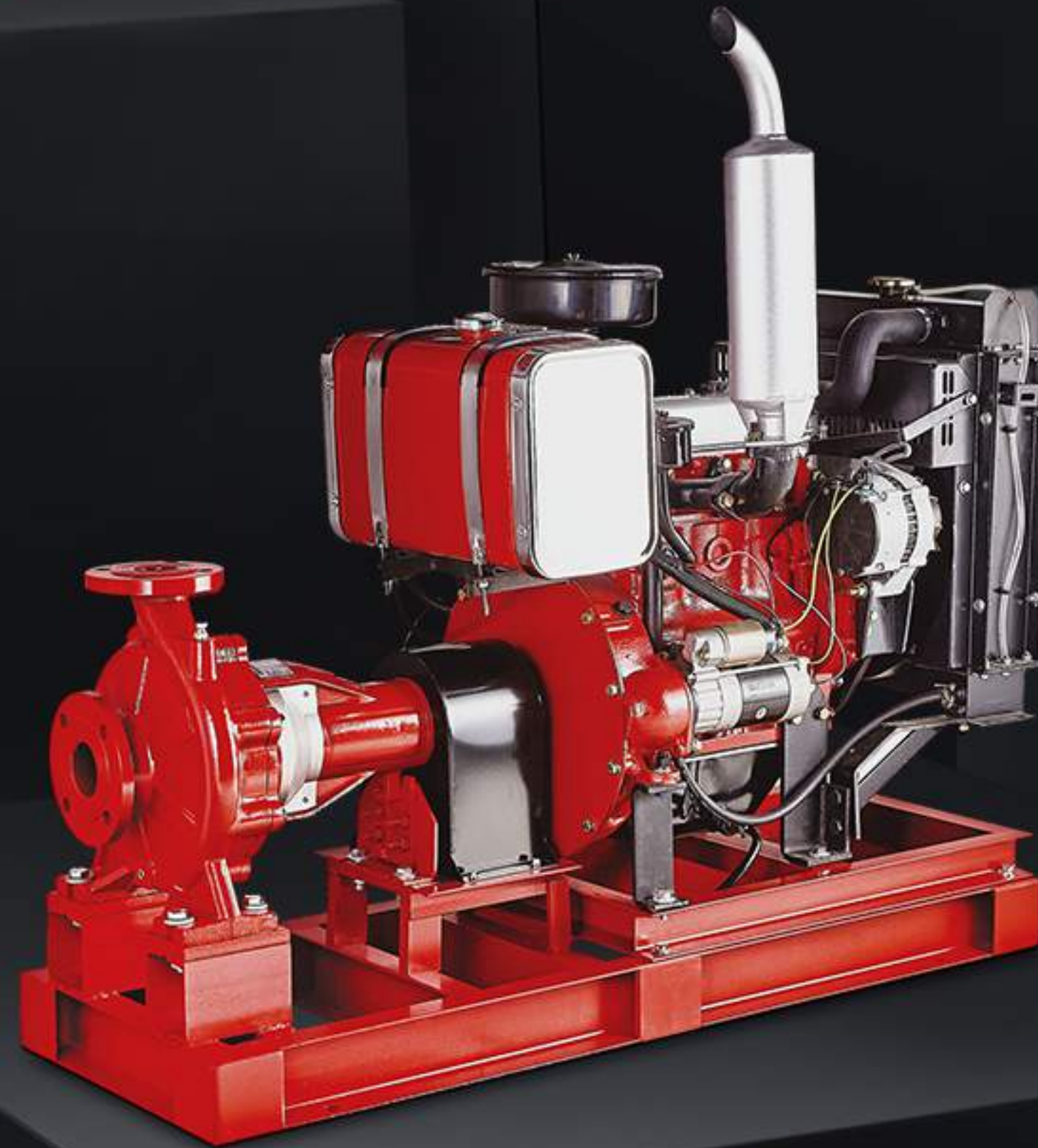
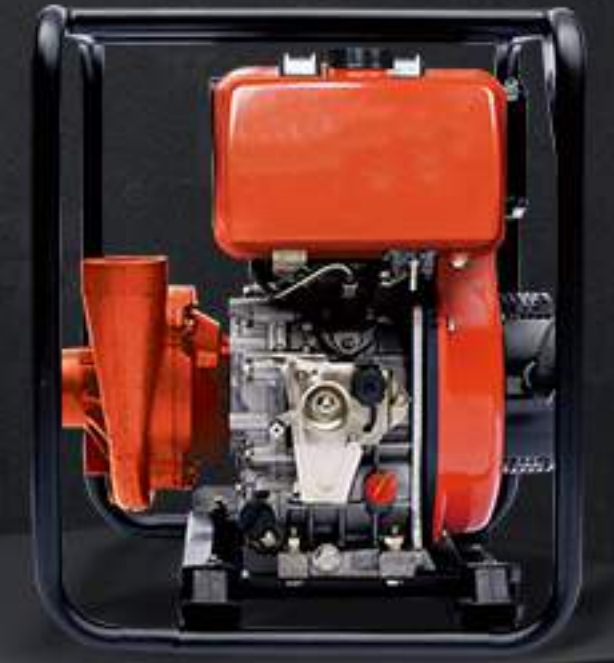
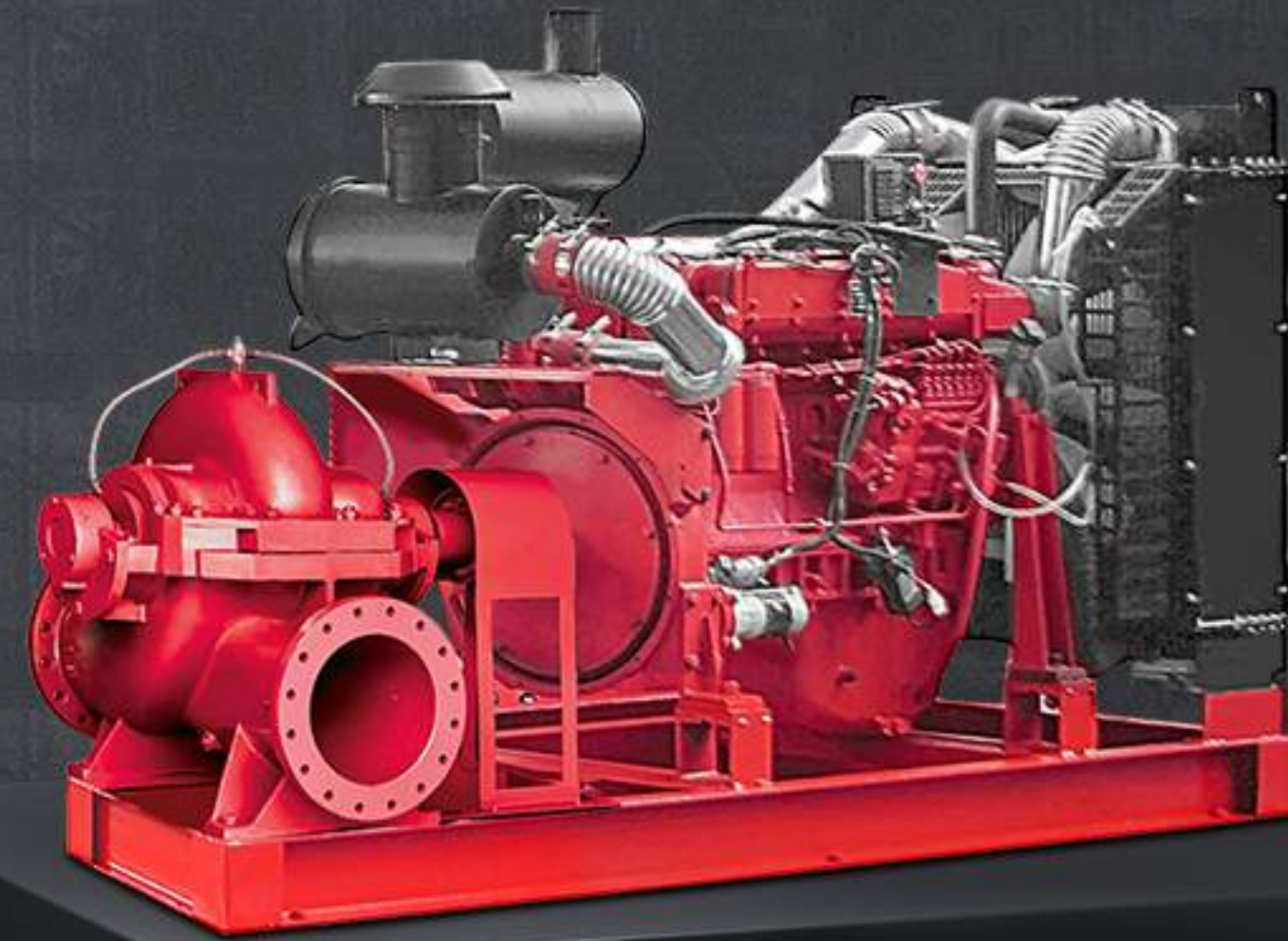
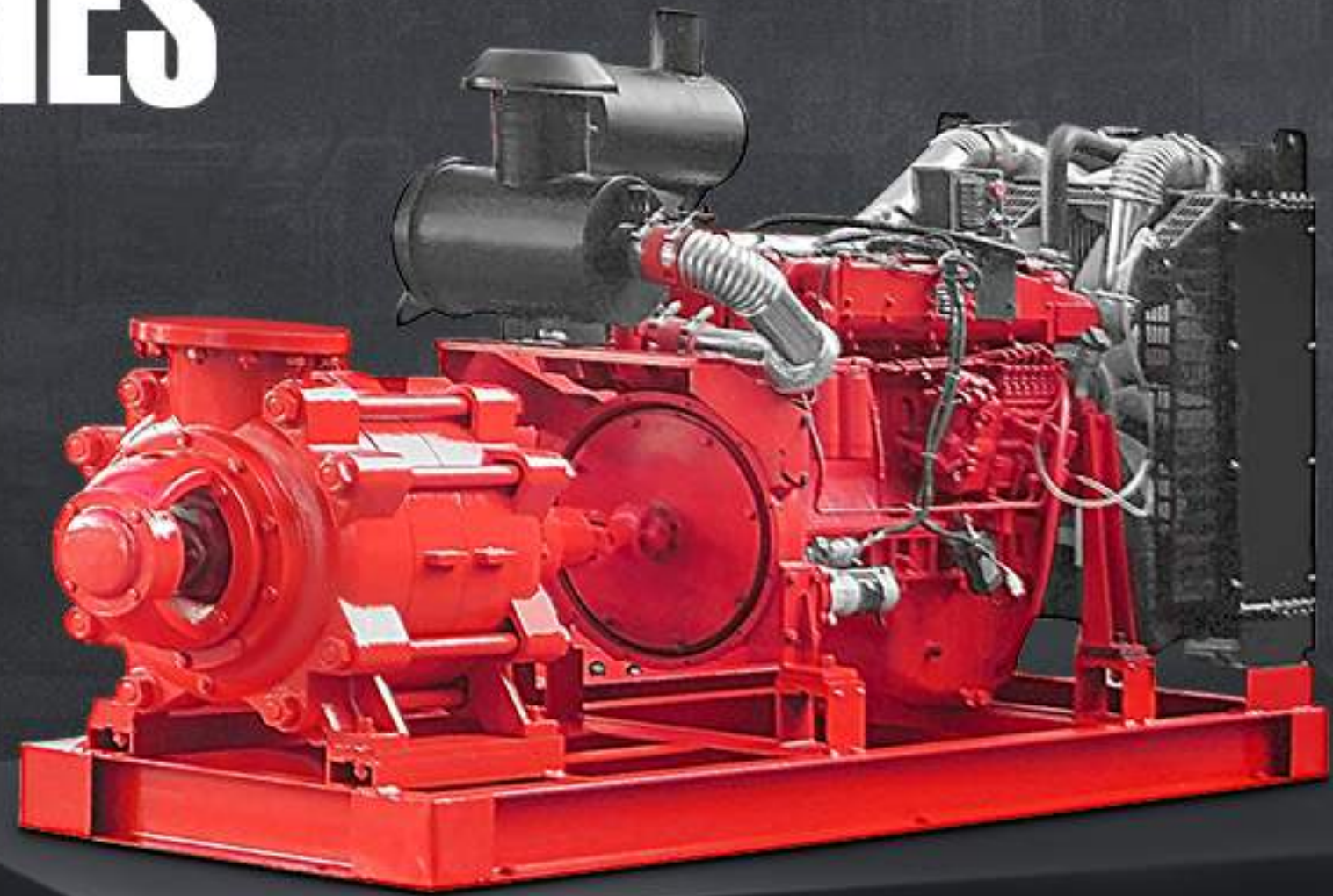
- ◆ Dry thin cylinder
- ◆ Small volume
- ◆ Small vibration
- ◆ Low fuel consumption
- ◆ High speed and high stability
- ◆ Is used for non road diesel engine to achieve the perfect across the car motor
- ◆ 3000 turn 60-90kw fire pump supporting high-end power



