

# DIESEL ENGINE

## WP3.2 Series

### Typical application



### Parameters

Fuel system : VE pump / common rail

Cylinders: 4

Bore × Stroke(mm): 98×105

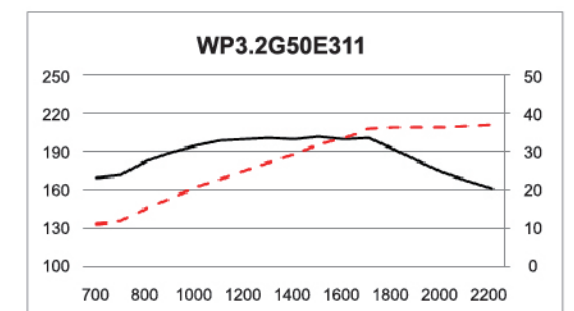
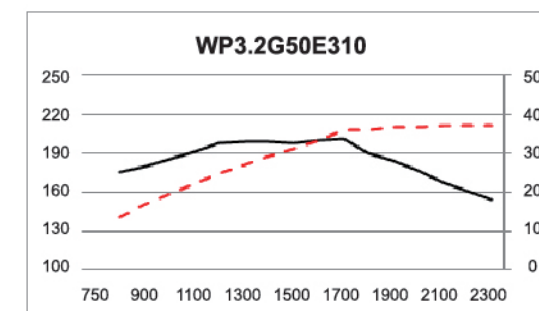
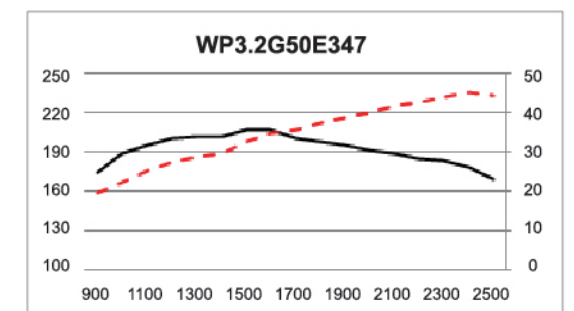
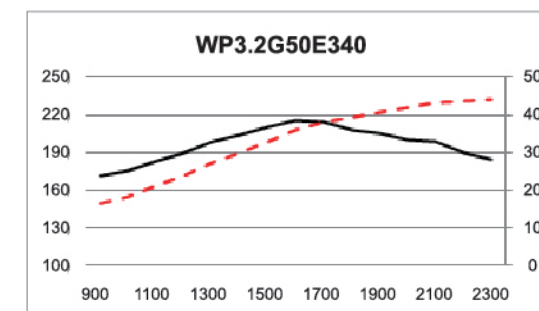
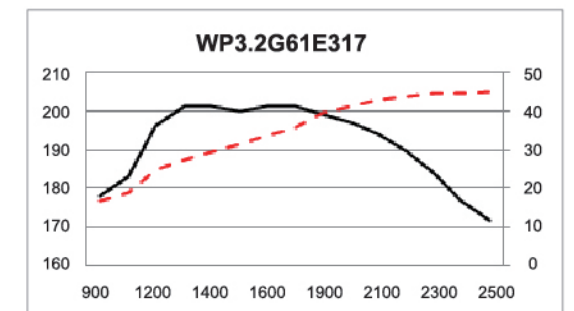
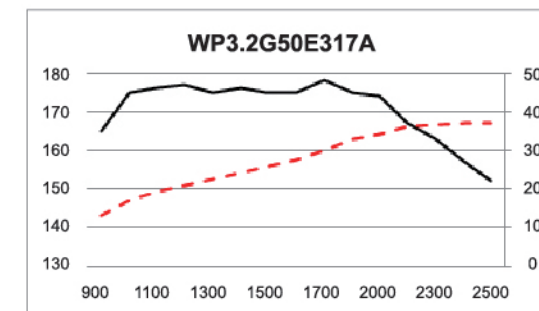
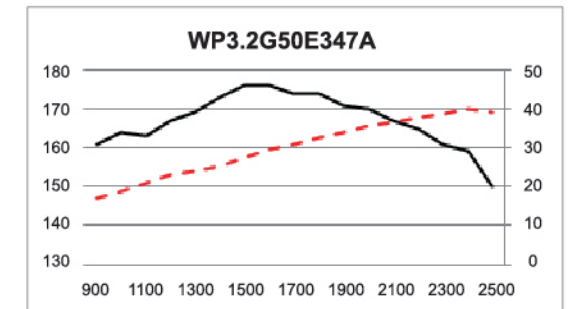
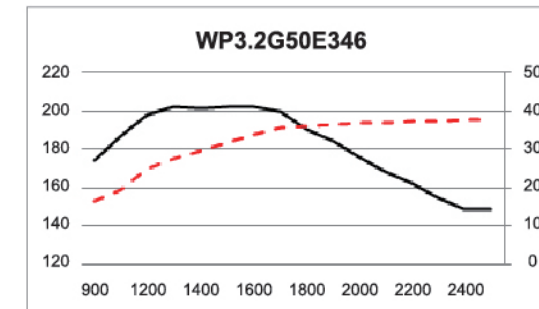
Displacement (L): 3.17

Length ×Width× Height(mm): 664×556×701

| Model         | Rated net power/Speed<br>(kW/rpm) | Max.torque/Speed<br>(N·m/rpm) | Application                               |
|---------------|-----------------------------------|-------------------------------|-------------------------------------------|
| WP3.2G50E346  | 36.8/2400                         | 200/1500-1700                 | Slide loader                              |
| WP3.2G50E347A | 36.8/2500                         | 175/1400-1700                 | Slide loader/Forklift                     |
| WP3.2G50E317A | 36.8/2500                         | 165/1400-1700                 | Slide loader/<br>Forklift/Aerial platform |
| WP3.2G61E317  | 45/2500                           | 200/1400-1700                 | Slide loader/forklift                     |
| WP3.2G50E341  | 36.8/2200                         | 200/1400-1700                 | Forklift                                  |
| WP3.2G50E340  | 36.8/2300                         | 190/1500-1700                 | Forklift                                  |
| WP3.2G50E347  | 36.8/2500                         | 200/1400-1700                 | Forklift                                  |
| WP3.2G50E311  | 36.8/2200                         | 200/1400-1700                 | Forklift                                  |
| WP3.2G50E310  | 36.8/2300                         | 200/1400-1700                 | Forklift                                  |

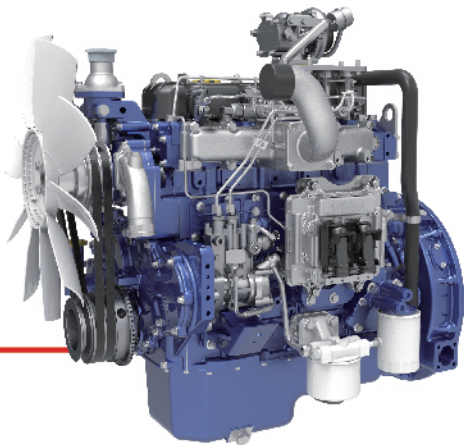
### Characteristic curve

★ — Torque(N·m) - - - Power(kW)



