

# HYUNDAI DX08



INDUSTRIAL



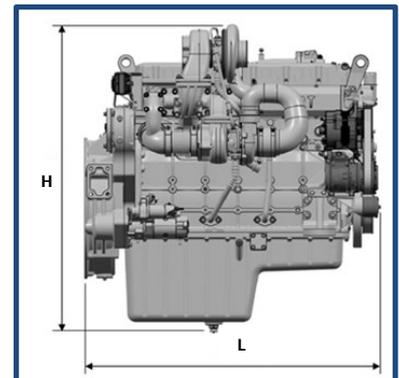
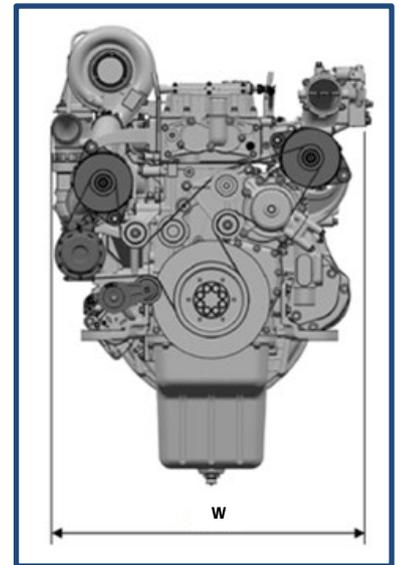
## Power Rating

| Engine Suffix | Max. Power<br>kW (HP) / rpm | Max. Torque<br>Nm (kg.m) / rpm | Emission   | After<br>Treatment<br>System |
|---------------|-----------------------------|--------------------------------|--|------------------------------|
| MFP00/LEP00   | 254.4 (341.2) / 2,200       | 1,460 (148.9) / 1,300          | [MFP]<br>Stage V/<br>Tier4Final<br>[LEP]<br>Tier4Final | DOC+DPF+SCR<br>(No EGR)      |
| MFP01/LEP01   | 227.1(304.5) / 1,800        | 1,230(125.4) / 1,300           |  |                              |
| MFP02/LEP02   | 207.3(278.0) / 2,200        | 1 230(125.4) / 1 300           |  |                              |

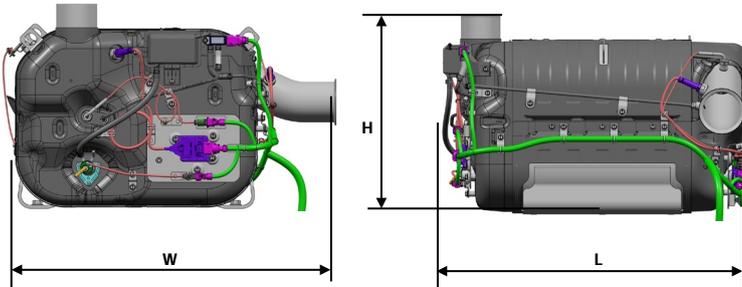


## Engine Specifications

|                           |  |
|---------------------------|--|
| Engine Model              | DX08   |
| Cylinders and Arrangement | 6-cylinder / In-line type  |
| Valve System Type         | Over head valve  |
| Bore x Stroke             | 110 x 132 mm   |
| Displacement              | 7.527 liter  |
| Compression Ratio         | 16.6 : 1   |
| Rotation                  | Counterclockwise viewed from Flywheel  |
| Firing Order              | 1-5-3-6-2-4  |
| Fuel System               | Common rail pump<br>Direct injection controlled by ECU   |
| Aspiration                | Turbo charger & Intercooler  |
| After Treatment System    | DOC + DPF + SCR  |
| Water Flow                | 400 liter/min @2,200 rpm (254kW)<br>325 liter/min @1,800 rpm (227kW)<br>400 liter/min @2,200 rpm (207kW) |
| Cooling Method            | Fresh water forced circulation   |
| Dimension (L x W x H)     | 2-Stage : 1,147 x 988 x 1,180 mm<br>Single : 1,147 x 934 x 1,133 mm                                      |
| Dry Weight(w/o Fan & ATS) | 2-Stage : 880 kg, Single : 838 kg  |