## TECHNICAL DATA

Model	6BD-G	6BD-Z	6BD-ZL	6BD-WL	ISG4.5-G1	ISG6.7-G1	ISG8.9-G1	ISG8.9-G2
Type	Direct Injection, 4-Stroke, Water-cooling				High Pressure Common Rail			
Intake Type	Naturally	Turbo	Turbocharged&Inter Cooled		Air to air intercooled			
Bore*Stroke(mm*mm)	102*118	102*118	102*118	102*118	105*135	105*135	105*135	105*135
Cylinder No.	6	6	6	6	6	6	6	6
Displacement(L)	5.785	5.785	5.785	5.785	4.5	6.7	8.9	8.9
r/min	3000	3000	3000	3000	3000	3000	3000	3000
Rated Power KW	110KW	130KW	150KW	170KW	180KW	230KW	270KW	300KW
Horse Power HP	150HP	175HP	202HP	229HP	240HP	307HP	360HP	400HP
Fuel Consumption(g/kw.h)	258	254	252	252	245	258	245	245
Start Voltage	24V	24V	24V	24V	24V	24V	24V	24V
Speed regulation type	Mechanical				Fuel Injection			
Net Weight(KG)	550KG	575KG	575KG	575KG	550KG	575KG	575KG	575KG
Dimension (LxWxH) (mm)	1068x609x1031	1068x652x1081	1081x652x1093	1081x652x1093	1160*870*1130	1430*870*1130	1400*1220*1440	1400*1220*1440
Including	Radiator, fan, starter, charger, alternator, air filter, muffler, stop solenoid valve, PTO shaft, fuel tank, instrument Panel				Heat exchanger, intercooler, 24V generator, starter, air filter, instrument, muffler, packing box			

# PUMP SET SERIES





PSD PUMP  
SERIES



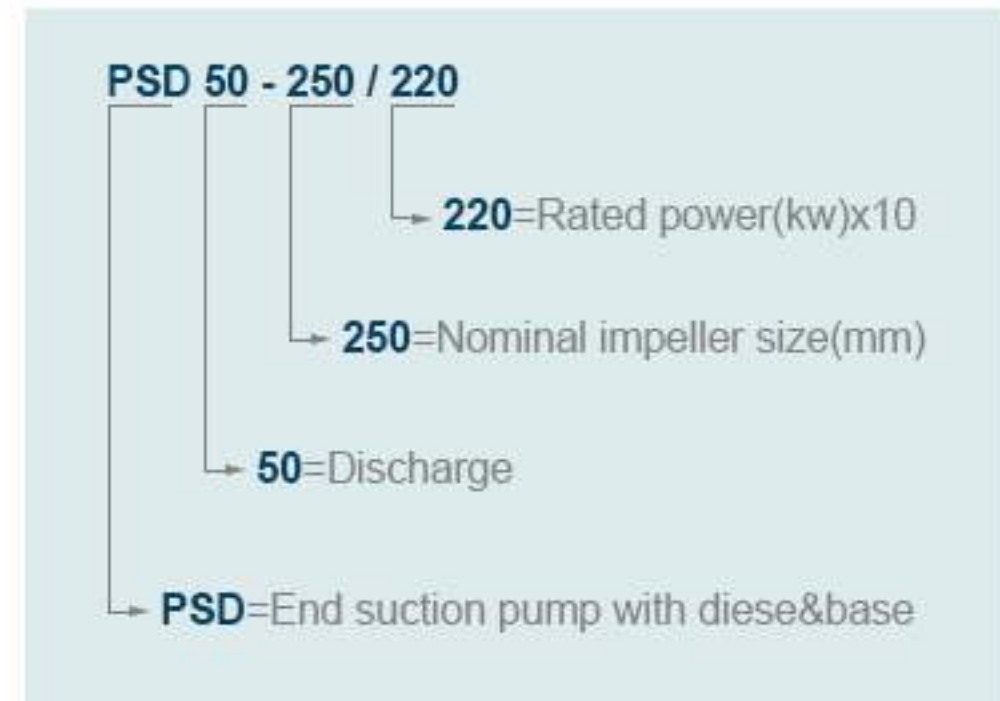
TECHNICAL SHEET

Model	PSD
<b>Capacity</b>	0-1500m <sup>3</sup> /h
<b>Head</b>	0-72m
<b>DN</b>	65-25mm
<b>speed</b>	1500/3000rpm
<b>T max</b>	120°C
<b>Power</b>	1.1-250kw
<b>Casing</b>	Grey cast iron
<b>Impeller</b>	Cast iron/AISI 304/Brass
<b>Shaft</b>	45# steel/AISI 304
<b>Shaft seal</b>	Mechanical Seal
<b>Bearing</b>	Grease lubrication rolling bearing

DESCRIPTION

- ◆ Air-cooled 1-cylinder in-line naturally aspirated engines
- ◆ Water-cooling 3- to 6-cylinder naturally and turbo engines
- ◆ Advanced direct injection and combustion system
- ◆ Extremely compact dimensions,easy to assemble
- ◆ Noise-optimized technology,stronger power
- ◆ Meeting China III emission standard
- ◆ Low fuel consumption,environmental protective

MODEL CODE



50 Hz n=3000 1/min

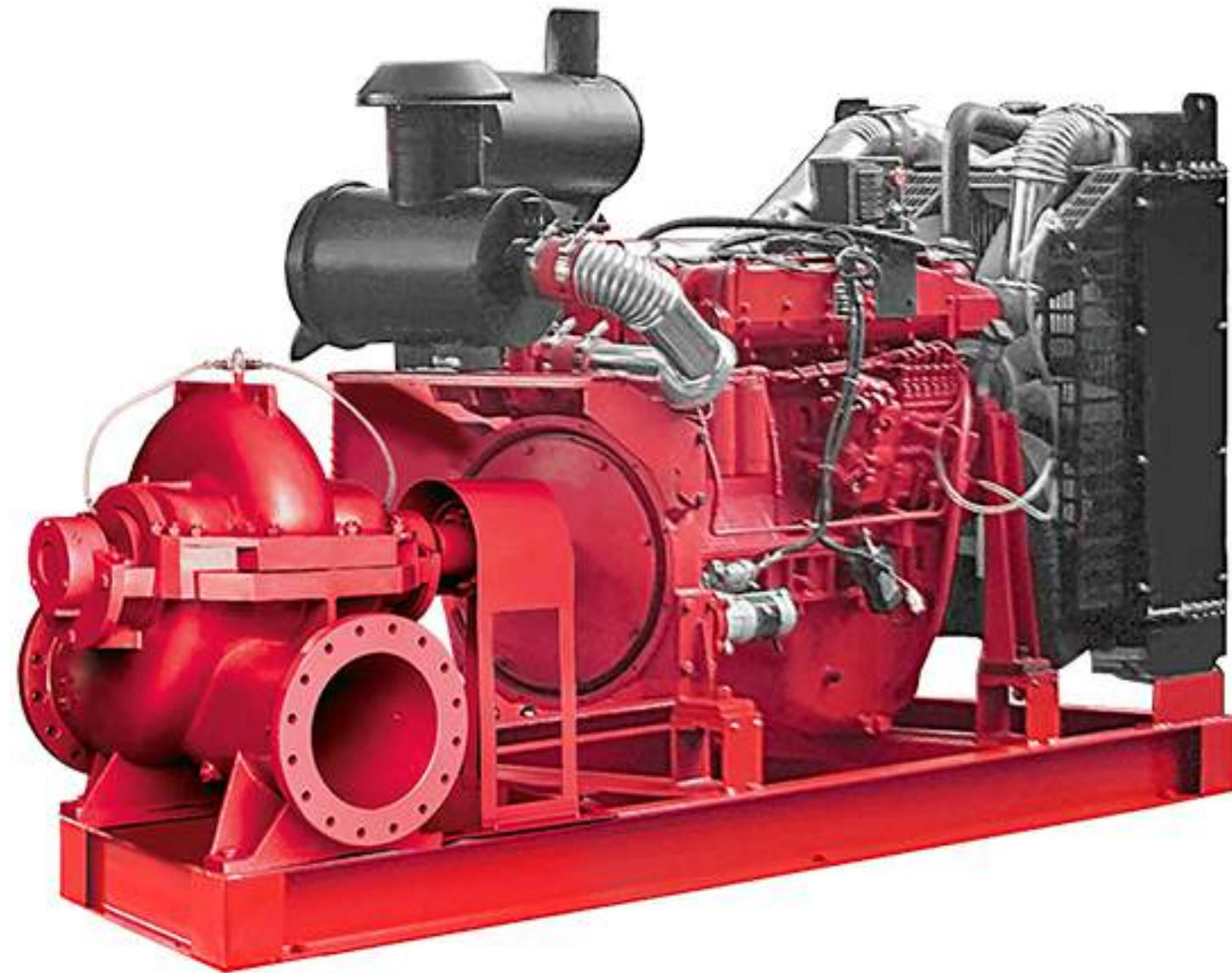
MODEL	DN mm	Implr dia. mm	Power		Q=DELIVERY														
			kw	hp	us	25	50	75	100	120	150	200	250	300	350	400	450	500	600
					gpm	l/min	m <sup>3</sup> /h	0	95	190	283	383	450	567	750	950	1133	1317	1517
					H=Head														

Please refer to our pump catalogue for detail models and data.