# DIESEL ENGINE

## WP4.1 Series



■ Typical application



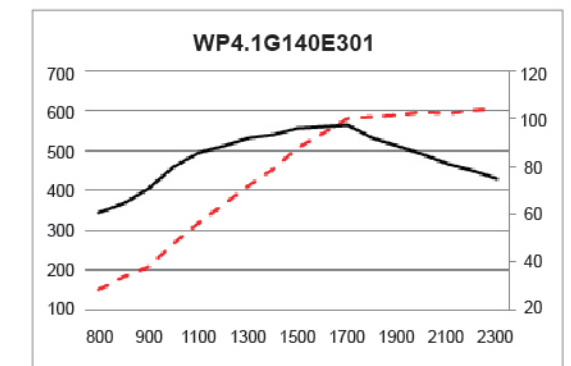
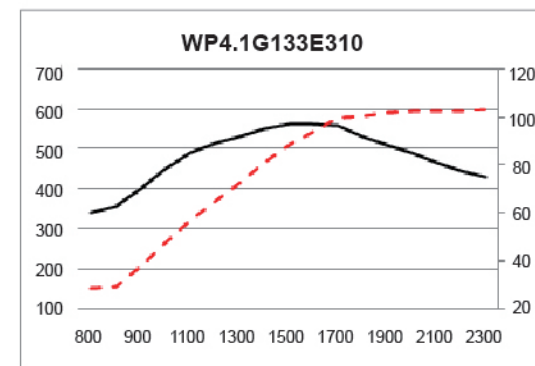
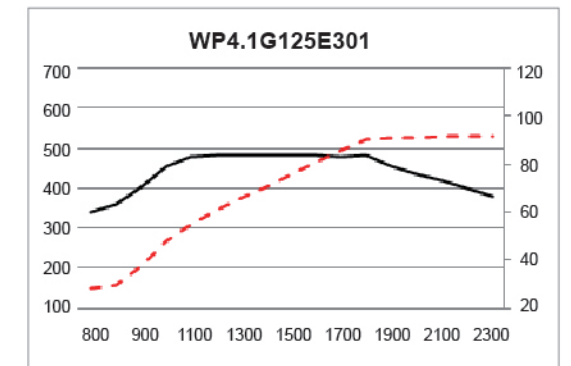
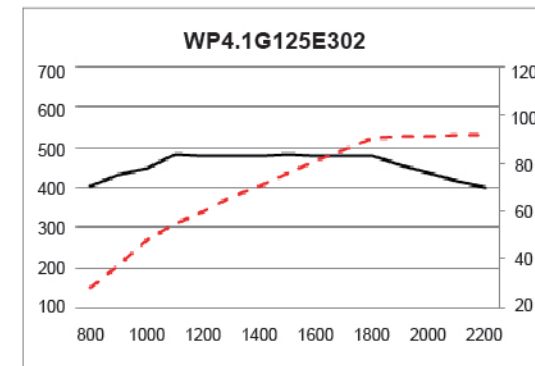
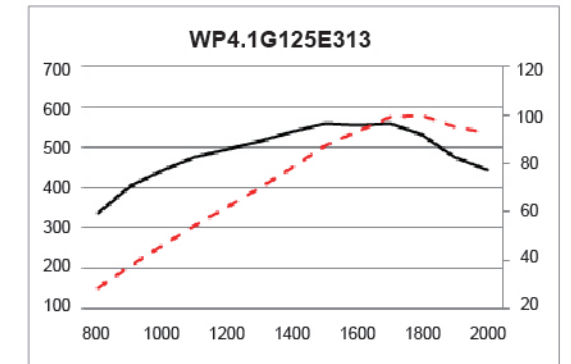
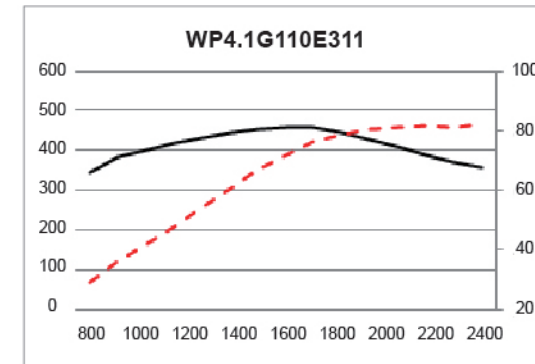
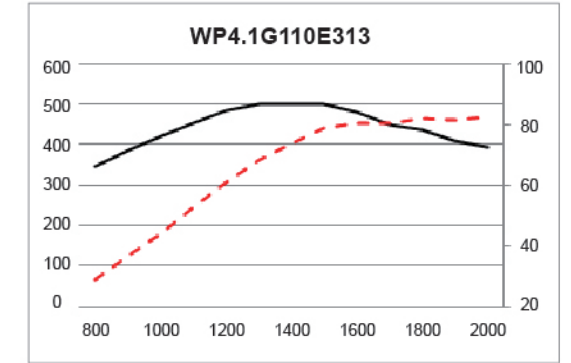
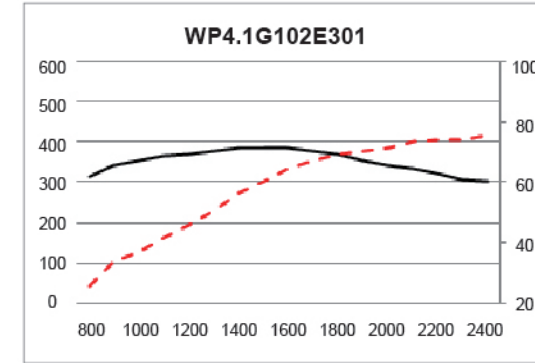
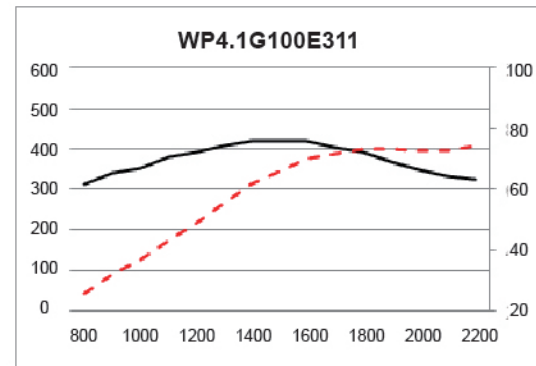
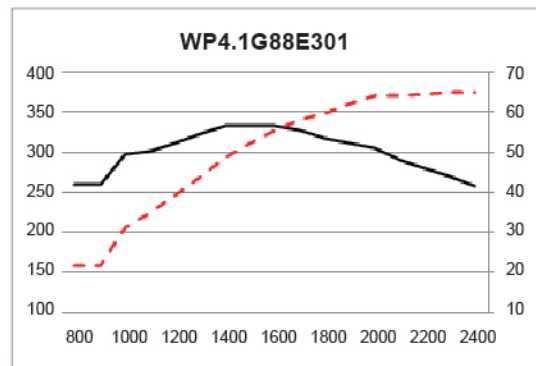
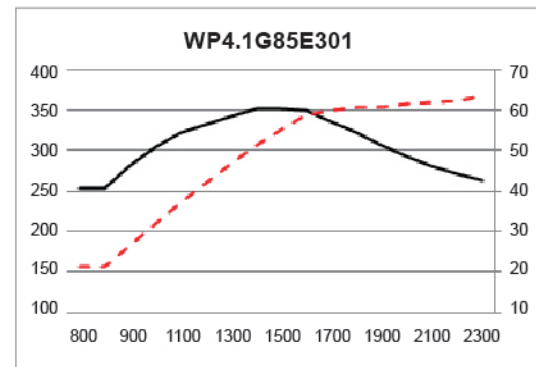
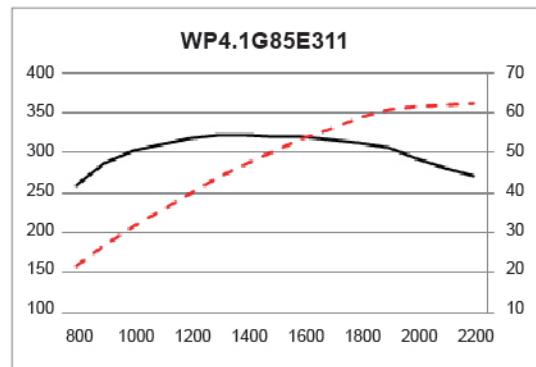
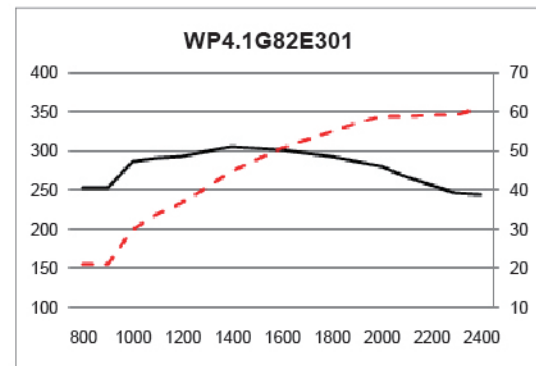
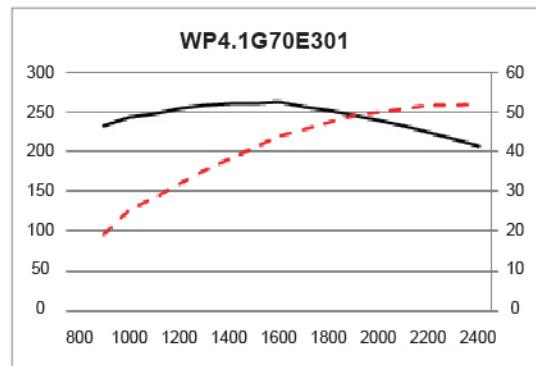
■ Parameters