### Aftertreatment Unit

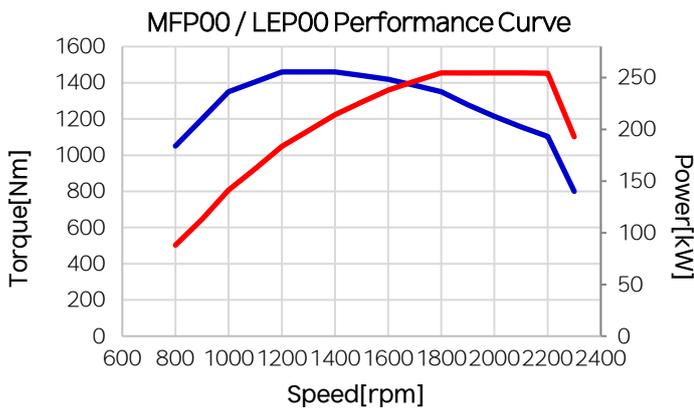


Dimension (mm)

| L   | W   | H   |
|-----|-----|-----|
| 790 | 831 | 513 |

### Performance Curve

#### 2-Stage

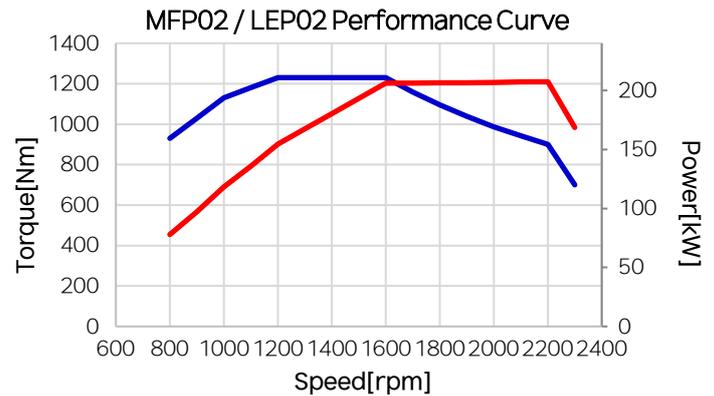
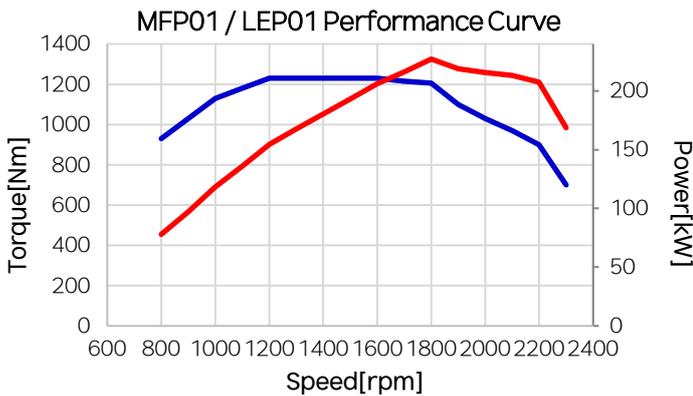


| DX08-MFP00 / LEP00 |       |       |       |        |       |
|--------------------|-------|-------|-------|--------|-------|
| Speed<br>rpm       | Power |       |       | Torque |       |
|                    | kW    | PS    | HP    | Nm     | kgf.m |
| 800                | 88.0  | 119.6 | 118.0 | 1050.0 | 107.1 |
| 900                | 113.1 | 153.8 | 151.7 | 1200.0 | 122.4 |
| 1000               | 141.4 | 192.2 | 189.6 | 1350.0 | 137.7 |
| 1100               | 161.8 | 220.0 | 217.0 | 1405.0 | 143.3 |
| 1200               | 183.5 | 249.4 | 246.0 | 1460.0 | 148.9 |
| 1300               | 198.8 | 270.2 | 266.5 | 1460.0 | 148.9 |
| 1400               | 214.0 | 291.0 | 287.0 | 1460.0 | 148.9 |
| 1500               | 226.2 | 307.5 | 303.3 | 1440.0 | 146.8 |
| 1600               | 237.9 | 323.5 | 319.1 | 1420.0 | 144.8 |
| 1700               | 246.6 | 335.2 | 330.6 | 1385.0 | 141.2 |
| 1800               | 254.5 | 346.0 | 341.2 | 1350.0 | 137.7 |
| 1900               | 254.5 | 346.0 | 341.3 | 1279.0 | 130.4 |
| 2000               | 254.5 | 346.0 | 341.2 | 1215.0 | 123.9 |
| 2100               | 254.4 | 345.9 | 341.2 | 1157.0 | 118.0 |
| 2200               | 254.4 | 345.9 | 341.1 | 1104.2 | 112.6 |
| 2300               | 192.7 | 262.0 | 258.4 | 800.0  | 81.6  |

※ Specifications are subject to change without prior notice.