MODEL	DN mm	Implr dia. mm	Power		Q=DELIVERY																						
			kw	hp	us	250	400	500	600	750	850	950	1000	1250	1350	1500	1750	2000	2500	3000	3500	4500					
					gpm	1517	1900	2267	2833	3217	3600	3783	4733	5100	5683	6617	7567	9467	11350	13250	17033	216	227	284	306	341	397
					H=Head																						

Please refer to our pump catalogue for detail models and data.

# PSCD PUMP SERIES



## TECHNICAL SHEET

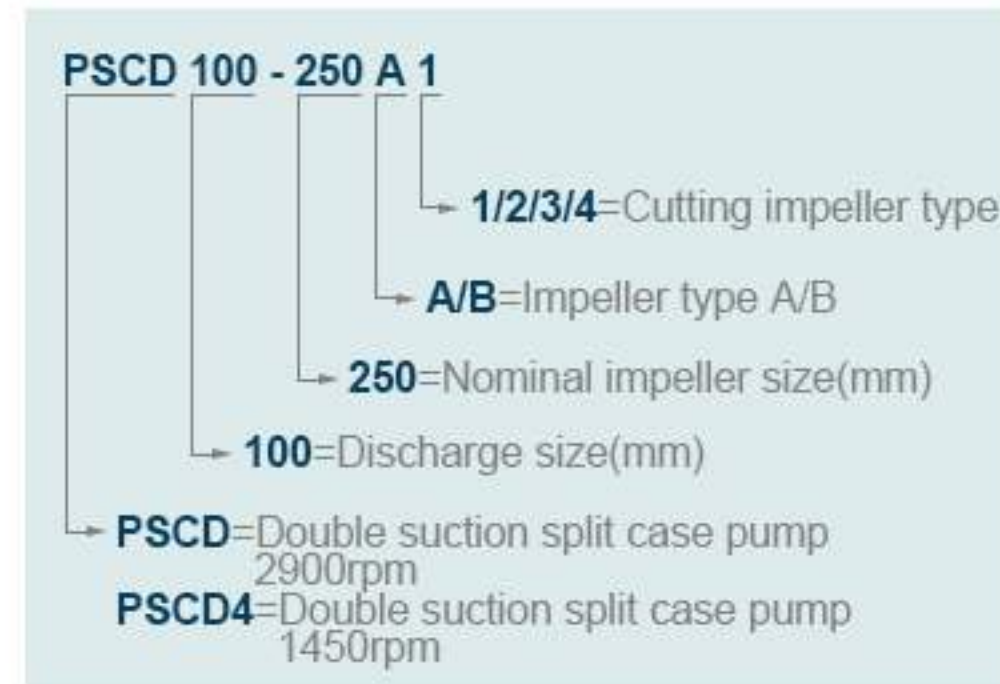
Model	PSCD
Capacity	47-3623m <sup>3</sup> /h
Head	6.5-185m
DN	80-500mm
speed	1500/3000rpm
T max	120°C
Power	3.4-1139kw
Casing	Grey cast iron
Impeller	Cast iron/AISI 304/Brass
Shaft	45# steel/AISI 304
Shaft seal	Mechanical Seal/Pack seal
Bearing	Grease lubrication rolling bearing

Please refer to our pump catalogue for detail models and data.

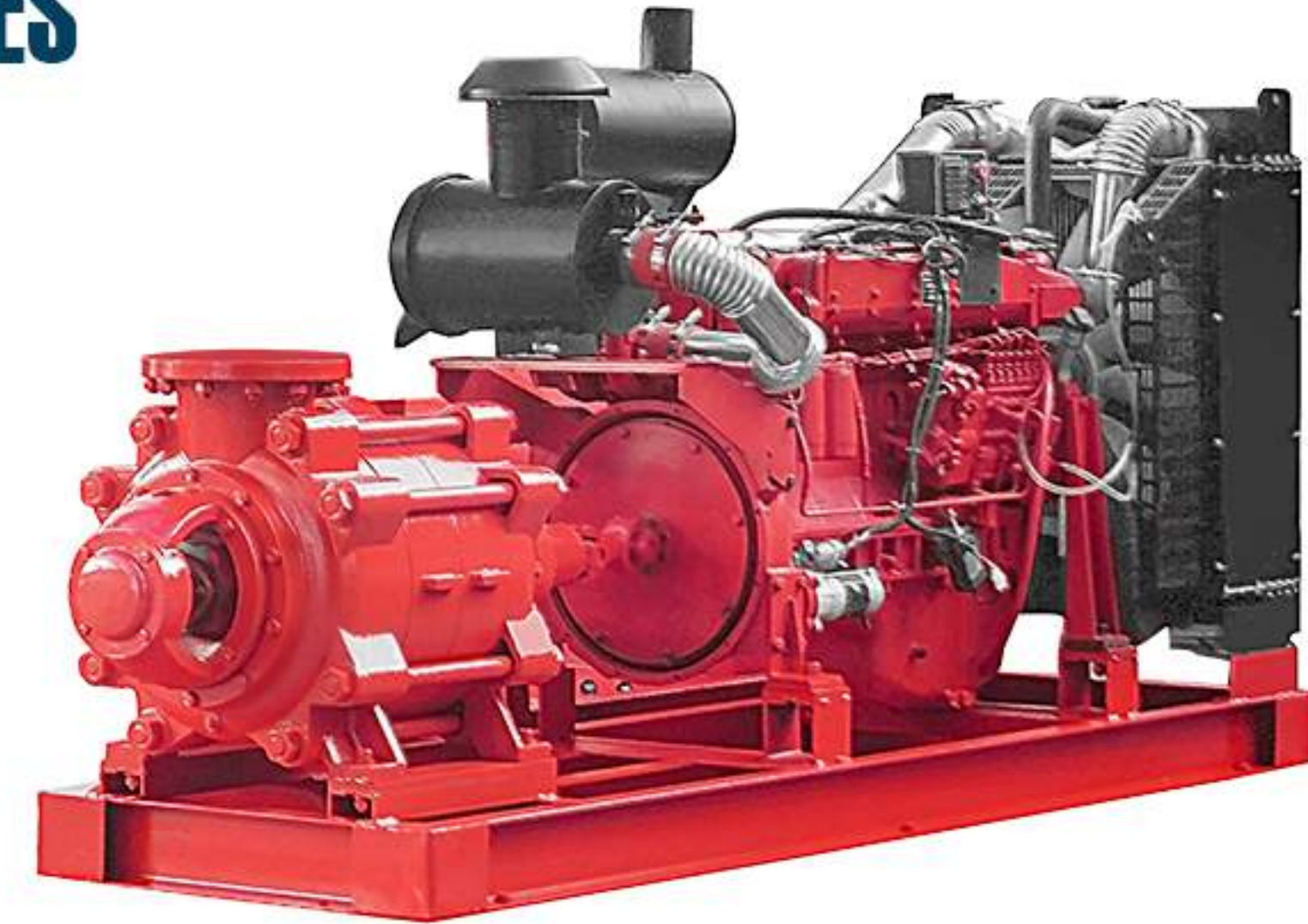
## DESCRIPTION

- ◆ Axially split volute pump casing design
- ◆ Pump case with anti-corrosive coating HT250
- ◆ Double-entry radial impeller in AISI 304 or HT250
- ◆ Shaft protecting sleeves in the seal area
- ◆ Mechanical seal and gland packing are both available
- ◆ Grease-packed rolling element bearings sealed for life
- ◆ Reliable complete with motor or diesel for fire fighting etc.

## MODEL CODE



# DD PUMP SERIES



## TECHNICAL SHEET

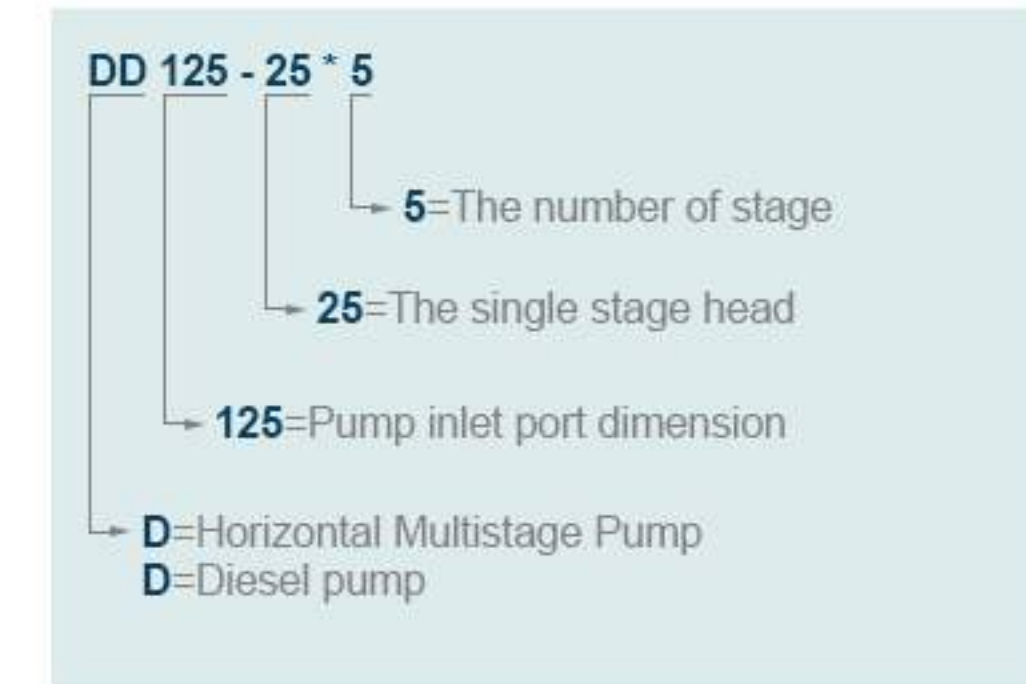
Model	DD
Capacity	3.75-840m <sup>3</sup> /h
Head	19-680m
DN	40-300mm
speed	1500/3000rpm
T max	100°C
Power	1.5-370kw
Casing	Grey cast iron
Impeller	Cast iron/AISI 304
Shaft	45# steel/AISI 304
Shaft seal	Mechanical Seal/Pack seal
Bearing	Grease lubrication rolling bearing

Please refer to our pump catalogue for detail models and data.