Fuel system : common rail  
Cylinders: 4  
Bore × Stroke(mm): 105×118  
Displacement(L): 4.1  
Length ×Width× Height(mm): 947×611×947

| Model         | Rated net power/Speed (kW/rpm) | Max.torque/Speed (N·m/rpm) | Application                                           |
|---------------|--------------------------------|----------------------------|-------------------------------------------------------|
| WP4.1G70E301  | 52/2400                        | 260/1400-1800              | Excavator loader                                      |
| WP4.1G82E301  | 60/2400                        | 300/1400-1800              | Loader                                                |
| WP4.1G85E311  | 62.5/2200                      | 320/1300-1600              | Loader                                                |
| WP4.1G85E301  | 62.5/2300                      | 350/1400-1600              | Excavator loader/Forklift                             |
| WP4.1G88E301  | 65/2400                        | 330/1400-1800              | Loader                                                |
| WP4.1G100E311 | 74/2200                        | 395/1400-1600              | Excavator loader/Roller/Excavator                     |
| WP4.1G102E301 | 74.9/2400                      | 380/1400-1800              | Loader/Excavator loader                               |
| WP4.1G110E313 | 82/2000                        | 500/1300-1500              | Roller                                                |
| WP4.1G110E311 | 82/2200                        | 460/1400-1600              | Roller                                                |
| WP4.1G125E313 | 92/2000                        | 520/1300-1500              | Roller                                                |
| WP4.1G125E302 | 92/2200                        | 480/1600-1800              | Loader/Excavator loader/<br>Roller/Excavator/Forklift |
| WP4.1G125E301 | 92/2300                        | 480/1600-1800              | Roller                                                |
| WP4.1G133E310 | 98/2300                        | 515/1400-1600              | Roller                                                |
| WP4.1G140E301 | 103/2300                       | 520/1500-1700              | Loader/Excavator loader/Roller                        |

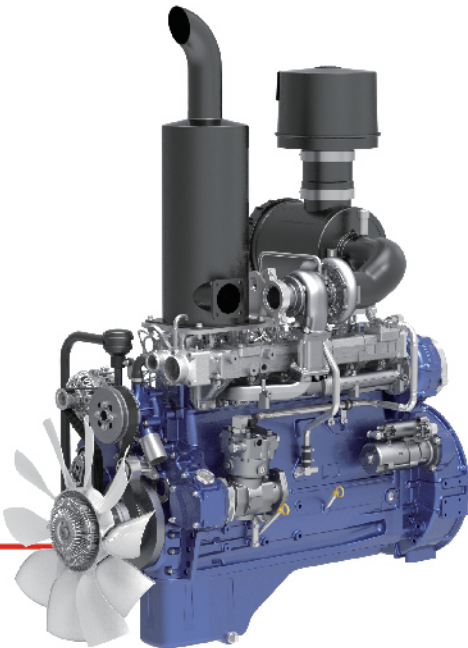
■ **Characteristic curve**

★ — Torque(N·m)    - - - Power(kW)