### Performance Curve

#### Single



| DX08-MFP01 / LEP01 |       |       |       |        |       |
|--------------------|-------|-------|-------|--------|-------|
| Speed<br>rpm       | Power |       |       | Torque |       |
|                    | kW    | PS    | HP    | Nm     | kgf.m |
| 800                | 77.9  | 105.9 | 104.5 | 930.0  | 94.8  |
| 900                | 97.1  | 132.0 | 130.2 | 1030.0 | 105.0 |
| 1000               | 118.3 | 160.9 | 158.7 | 1130.0 | 115.2 |
| 1100               | 135.9 | 184.8 | 182.3 | 1180.0 | 120.3 |
| 1200               | 154.6 | 210.1 | 207.3 | 1230.0 | 125.4 |
| 1300               | 167.4 | 227.7 | 224.5 | 1230.0 | 125.4 |
| 1400               | 180.3 | 245.2 | 241.8 | 1230.0 | 125.4 |
| 1500               | 193.2 | 262.7 | 259.1 | 1230.0 | 125.4 |
| 1600               | 206.1 | 280.2 | 276.4 | 1230.0 | 125.4 |
| 1700               | 216.3 | 294.1 | 290.1 | 1215.0 | 123.9 |
| 1800               | 227.1 | 308.8 | 304.6 | 1205.0 | 122.9 |
| 1900               | 218.9 | 297.6 | 293.5 | 1100.0 | 112.2 |
| 2000               | 215.7 | 293.3 | 289.3 | 1030.0 | 105.0 |
| 2100               | 213.3 | 290.0 | 286.1 | 970.0  | 98.9  |
| 2200               | 207.3 | 281.9 | 278.0 | 900.0  | 91.8  |
| 2300               | 168.6 | 229.2 | 226.1 | 700.0  | 71.4  |

| DX08-MFP02 / LEP02 |       |       |       |        |       |
|--------------------|-------|-------|-------|--------|-------|
| Speed<br>rpm       | Power |       |       | Torque |       |
|                    | kW    | PS    | HP    | Nm     | kgf.m |
| 800                | 77.9  | 105.9 | 104.5 | 930.0  | 94.8  |
| 900                | 97.1  | 132.0 | 130.2 | 1030.0 | 105.0 |
| 1000               | 118.3 | 160.9 | 158.7 | 1130.0 | 115.2 |
| 1100               | 135.9 | 184.8 | 182.3 | 1180.0 | 120.3 |
| 1200               | 154.6 | 210.1 | 207.3 | 1230.0 | 125.4 |
| 1300               | 167.4 | 227.7 | 224.5 | 1230.0 | 125.4 |
| 1400               | 180.3 | 245.2 | 241.8 | 1230.0 | 125.4 |
| 1500               | 193.2 | 262.7 | 259.1 | 1230.0 | 125.4 |
| 1600               | 206.1 | 280.2 | 276.4 | 1230.0 | 125.4 |
| 1700               | 206.2 | 280.3 | 276.4 | 1158.0 | 118.1 |
| 1800               | 206.4 | 280.6 | 276.8 | 1095.0 | 111.7 |
| 1900               | 206.5 | 280.8 | 277.0 | 1038.0 | 105.8 |
| 2000               | 206.7 | 281.1 | 277.2 | 987.0  | 100.6 |
| 2100               | 207.2 | 281.7 | 277.8 | 942.0  | 96.1  |
| 2200               | 207.3 | 281.9 | 278.0 | 900.0  | 91.8  |
| 2300               | 168.6 | 229.2 | 226.1 | 700.0  | 71.4  |

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