## DESCRIPTION

The serial pump is multi-stage section centrifugal pump, the excellent hydraulic models are high-efficiency, energy-saving, and have wide performance range, operating safety & steady, low noise, long life and installing & repairing is very convenient etc. It can deliver heat water, oil, corrosive or wearable medium by changing the material, seal or adding cooling system. Type DD pump can deliver water without solid particle or the liquid, it is suitable for delivering mater in mine and urban water project etc.

## MODEL CODE



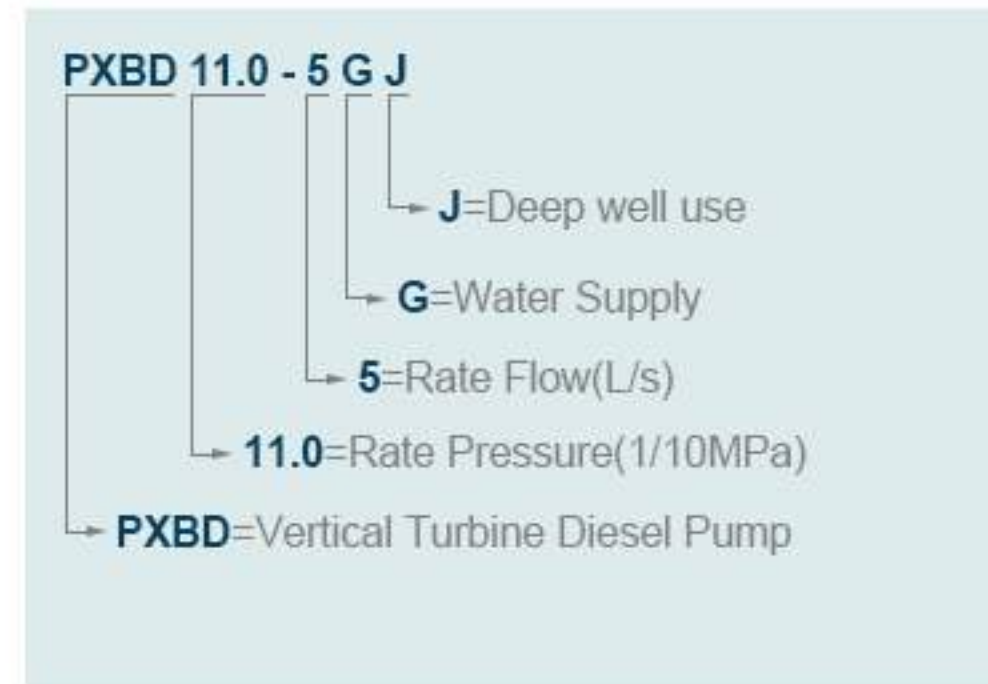
# PXBD PUMP SERIES



### DESCRIPTION

- ◆ Axially split volute pump casing design
- ◆ Pump case with anti-corrosive coating HT250
- ◆ Double-entry radial impeller in AISI 304 or HT250
- ◆ Shaft protecting sleeves in the seal area
- ◆ Mechanical seal and gland packing are both available
- ◆ Grease-packed rolling element bearings sealed for life
- ◆ Reliable complete with motor or diesel for fire fighting etc.

### MODEL CODE



### TECHNICAL SHEET

Model	PXBD
Capacity	0-1260m <sup>3</sup> /h
Head	25-150m
DN	100-350mm
speed	1500/3000rpm
T max	40°C
Power	29-728kw
Casing	Grey cast iron
Impeller	2cr13/Brass/Cast iron
Shaft	2cr13
Shaft seal	Packing Seal/Mechanical Seal
Bearing	Grease lubrication rolling bearing

Please refer to our pump catalogue for detail models and data.

# DIESEL WATER PUMP (ALUMINUM)



### DESCRIPTION

- ◆ The unit integrated design, Users only need to connect inlet/outlet pipe before use.
- ◆ Reliable and durable with safe and reliable engine and enhanced pump structure.
- ◆ Low fuel consumption match with air-cooled diesel engine, Let you enjoy the value.
- ◆ High head of delivery, fast suction, with powerful engine and vortex impeller design.
- ◆ Convenient maintenance, With free maintenance battery.

### TECHNICAL DATA

Model	DP20/E	DP30/E	DP30/E	DP40/E	DP60/E
Suction discharge port diameter	50(2")	80(3")	80(3")	100(4")	150(6")
Discharge Capacity(L/min)	600	1000	1000	1600	2500
Lift head(m)	18	18	19	21	21
Suction head(m)	8	8	8	8	8
Priming time(s/m)	70	120	120	180	180
Rotation speed(rpm)	3600	3600	3600	3600	3600
Fuel consumption(g/kwh)	<275	<275	<275	<275	<275
Small fuel tank capacity(L)	2.5	2.5	3.5	5.5	/
Big fuel tank capacity(L)	12.5	12.5	12.5	12.5	12.5
Small fuel tank net weight(kg)	35	38	45	62	/
Big fuel tank net weight(kg)	40	43	52	69	155
Small fuel tank size(mm)	500x420x530	500x420x530	570x465x560	660x480x610	/
Big fuel tank size(mm)	510x460x665	535x460x665	570x465x705	660x490x740	790x600x800
Engine	173F	173F	178F	186FA	192F
Power(kw)/3600rpm	3.6	3.6	4.0	6.6	8.2
Displacement(L)	0.247	0.247	0.296	0.418	0.499
Starting system	Manual or electrical start				

# HIGH PRESSURE DIESEL PUMP (ALUMINUM)

## DESCRIPTION

- ◆ The unit integrated design, Users only need to connect inlet/outlet pipe before use.
- ◆ Reliable and durable with safe and reliable engine and enhanced pump structure.
- ◆ Low fuel consumption match with air-cooled diesel engine, Let you enjoy the value.
- ◆ High head of delivery, fast suction, with powerful engine and vortex impeller design.
- ◆ Convenient maintenance, With free maintenance battery.



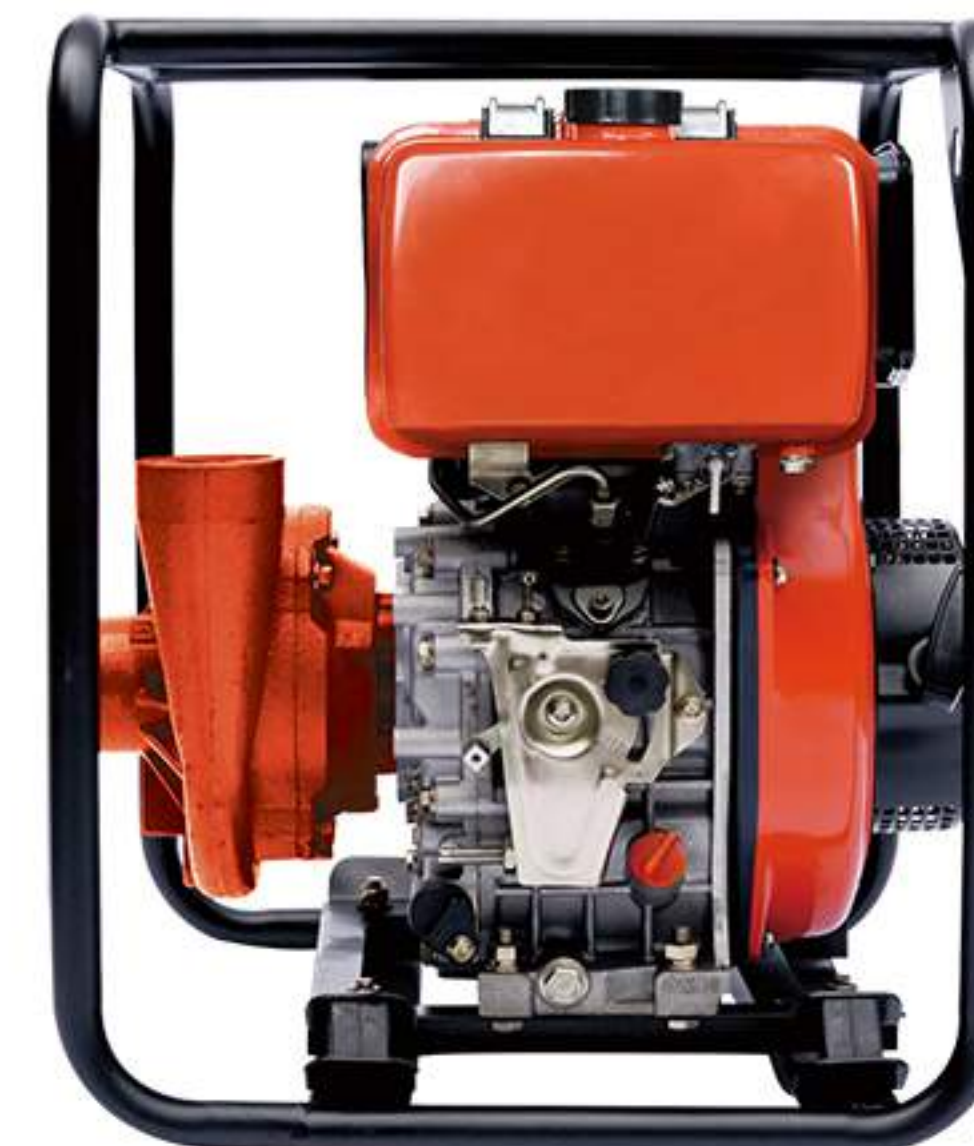
## TECHNICAL DATA

Model	DP20HL/E	DP30HL/E
Suction discharge port diameter(mm)	Inlet:50(2") Outlet:2x1.5"+1x2"	Inlet:80(3") Outlet:1x1.5"+1x2"+1x2.5"
Discharge capacity(L/min)	600	1000
Lift head(m)	70	70
Suction head(m)	8	8
Priming time(s/m)	180	200
Rotation speed(rpm)	3600	3600
Engine	178F	186FA
Power(kw)	4.0	6.6
Displacement(L)	0.296	0.418
Fuel tank capacity(L)	3.5	5.5
Fuel consumption(g/kwh)	<275	<275
Starting system	Manual or electrical start	
Packing size(mm)	570x465x560	660x480x610
Net weight(kg)	50KG	65KG