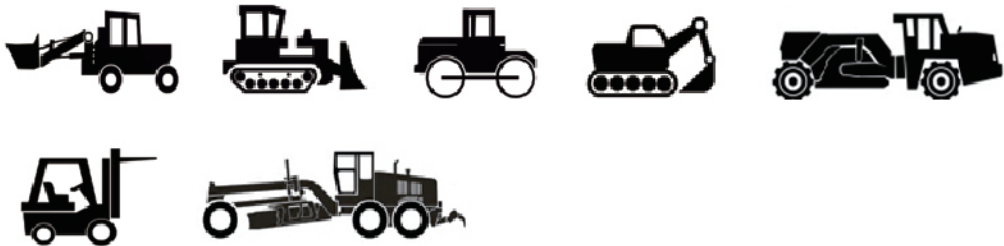


# DIESEL ENGINE

## WP6 Series



### Typical application



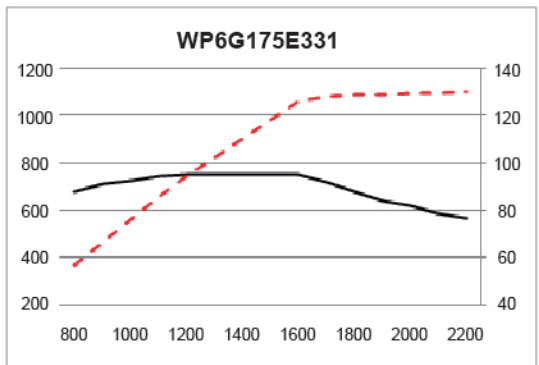
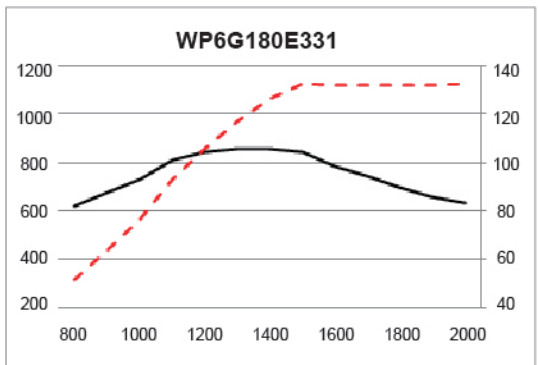
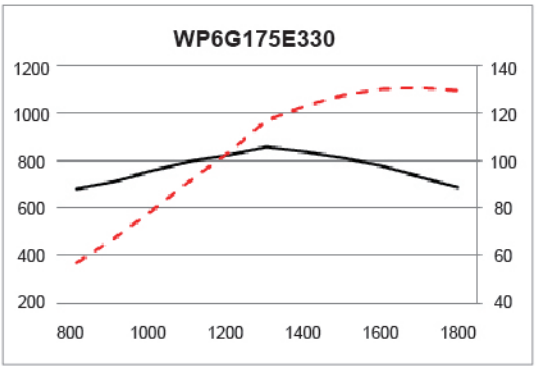
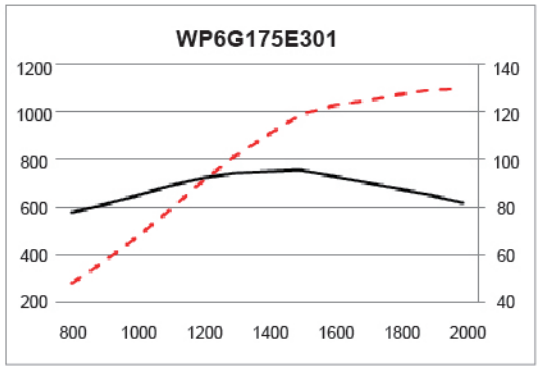
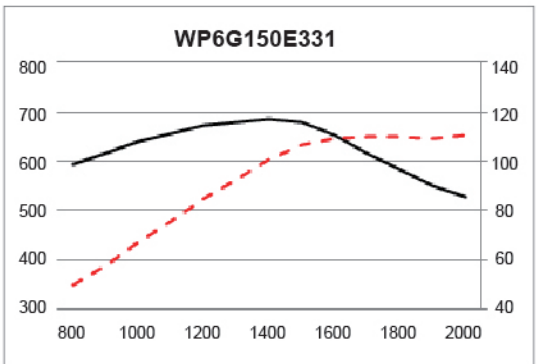
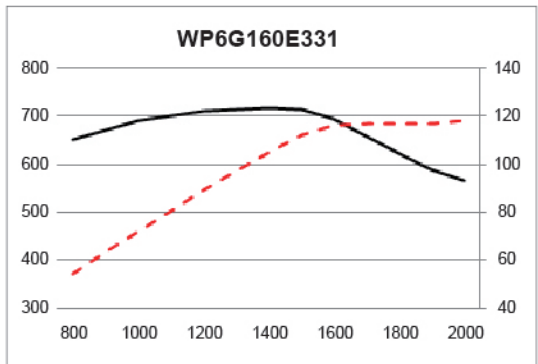
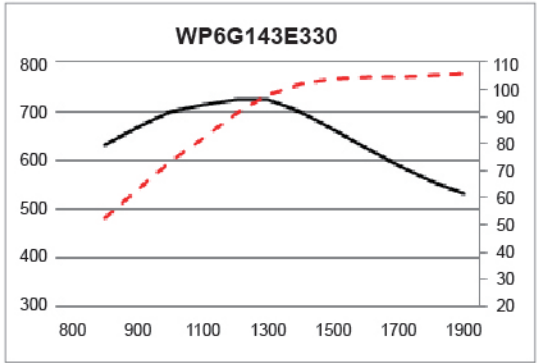
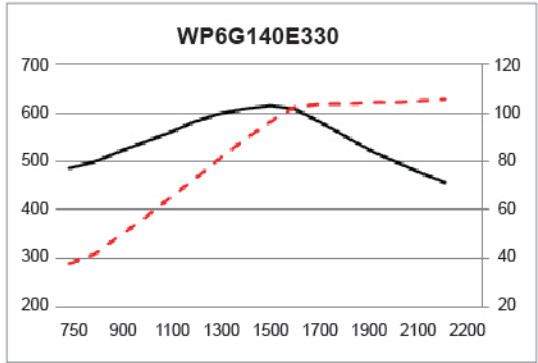
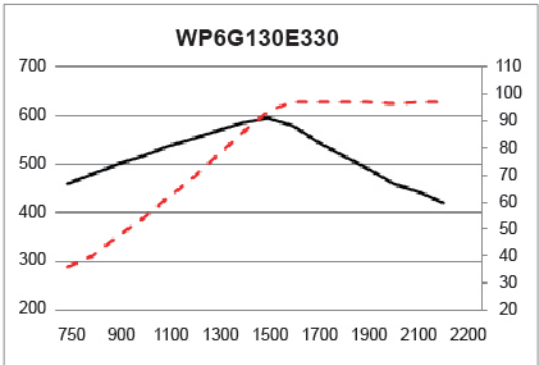
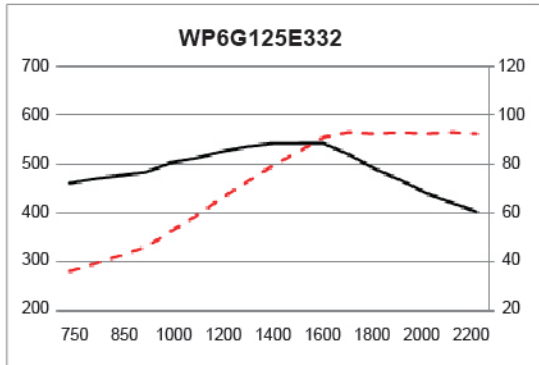
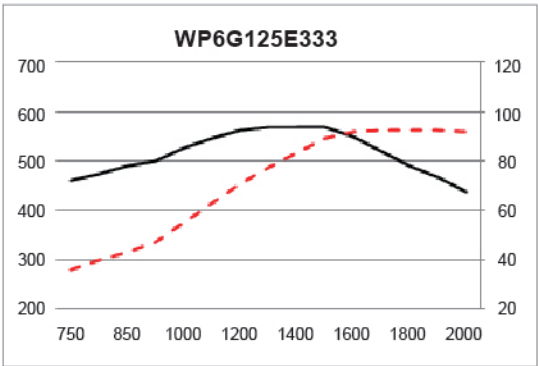
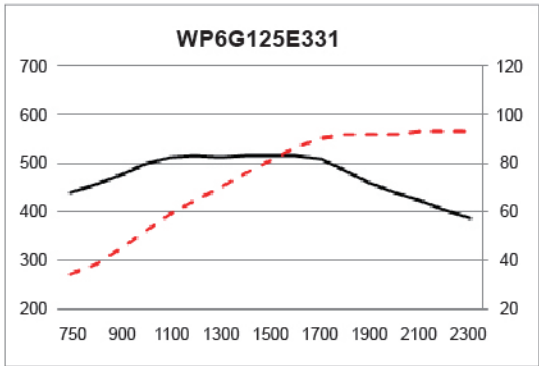
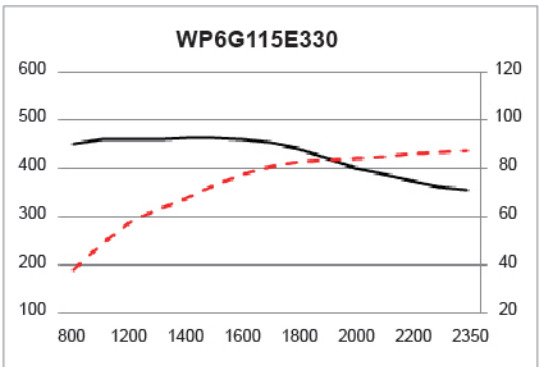
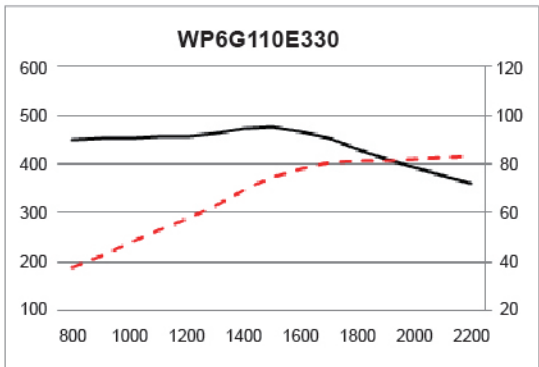
### Parameters