# HIGH PRESSURE DIESEL PUMP (CASTIRON)

## DESCRIPTION

- ◆ The unit integrated design, Users only need to connect inlet/outlet pipe before use.
- ◆ Reliable and durable with safe and reliable engine and enhanced pump structure.
- ◆ Low fuel consumption match with air-cooled diesel engine, Let you enjoy the value.
- ◆ High head of delivery, fast suction, with powerful engine and vortex impeller design.
- ◆ Convenient maintenance, With free maintenance battery.



## TECHNICAL DATA

Model	DP20HP/E	DP30HP/E
Suction discharge port diameter(mm)	50(2")	80(3")
Discharge capacity(L/min)	500	700
Lift head(m)	75	75
Suction head(m)	8	8
Priming time(s/m)	120	180
Rotation speed(rpm)	3600	3600
Engine	178F	186FA
Power(kw)	4.0	6.6
Displacement(L)	0.296	0.418
Fuel tank capacity(L)	3.5	5.5
Fuel consumption(g/kwh)	<275	<275
Starting system	Manual or electrical start	
Packing size(mm)	457x447x557	650x478x605
Net weight(kg)	47KG	66KG

# PORTABLE GASOLINE PUMP SERIES



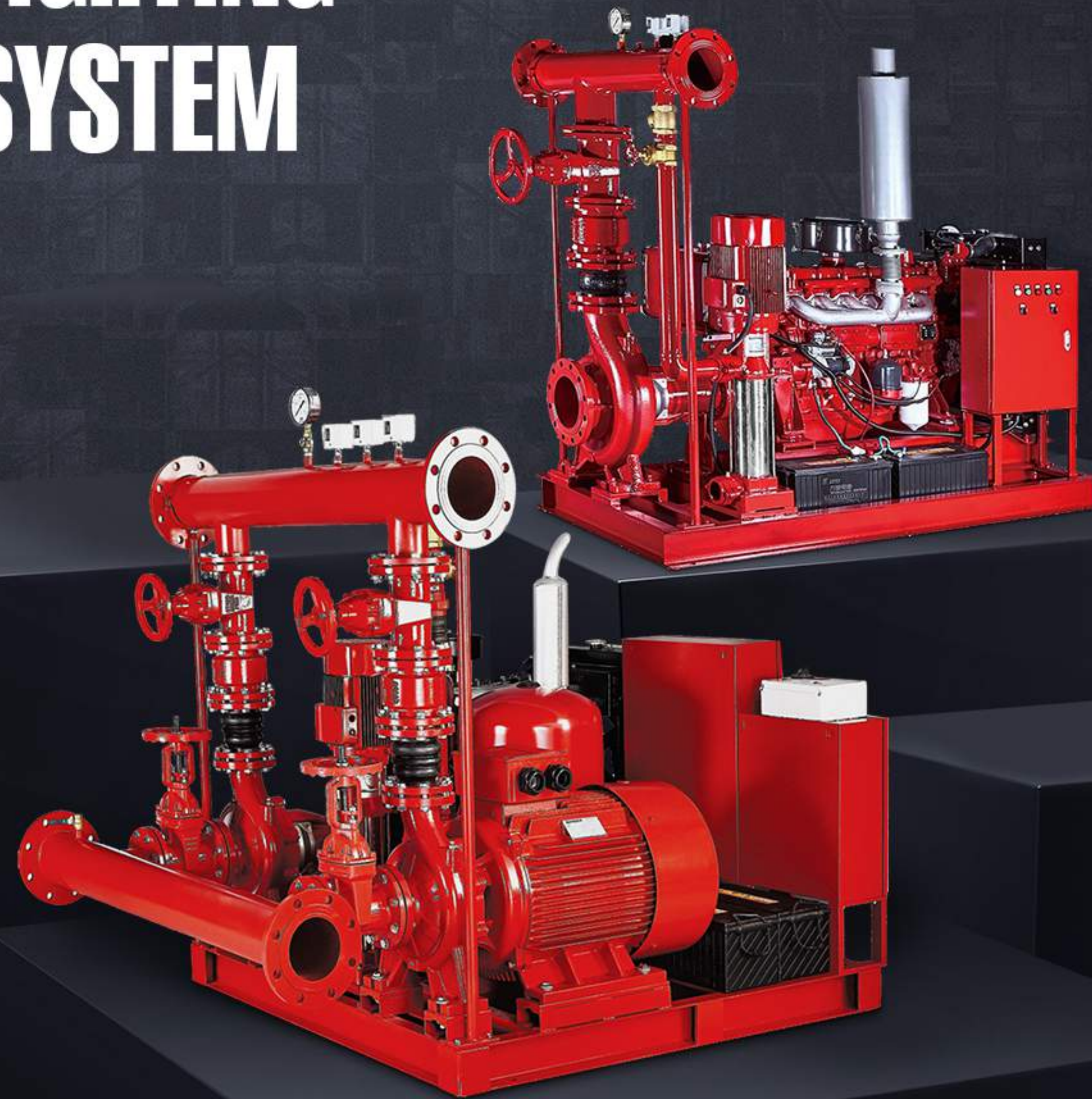
## DESCRIPTION

- ◆ Perfect performance. Good self-priming performance, small size, easy to install and use, with advanced micro engine, ensure the effective combustion.
- ◆ Economical and practical. Lightweight design, low manufacturing cost, silent, low temperature starting, because of these advantages it is widely used in gardens, highways agricultural irrigation, fire protection etc.
- ◆ Convenient. Widely used in agricultural irrigation, drainage irrigation; In addition, gasoline pump is especially suitable for industrial water supply, urban drinking water supply, fire protection, high pressure washing and so on.

## TECHNICAL DATA

Model	WP20X	WP30X	WP40X	PTG205	PTG310
Suction discharge port diameter(mm)	50(2")	80(3")	100(3.94")	50(2")	80(3")
Discharge capacity(m <sup>3</sup> /h)	22	30	40	22	30
Lift head[m(ft)]	26(85.3)	25(82.02)	28(91.86)	26(35.3)	25(82.02)
Suction head[m(ft)]	8(26.25)	8(26.26)	8(26.26)	8(26.25)	8(26.25)
Priming time(s/4m)	80	120	80	80	80
Rotation speed(rpm)	3600	3600	3600	3600	3600
Engine	GX160	GX160	GX270	EY20D	EY20D
Rated power[kw(hp)]	3.1	3.1	5.5	2.4	2.4
Rated speed(rpm)	3600	3600	3600	3600	3600
Displacement[cc(cu.in)]	163(9.95)	163(9.95)	277(16.9)	183	183
Fuel consumption[g(ml)kw.h]	395(533.78)	395(533.78)	374(505.4)	395(533.78)	395(533.78)
Net weight(kg)	22KG	24KG	36KG	25KG	26KG
Size(mm)	485x375x385	515x375x435	605x515x570	535x365x460	535x365x460

# FIRE FIGHTING SYSTEM



# PEDJ FIRE FIGHTING SYSTEM

## SET WITH ELECTRIC + DIESEL + JOCKEY PUMP



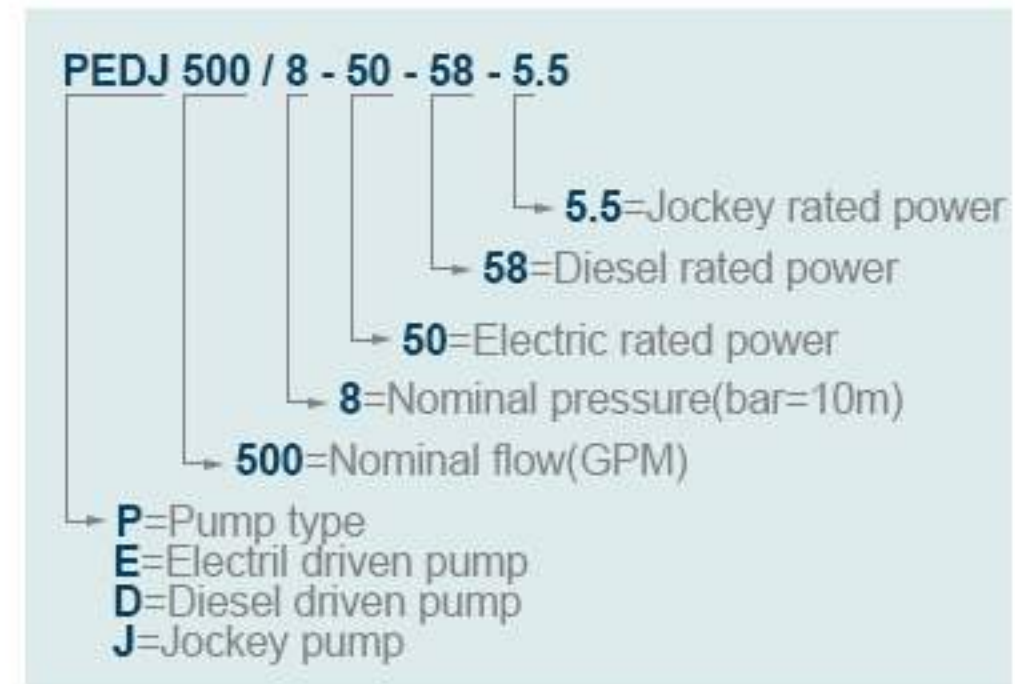
### TECHNICAL SHEET

Model	PEDJ
Capacity	50-1500GPM
Head	6-13bar
DN	25-400
speed	2900rpm
T max	-10°C-120°C
Power <sub>(Diesel)</sub>	5.5-170hp
Power <sub>(jockey)</sub>	2-15hp
Impeller	AISI 304/Cast iron/Brass
Shaft	AISI 304/galvanized iron
Shaft seal	Mechanical Seal
Bearing	Grease lubrication rolling bearing

### DESCRIPTION

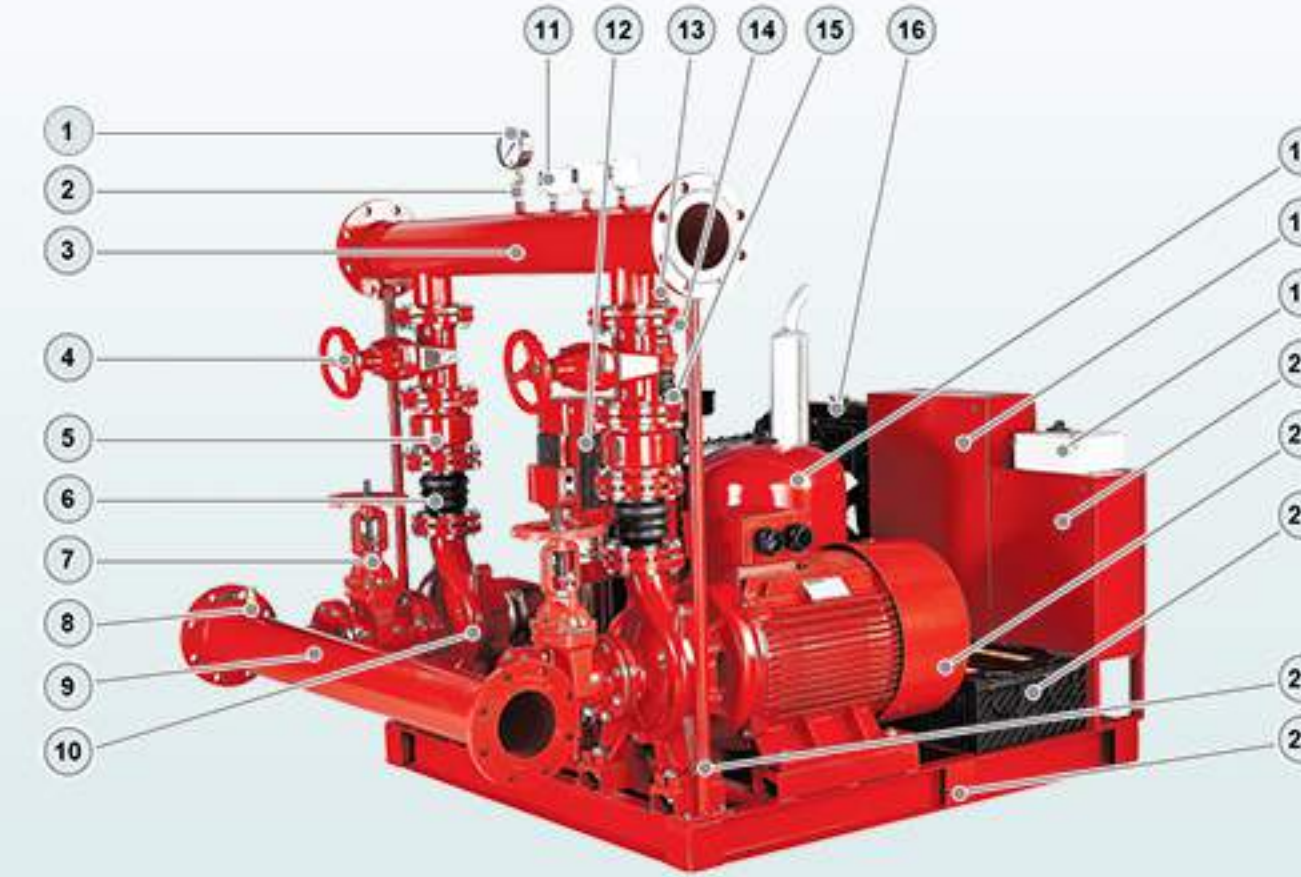
- ◆ Switch Automatically among the three pumps
- ◆ Both Manual and Automatic operation is available
- ◆ Can work when the power is off
- ◆ Easy Installation
- ◆ Customized size and pump group
- ◆ YE3 high efficient motor with protection IP55 class F
- ◆ High performance and low power consumption
- ◆ Pump case with Anti-corrosive coating
- ◆ With quality NSK bearings, wear resistance mechanical seal
- ◆ Circuit available up on request
- ◆ Different Mounting Styles
- ◆ Low Maintenance Cost and available spare parts
- ◆ Electronic battery charger

### MODEL CODE



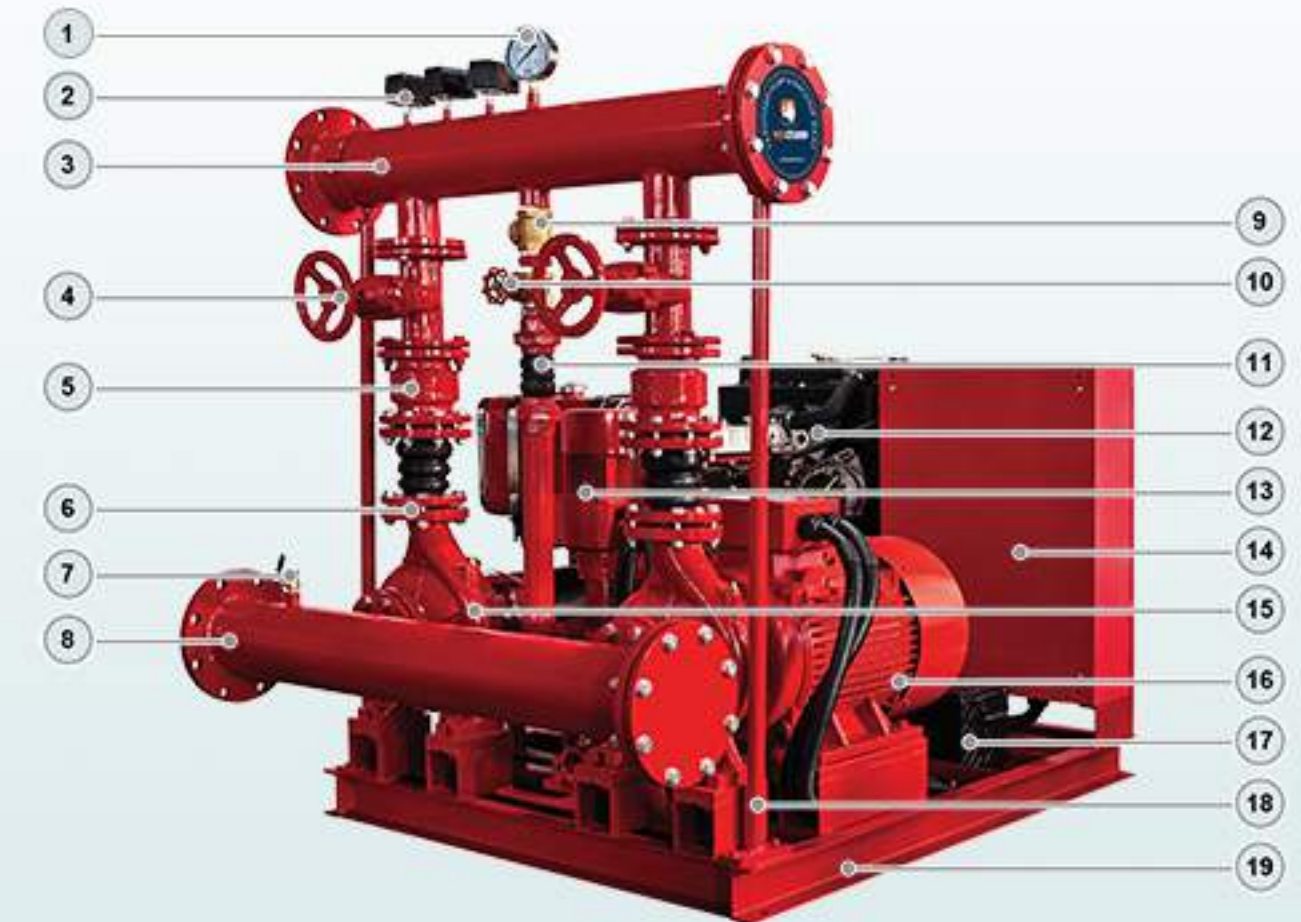
Please refer to our fire fighting system catalogue for detail models and data.

### NFPA 20 STANDARD



- 1.Pressure gauge
- 2.Relief valve
- 3.Discharge pipeline
- 4.Gate valve
5. Check valve
- 6.Flexible joint
- 7.OS&Y valve
- 8.Relief valve
- 9.Suction pipeline
- 10.Diesel pump
- 11.Pressure switch
- 12.Jockey pump
- 13.Jockey check valve
- 14.Jockey gate valve
- 15.Flexible joint
- 16.Diesel engine
- 17.Pressure tank
- 18.Electric controller
- 19.Jockey controller
- 20.Diesel controller
- 21.Electric pump
- 22.Batteries
- 23.Support rod
- 24.Base







### NORMAL STANDARD



- 1.Pressure gauge
- 2.Pressure switch
- 3.Discharge pipe
- 4.Gate valve
- 5.Check valve
- 6.Flexible joint
- 7.Relief valve
- 8.Suction pipe
- 9.Jockey check valve
- 10.Jockey gate valve
- 11.Flexible joint
- 12.Diesel engine
- 13.Jockey pump
- 14.Control panel
- 15.Diesel pump
- 16.Electric pump
- 17.Battery
- 18.support rod
- 19.Base