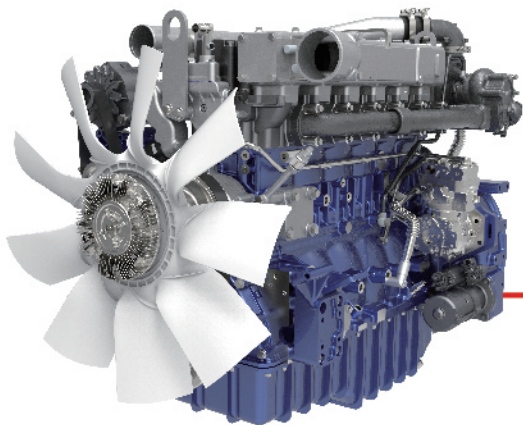
Fuel system : common rail  
 Cylinders: 6  
 Bore × Stroke(mm): 105×130  
 Displacement(L): 6.75  
 Length ×Width× Height(mm): 1178×640×919

| Model       | Rated net power/Speed (kW/rpm) | Max.torque/Speed (N·m/rpm) | Application                   |
|-------------|--------------------------------|----------------------------|-------------------------------|
| WP6G110E330 | 82/2200                        | 470/1400-1600              | Bulldozer                     |
| WP6G115E330 | 86/2350                        | 460/1400-1600              | Bulldozer                     |
| WP6G125E333 | 92/2000                        | 570/1300-1500              | Loader/Roller                 |
| WP6G125E332 | 92/2200                        | 540/1400-1600              | Loader/Bulldozer/Roller       |
| WP6G125E331 | 92/2300                        | 515/1400-1600              | Loader                        |
| WP6G130E330 | 97.5/2200                      | 600/1400-1600              | Loader                        |
| WP6G140E330 | 105/2200                       | 600/1400-1600              | Loader/Roller/Grader/Forklift |
| WP6G143E330 | 105/1900                       | 720/1200-1300              | Bulldozer                     |
| WP6G150E331 | 110/2000                       | 680/1300-1500              | Loader                        |
| WP6G160E331 | 118/2000                       | 720/1300-1500              | Roller                        |
| WP6G175E330 | 129/1800                       | 860/1200-1350              | Roller                        |
| WP6G175E301 | 129/2000                       | 760/1300-1500              | Loader/Roller/Excavator       |
| WP6G175E331 | 129/2200                       | 750/1400-1700              | Loader/Roller/Grader/Forklift |
| WP6G180E331 | 132.5/2000                     | 860/1200-1400              | Grader                        |
| WP6G185E331 | 136/1800                       | 860/1200-1350              | Roller                        |
| WP6G190E331 | 140/1800                       | 860/1200-1350              | Roller                        |
| WP6G190E301 | 140/2000                       | 900/1300-1500              | Roller                        |
| WP6G190E330 | 140/2200                       | 760/1400-1600              | Roller/Grader/Forklift        |
| WP6G200E331 | 147/2000                       | 900/1400-1600              | Roller                        |
| WP6G200E330 | 147/2200                       | 860/1400-1600              | Roller/Grader                 |
| WP6G210E330 | 154/2200                       | 860/1400-1600              | Roller/Grader                 |

■ **Characteristic curve**

★ — Torque(N·m)    - - - Power(kW)





# DIESEL ENGINE

WP7 Series

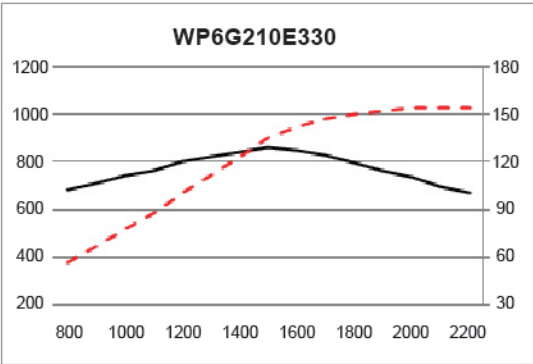
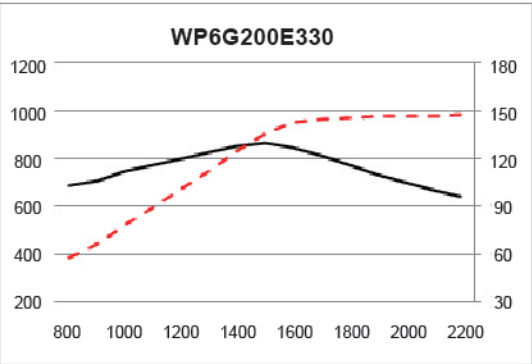
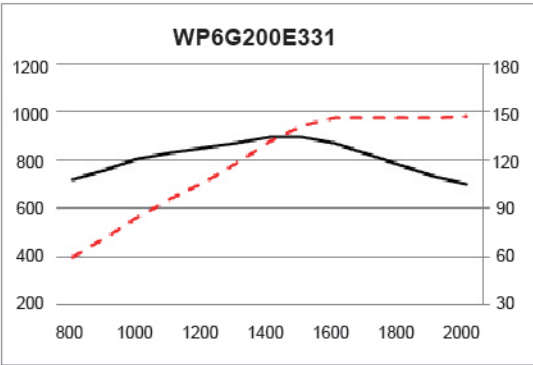
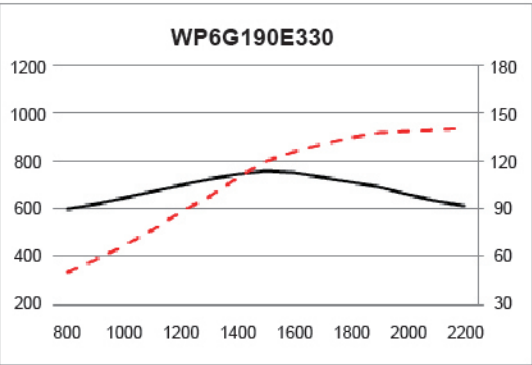
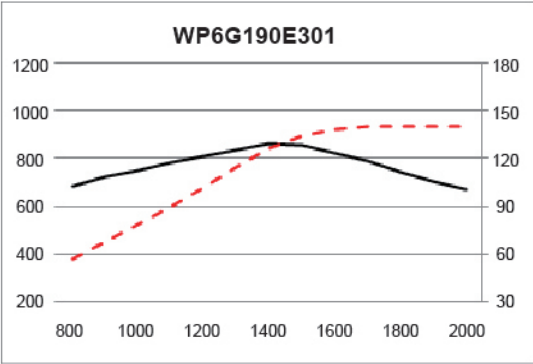
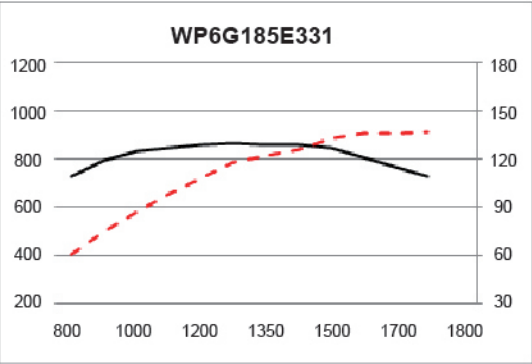
## Typical application



## Parameters

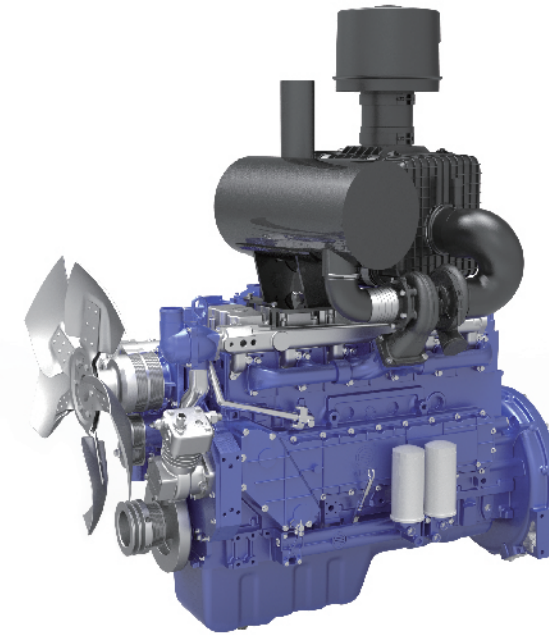
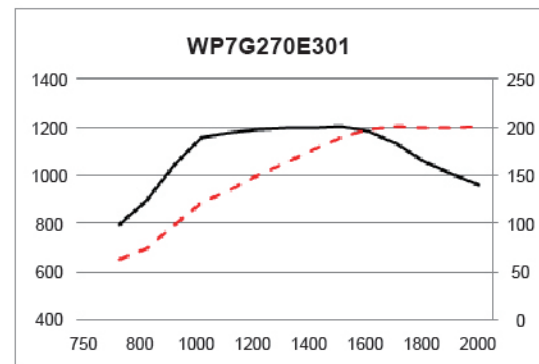
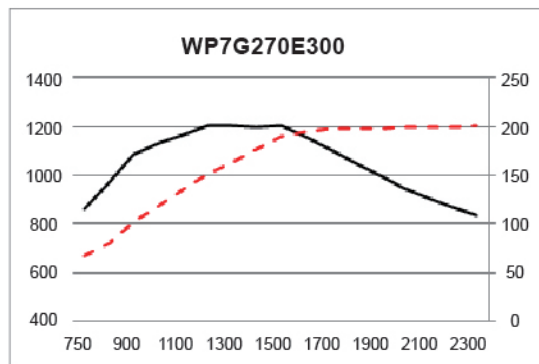
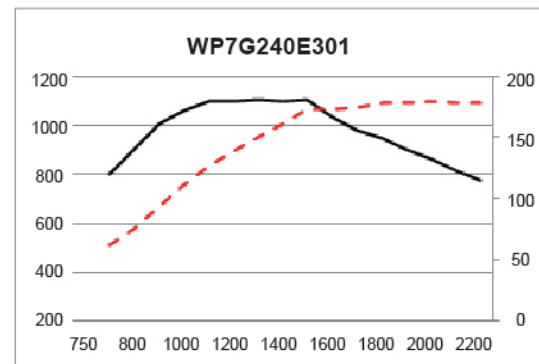
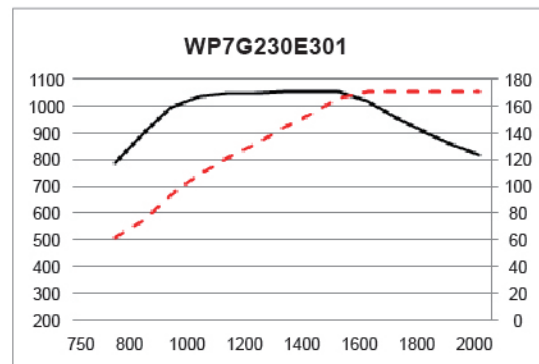
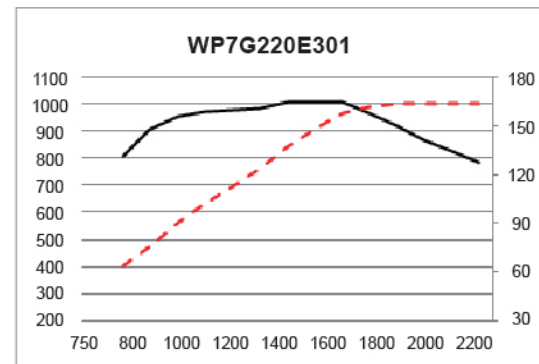
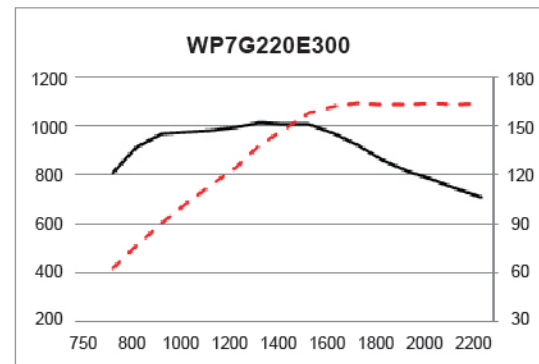
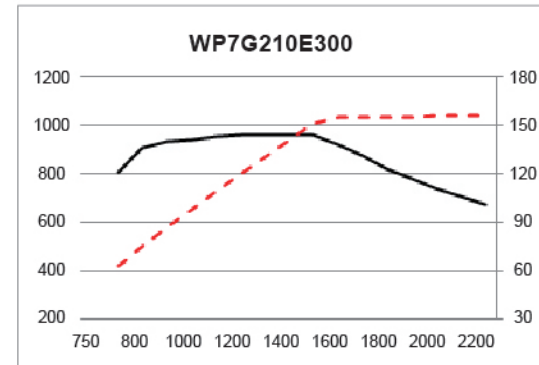
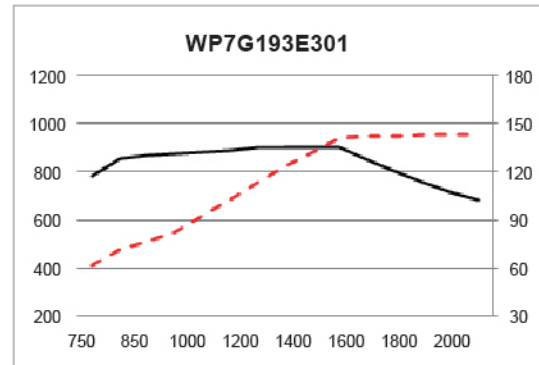
Fuel system : common rail  
 Cylinders: 6  
 Bore × Stroke(mm): 108×136  
 Displacement(L): 7.47  
 Length ×Width× Height(mm): 1155×813×985

| Model       | Rated net power/Speed (kW/rpm) | Max.torque/Speed (N·m/rpm) | Application   |
|-------------|--------------------------------|----------------------------|---------------|
| WP7G193E301 | 142/2000                       | 900/1400-1500              | Excavator     |
| WP7G210E301 | 154/2000                       | 980/1300-1500              | Loader        |
| WP7G210E300 | 154/2200                       | 950/1300-1500              | Loader/Grader |
| WP7G220E301 | 162/2000                       | 1000/1300-1500             | Loader        |
| WP7G220E300 | 162/2200                       | 1000/1300-1500             | Loader/Grader |
| WP7G230E301 | 170/2000                       | 1050/1200-1500             | Excavator     |
| WP7G240E301 | 176/2200                       | 1100/1300-1500             | Roller/Grader |
| WP7G270E301 | 199/2000                       | 1200/1200-1500             | Excavator     |
| WP7G270E300 | 199/2300                       | 1200/1200-1500             | Grader        |