## TECHNICAL DATA

50 Hz n=2900 1/min







	Q	H	Electric		Diesel	Jockey	
			Option 1	Option 2	Coupling type	Option 1	Option 2
			Close coupled	Separate coupled		Plastic impeller	SS304 impeller
GPM	Bar						
PEDJ 50/6-5.5-8.6-2	50	6	P2C 32-200/40 5.5HP	PSM 32-250/55 7.5HP	PSD 32-250/55 8.6HP	PV 4×9/2HP	PVT(S) 1-15 1HP
PEDJ 50/7-7.5-10-2	50	7	P2C 40-210/55 7.5HP	PSM 32-250/75 10HP	PSD 32-250/75 10HP	PV 4×9/2HP	PVT(S) 1-15 1HP
PEDJ 50/8-10-12-3	50	8	P2C 40-210/75 10HP	PSM 32-250/110 15HP	PSD 32-250/110 12HP	PV 4×13/3HP	PVT(S) 1-15 1HP
PEDJ 50/9-10-27-3	50	9	P2C 40-210/75 10HP	PSM 32-250/150 20HP	PSD 32-250/150 27HP	PV 4×13/3HP	PVT(S) 1-17 1.5HP
PEDJ 100/7-10-10-2	100	6-7	PST 32-250/75 10HP	PSM 32-250/75 10HP	PSD 32-250/75 10HP	PV 4×9/2HP	PVT(S) 2-11 1.5HP
PEDJ 100/8-15-27-3	100	8	P2C 40-200/110 15HP	PSM 32-250/150 20HP	PSD 32-250/150 27HP	PV 4×13/3HP	PVT(S) 2-13 2HP
PEDJ 100/9-17.5-27-3	100	9	P2C 40-250/130 17.5HP	PSM 40-250/185 25HP	PSD 40-250/185 27HP	PV 4×13/3HP	PVT(S) 2-13 2HP
PEDJ 120/7-10-12-3	120	7	PST 32-250/75D 10HP	PSM 32-250/75H 10HP	PSD 32-250/75H 12HP	PV 4×13/3HP	PVT(S) 2-13 2HP
PEDJ 150/7-15-12-3	150	7	PST 40-250/110 15HP	PSM 40-250/110 15HP	PSD 40-250/110 12HP	PV 4×13/3HP	PVT(S) 4-10 3HP
PEDJ 200/6-20-27-3	200	6	PST 50-250/150 20HP	PSM 50-250/150 20HP	PSD 50-250/150 27HP	PV 4×13/3HP	PVT(S) 4-10 3HP
PEDJ 200/7-25-27-3	200	7	PST 50-250/185 25HP	PSM 50-250/185 25HP	PSD 50-250/185 27HP	PV 4×13/3HP	PVT(S) 4-10 3HP
PEDJ 200/8-30-32-3	200	8	PST 50-250/220 30HP	PSM 50-250/220 30HP	PSD 50-250/220 32HP	PV 4×13/3HP	PVT(S) 4-12 3HP
PEDJ 200/9-40-38-4	200	9	-	PSM 50-250/300 40HP	PSD 50-250/300 38HP	PV 4×16/4HP	PVT(S) 4-12 3HP
PEDJ 200/10-50-58-4	200	10	-	PSM 50-315/370 50HP	PSD 50-315/370 58HP	PV 6×15/4HP	PVT(S) 4-14 4HP
PEDJ 250/7-25-27-4	250	7	PST 50-250/185 25HP	PSM 50-250/185 25HP	PSD 50-250/185 27HP	PV 6×15/4HP	PVT(S) 4-12 3HP
PEDJ 300/6-25-27-4	300	6	PST 50-250/185 25HP	PSM 50-250/185 25HP	PSD 50-250/185 27HP	PV 6×15/4HP	PVT(S) 8-6 3HP
PEDJ 300/7-30-32-4	300	7	PST 50-250/220 30HP	PSM 50-250/220 30HP	PSD 50-250/220 32HP	PV 6×15/4HP	PVT(S) 8-8 4HP
PEDJ 300/8-40-38-4	300	8	-	PSM 50-250/300 40HP	PSD 50-250/300 38HP	PV 8×12/4HP	PVT(S) 8-8 4HP
PEDJ 300/10-50-58-5.5	300	9-10	-	PSM 50-315/370 50HP	PSD 50-315/370 58HP	PV 8×16/5.5HP	PVT(S) 8-12 5.5HP
PEDJ 350/7-30-32-4	350	7	PST 50-250/220 30HP	PSM 50-250/220 30HP	PSD 50-250/220 32HP	PV 8×12/4HP	PVT(S) 8-8 4HP
PEDJ 400/6-30-32-4	400	6	PST 65-250/220 30HP	PSM 65-250/220 30HP	PSD 65-250/220 32HP	PV 8×12/4HP	PVT(S) 8-8 4HP
PEDJ 400/7-40-38-5.5	400	7	PST 65-250/300 40HP	PSM 65-250/300 40HP	PSD 65-250/300 38HP	PV 8×16/5.5HP	PVT(S) 8-8 4HP
PEDJ 400/8-50-58-5.5	400	8	PST 65-250/370 50HP	PSM 65-250/370 50HP	PSD 65-250/370 58HP	PV 8×16/5.5HP	PVT(S) 8-10 5.5HP
PEDJ 400/9-60-61-7.5	400	9	PST 65-315/450 60HP	PSM 65-315/450 60HP	PSD 65-315/450 61HP	PV 12×17/7.5HP	PVT(S) 8-12 5.5HP
PEDJ 500/7-40-38-5.5	500	6-7	PST 65-250/300 40HP	PSM 65-250/300 40HP	PSD 65-250/300 38HP	PV 12×12/5.5HP	PVT(S) 12-8 7.5HP
PEDJ 500/8-50-58-7.5	500	8	PST 65-250/370 50HP	PSM 65-250/370 50HP	PSD 65-250/370 58HP	PV 12×17/7.5HP	PVT(S) 12-8 7.5HP
PEDJ 500/9-60-61-7.5	500	9	PST 65-315/450 60HP	PSM 65-315/450 60HP	PSD 65-315/450 61HP	PV 12×17/7.5HP	PVT(S) 12-9 7.5HP
PEDJ 500/11-75-75-7.5	500	10-11	PST 65-315/550 75HP	PSM 65-315/550 75HP	PSD 65-315/550 75HP	PV 12×17/7.5HP	PVT(S) 12-12 10HP
PEDJ 500/13-100-100-15	500	12-13	PST 65-315/750 100HP	PSM 65-315/750 100HP	PSD 65-315/750 100HP	PV 30×11/15HP	PVT(S) 12-14 15HP