## ■ Characteristic curve

★ — Torque(N·m)    - - - Power(kW)



# DIESEL ENGINE

WP10 Series

## ■ Typical application



## ■ Parameters

Fuel system : common rail

Cylinders: 6

Bore × Stroke(mm): 126×130

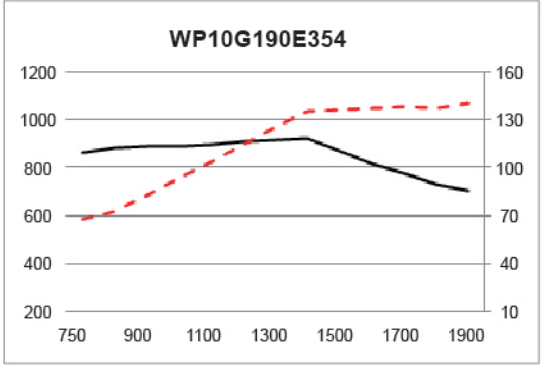
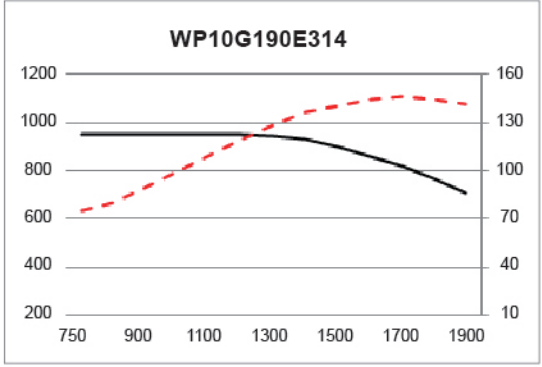
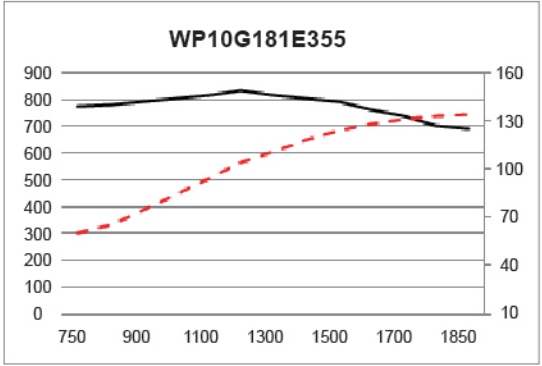
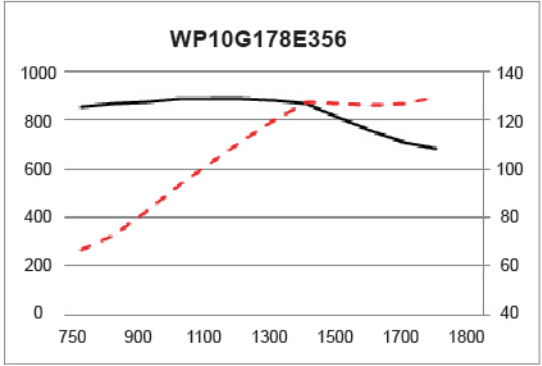
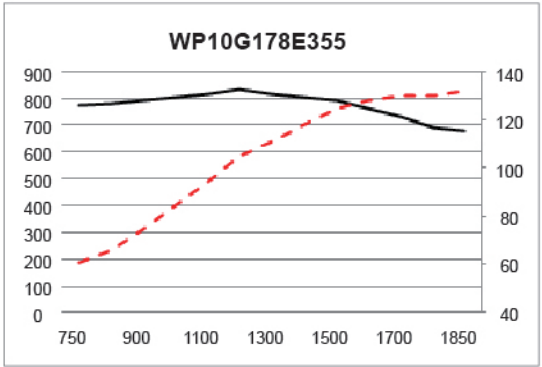
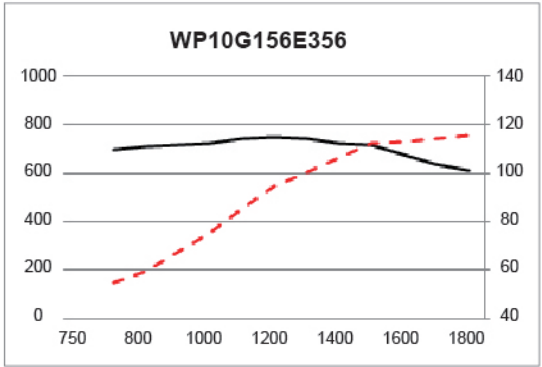
Displacement(L): 9.7

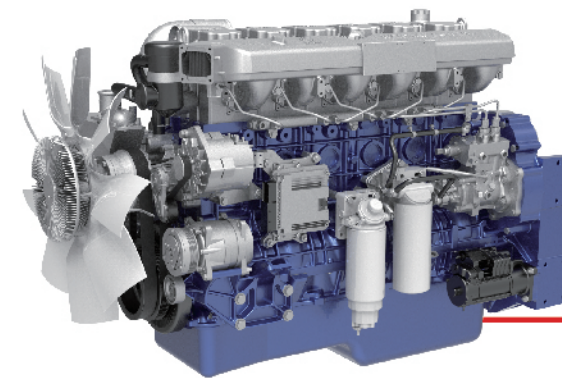
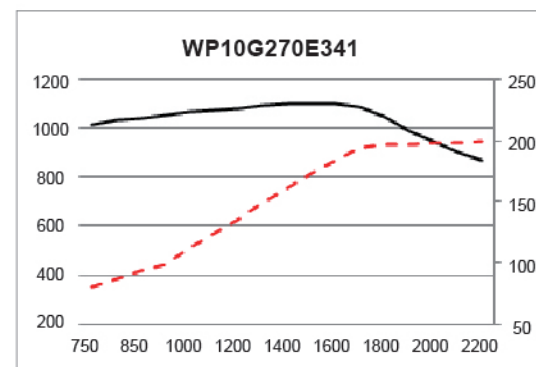
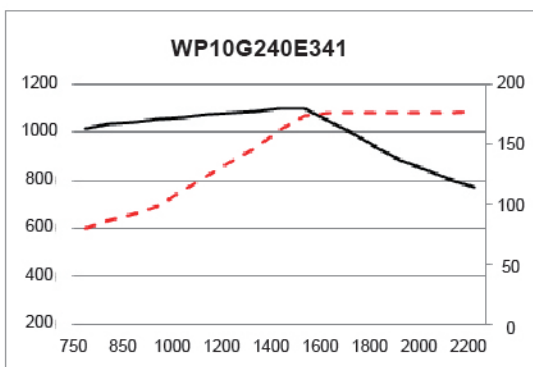
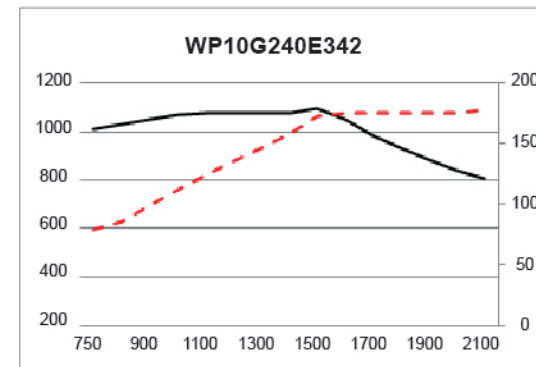
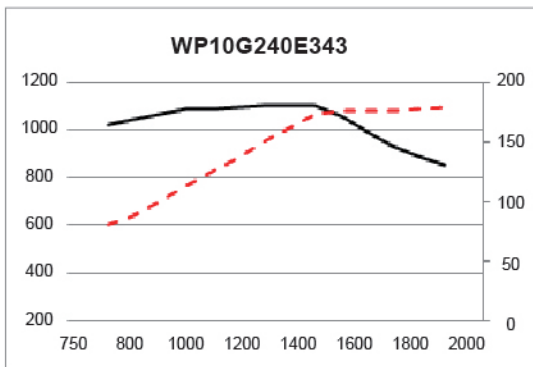
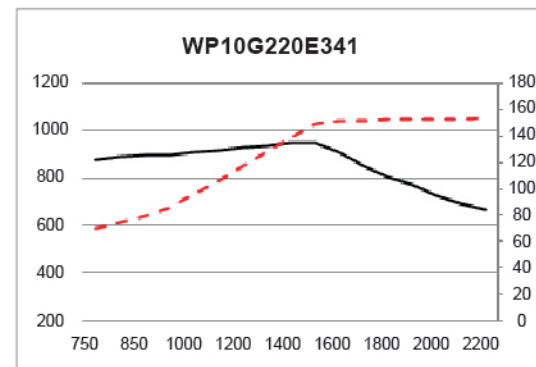
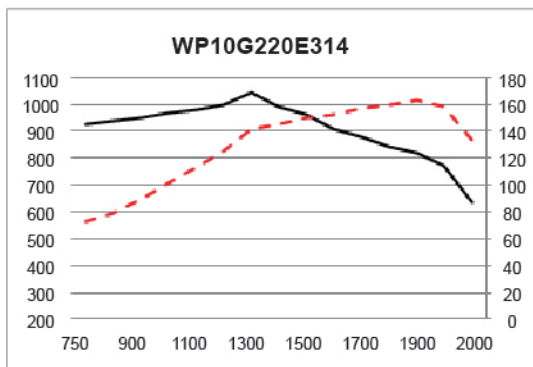
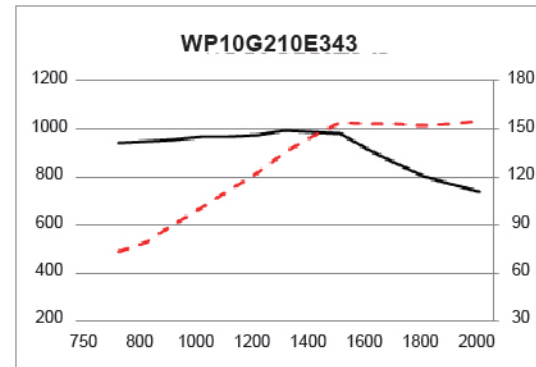
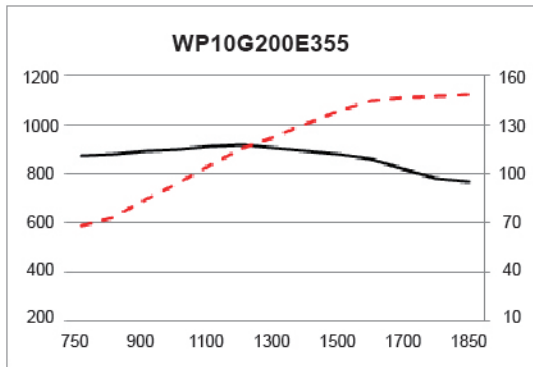
Length ×Width× Height(mm): 1527×870×1870

■ Characteristic curve

★ — Torque(N·m)    - - - Power(kW)

| Model        | Rated net power/Speed<br>(kW/rpm) | Max.torque/Speed<br>(N·m/rpm) | Application            |
|--------------|-----------------------------------|-------------------------------|------------------------|
| WP10G156E356 | 115/1800                          | 750/1100-1200                 | Bulldozer              |
| WP10G178E355 | 131/1850                          | 830/1000-1200                 | Bulldozer              |
| WP10G178E356 | 129/1800                          | 890/1000-1200                 | Bulldozer              |
| WP10G181E355 | 133/1850                          | 830/1000-1200                 | Bulldozer              |
| WP10G190E314 | 140/1900                          | 955/1300-1500                 | Bulldozer              |
| WP10G190E354 | 140/1900                          | 900/1300-1500                 | Bulldozer              |
| WP10G200E355 | 148/1850                          | 920/1100-1200                 | Bulldozer              |
| WP10G210E343 | 154/2000                          | 980/1300-1500                 | Loader                 |
| WP10G220E314 | 162/1900                          | 1035/1200-1400                | Bulldozer              |
| WP10G220E343 | 162/2000                          | 980/1300-1500                 | Loader                 |
| WP10G220E341 | 162/2200                          | 950/1400-1600                 | Loader/Roller/Forklift |
| WP10G240E343 | 178/2000                          | 1100/1300-1500                | Loader                 |
| WP10G240E342 | 178/2100                          | 1100/1300-1500                | Loader                 |
| WP10G240E341 | 178/2200                          | 1100/1400-1600                | Loader/Roller/Forklift |
| WP10G270E341 | 199/2200                          | 1100/1400-1600                | Loader/Roller/Forklift |





# DIESEL ENGINE

WP12/13 Series

## Typical application



## Parameters

### WP12

Fuel system : common rail

Cylinders: 6

Bore × Stroke(mm): 126×155

Displacement(L): 11.596

Length ×Width× Height(mm): 1610×817×1094

### WP13

Fuel system : common rail

Cylinders: 6

Bore × Stroke(mm): 127 ×165

Displacement(L): 12.54

Length ×Width× Height(mm): 1610×817×1094

■ Characteristic curve

★ — Torque(N·m)    - - - Power(kW)

| Model        | Rated net power/Speed (kW/rpm) | Max.torque/Speed (N·m/rpm) | Application              |
|--------------|--------------------------------|----------------------------|--------------------------|
| WP12G336E350 | 247/2200                       | 1400/1400-1600             | Roller                   |
| WP12G340E311 | 250/2100                       | 1800/1300-1500             | Loader/Rorklift          |
| WP12G375E350 | 276/2200                       | 1550/1400-1600             | Roller                   |
| WP12G375E300 | 276/1900                       | 1800/1000-1400             | Excavator                |
| WP12G380E310 | 280/2100                       | 1650/1200-1600             | Wide body dumper         |
| WP12G400E300 | 294/1900                       | 1920/ 1400                 | Excavator                |
| WP12G400E310 | 294/2100                       | 1780/1200-1500             | Roller                   |
| WP12G430E300 | 316/1900                       | 2060/ 1400                 | Excavator/Road machinery |
| WP12G460E300 | 338/1900                       | 2110/1000-1400             | Road machinery           |
| WP12G480E310 | 353/2100                       | 2100/1200-1500             | Road machinery           |
| WP13G480E310 | 353/2100                       | 2100/1200-1600             | Wide body dumper         |
| WP13G500E310 | 368/2100                       | 2180/1200-1600             | Wide body dumper         |
| WP13G530E310 | 390/2100                       | 2300/1200-1600             | Wide body dumper         |