PDJ PEJ PEEJ also available

Other model can provide on request

## TECHNICAL DATA

50 Hz n=2900 1/min

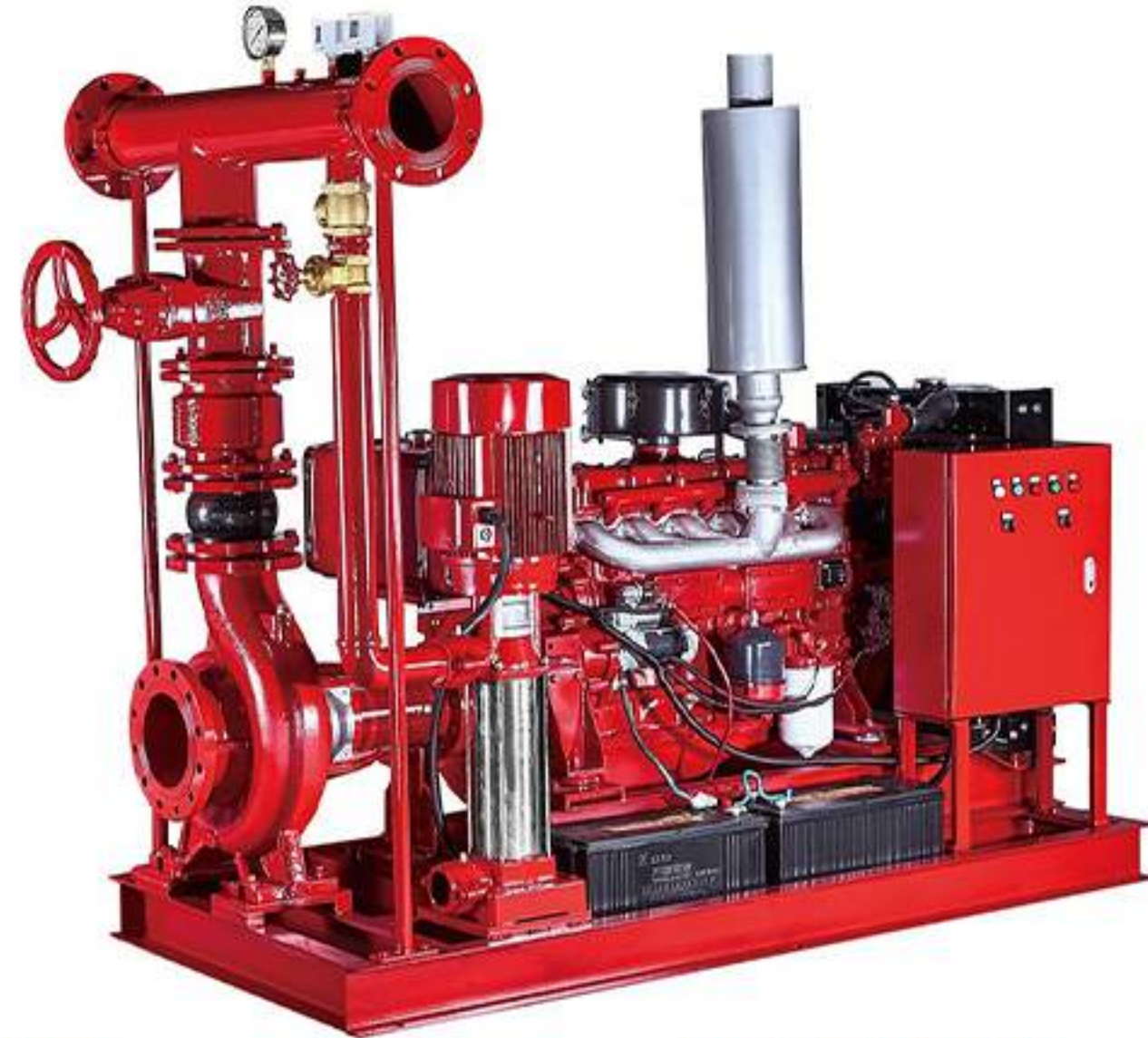
	Q	H	Electric		Diesel	Jockey	
			Option 1	Option 2	Coupling type	Option 1	Option 2
			Close coupled	Separate coupled		Plastic impeller	SS304 impeller
GPM	Bar						
PEDJ 500/14-125-125-15	500	14	PST 65-315/900 125HP	PSM 65-315/900 125HP	PSD 65-315/900 125HP	PV 30×11/15HP	PVT(S) 12-14 15HP
PEDJ 750/7-60-61-10	750	6-7	PST 80-250/450 60HP	PSM 80-250/450 60HP	PSD 80-250/450 61HP	PV 30×7/10HP	PVT(S) 16-8 10HP
PEDJ 750/8-75-75-10	750	8	PST 80-250/550 75HP	PSM 80-250/550 75HP	PSD 80-250/550 75HP	PV 30×7/10HP	PVT(S) 16-8 10HP
PEDJ 750/9-100-100-10	750	9	-	PSM 80-250/750 100HP	PSD 80-250/750 100HP	PV 30×7/10HP	PVT(S) 16-8 10HP
PEDJ 750/11-100-100-12	750	10-11	PST 80-315/750 100HP	PSM 80-315/750 100HP	PSD 80-315/750 100HP	PV 30×9/12HP	PVT(S) 16-10 15HP
PEDJ 750/13-125-125-15	750	12-13	PST 80-315/900 125HP	PSM 80-315/900 125HP	PSD 80-315/900 125HP	PV 30×11/15HP	PVT(S) 16-12 15HP
PEDJ 750/14-150-150-15	750	14	-	PSM 80-315/1100 150HP	PSD 80-315/1100 150HP	PV 30×11/15HP	PVT(S) 16-14 20HP
PEDJ 1000/8-100-100-10	1000	8	PST 100-250/750 100HP	PSM 100-250/750 100HP	PSD 100-250/750 100HP	PV 30×7/10HP	PVT(S) 20-8 15HP
PEDJ 1000/9-125-125-12	1000	9	PST 100-250/900 125HP	PSM 100-250/900 125HP	PSD 100-250/900 125HP	PV 30×9/12HP	PVT(S) 20-10 15HP
PEDJ 1000/11-150-150-12	1000	10-11	PST 100-315/1100 150HP	PSM 100-315/1100 150HP	PSD 100-315/1100 150HP	PV 30×9/12HP	PVT(S) 20-10 15HP
PEDJ 1000/12-180-170-15	1000	12	PST 100-315/1320 180HP	PSM 100-315/1320 180HP	PSD 100-315/1320 170HP	PV 30×11/15HP	PVT(S) 20-14 20HP
PEDJ 1000/14-220-225-20	1000	13-14	PST 100-315/1600 220HP	PSM 100-315/1600 220HP	PSD 100-315/1600 225HP	-	PVT(S) 20-14 20HP
PEDJ 1250/8-150-150-12	1250	8	-	PSM 125-250/1100 150HP	PSD 125-250/1100 150HP	PV 30×9/12HP	PVT(S) 32-60 15HP
PEDJ 1250/9-180-170-15	1250	9	-	PSM 125-315/1320 180HP	PSD 125-315/1320 170HP	PV 30×11/15HP	PVT(S) 32-60 15HP
PEDJ 1250/11-220-225-15	1250	10-11	-	PSM 125-315/1600 220HP	PSD 125-315/1600 225HP	PV 30×11/15HP	PVT(S) 32-80 20HP
PEDJ 1250/12-250-270-20	1250	12	-	PSM 125-315/1850 250HP	PSD 125-315/1850 270HP	-	PVT(S) 32-80 20HP
PEDJ 1250/13-270-270-25	1250	13	-	PSM 125-315/2000 270HP	PSD 125-315/2000 270HP	-	PVT(S) 32-100 25HP
PEDJ 1500/8-180-170-15	1500	8	-	PSM 125-250H/1320 180HP	PSD 125-250H/1320 170HP	PV 30×11/15HP	PVT(S) 32-80 20HP
PEDJ 1500/9-180-170-20	1500	9	-	PSM 125-315/1320 180HP	PSD 125-315/1320 170HP	-	PVT(S) 32-80 20HP
PEDJ 1500/10-220-225-20	1500	10	-	PSM 125-315/1600 220HP	PSD 125-315/1600 225HP	-	PVT(S) 32-80 20HP
PEDJ 1500/12-250-270-25	1500	11-12	-	PSM 125-315/1850 250HP	PSD 125-315/1850 270HP	-	PVT(S) 32-100 25HP
PEDJ 1500/13-270-270-25	1500	13	-	PSM 125-315/2000 270HP	PSD 125-315/2000 270HP	-	PVT(S) 32-100 25HP
PEDJ 2000/8-220-225-25	2000	8	-	PSM 150-250/1600 220HP	PSD 150-250/1600 225HP	-	PVT(S) 45-50 25HP
PEDJ 2000/9-270-270-25	2000	9	-	PSM 150-250/2000 270HP	PSD 150-250/2000 270HP	-	PVT(S) 45-50 25HP
PEDJ 2000/10-340-340-30	2000	10	-	PSM 150-315/2500 340HP	PSD 150-315/2500 340HP	-	PVT(S) 45-60 30HP
PEDJ 2000/13-430-410-40	2000	11-13	-	PSM 150-315/3150 430HP	PSD 150-315/3150 410HP	-	PVT(S) 45-70 40HP
PEDJ 2500/8-220-225-30	2500	8	-	PSM 150-250/1600 220HP	PSD 150-250/1600 225HP	-	PVT(S) 64-40 30HP
PEDJ 2500/9-270-270-40	2500	9	-	PSM 150-250/2000 270HP	PSD 150-250/2000 270HP	-	PVT(S) 64-50 40HP
PEDJ 2500/10-340-340-40	2500	10	-	PSM 150-315/2500 340HP	PSD 150-315/2500 340HP	-	PVT(S) 64-50 40HP
PEDJ 2500/12-430-410-40	2500	11-12	-	PSM 150-315/3150 430HP	PSD 150-315/3150 410HP	-	PVC(S) 64-60-2 40HP

PDJ PEJ PEEJ also available

Other model can provide on request

# PDJ FIRE FIGHTING SYSTEM

## SET WITH DIESEL + JOCKEY PUMP



### TECHNICAL SHEET

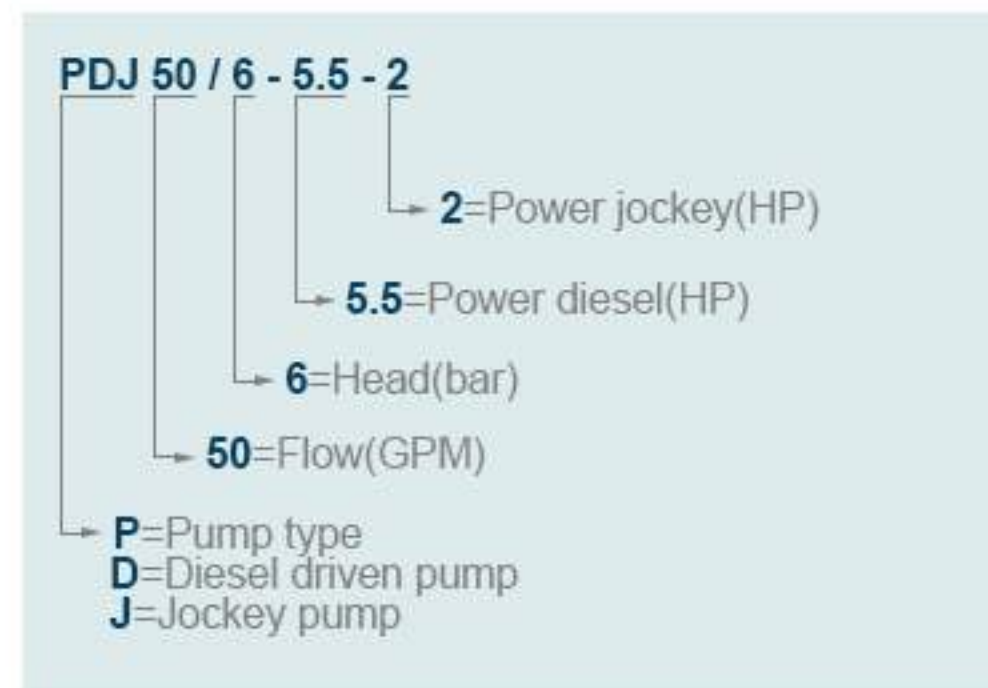
Model	PDJ
Capacity	50-1500GPM
Head	6-13bar
DN	25-400
speed	2900rpm
T max	-10°C-120°C
Power <sub>(Diesel)</sub>	5.5-170hp
Power <sub>(jockey)</sub>	2-15hp
Impeller	AISI 304/Cast iron/Brass
Shaft	AISI 304/galvanized iron
Shaft seal	Mechanical Seal
Bearing	Grease lubrication rolling bearing

Please refer to our fire fighting system catalogue for detail models and data.

### DESCRIPTION

- ◆ Switch Automatically among the three pumps
- ◆ Both Manual and Automatic operation is available
- ◆ Can work when the power is off
- ◆ Easy Installation
- ◆ Customized size and pump group
- ◆ YE3 high efficient motor with protection IP55 class F
- ◆ High performance and low power consumption
- ◆ Pump case with Anti-corrosive coating
- ◆ With quality NSK bearings, wear resistance mechanical seal
- ◆ Circuit available up on request
- ◆ Different Mounting Styles
- ◆ Low Maintenance Cost and available spare parts
- ◆ Electronic battery charger

### MODEL CODE



# PEJ FIRE FIGHTING SYSTEM

## SET WITH ELECTRIC + JOCKEY PUMP



### TECHNICAL SHEET

Model	PEJ
Capacity	50-1500GPM
Head	6-13bar
DN	25-400
speed	2900rpm
T max	-10°C-120°C
Power <sub>(Diesel)</sub>	5.5-170hp
Power <sub>(jockey)</sub>	2-15hp
Impeller	AISI 304/Cast iron/Brass
Shaft	AISI 304/galvanized iron
Shaft seal	Mechanical Seal
Bearing	Grease lubrication rolling bearing

Please refer to our fire fighting system catalogue for detail models and data.

### DESCRIPTION

- ◆ Switch Automatically among the three pumps
- ◆ Both Manual and Automatic operation is available
- ◆ Can work when the power is off
- ◆ Easy Installation
- ◆ Customized size and pump group
- ◆ YE3 high efficient motor with protection IP55 class F
- ◆ High performance and low power consumption
- ◆ Pump case with Anti-corrosive coating
- ◆ With quality NSK bearings, wear resistance mechanical seal
- ◆ Circuit available up on request
- ◆ Different Mounting Styles
- ◆ Low Maintenance Cost and available spare parts
- ◆ Electronic battery charger

### MODEL CODE

