

DGR-04-006

	21	22	23
NO.	CHANGE NO.	DESCRIPTION	DATE DR DS CH AP

SPECIFICATION	
MANUFACTURER	HD HYUNDAI INFRACORE
MODEL	DM03VP
ASPIRATION	TURBOCHARGED AND INTERCOOLED
DISPLACEMENT	3409cc
ENGINE MODEL(Code No.)	DM03-MFG05
EMISSION LEVEL	STAGE 5
TYPE OF FUEL	ULTRA LOW SULFUR DIESEL
ENGINE OPERATION SLOPE LIMIT	35° CONTINUOUS
PAINT COLOR	TITANIUM BLACK
COOLING MEDIUM	LIQUID
CRANKCASE VENTILATION	CCV
H _Z / RPM	50Hz / 1,500rpm
STAND-BY (kWm / Ps)	95.8 / 130.3
PRIME (kWm / Ps)	92.4 / 125.7
H _Z / RPM	60Hz / 1,800rpm
STAND-BY (kWm / Ps)	113.1 / 153.8
PRIME (kWm / Ps)	102.8 / 139.8

NOTES
1. APPLY ANTI-RUST TO ALL UNPAINED STEEL SURFACES.
2. NO PAINT ON SURFACE MARKED ① , AND RUBBER CAP MARKED ② .
 NO PAINT ON HEAD COVER TOP SIDE AND WATER PUMP PULLEY.
 → REFER TO DRAWING 150109-04097A (Power Unit 135hp)
3. OIL FILLER CAP AND DIPSTICK HANDLE COLOR TO BE YELLOW.
4. WIRE HARNESS ASSY, ECU, MAF SENSOR, EXHAUST TEMPERATURE SENSOR NOT EXPRESSED.
4. ENGINE DRY WEIGHT : 578kg, (535kg : EXCEPT MOUNTING BRACKETS)

ENGINE SPECIFICATION

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STAND-BY (kWm / Ps)	95.8 / 130.3
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Hz / RPM	60Hz / 1,800rpm
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NOTES

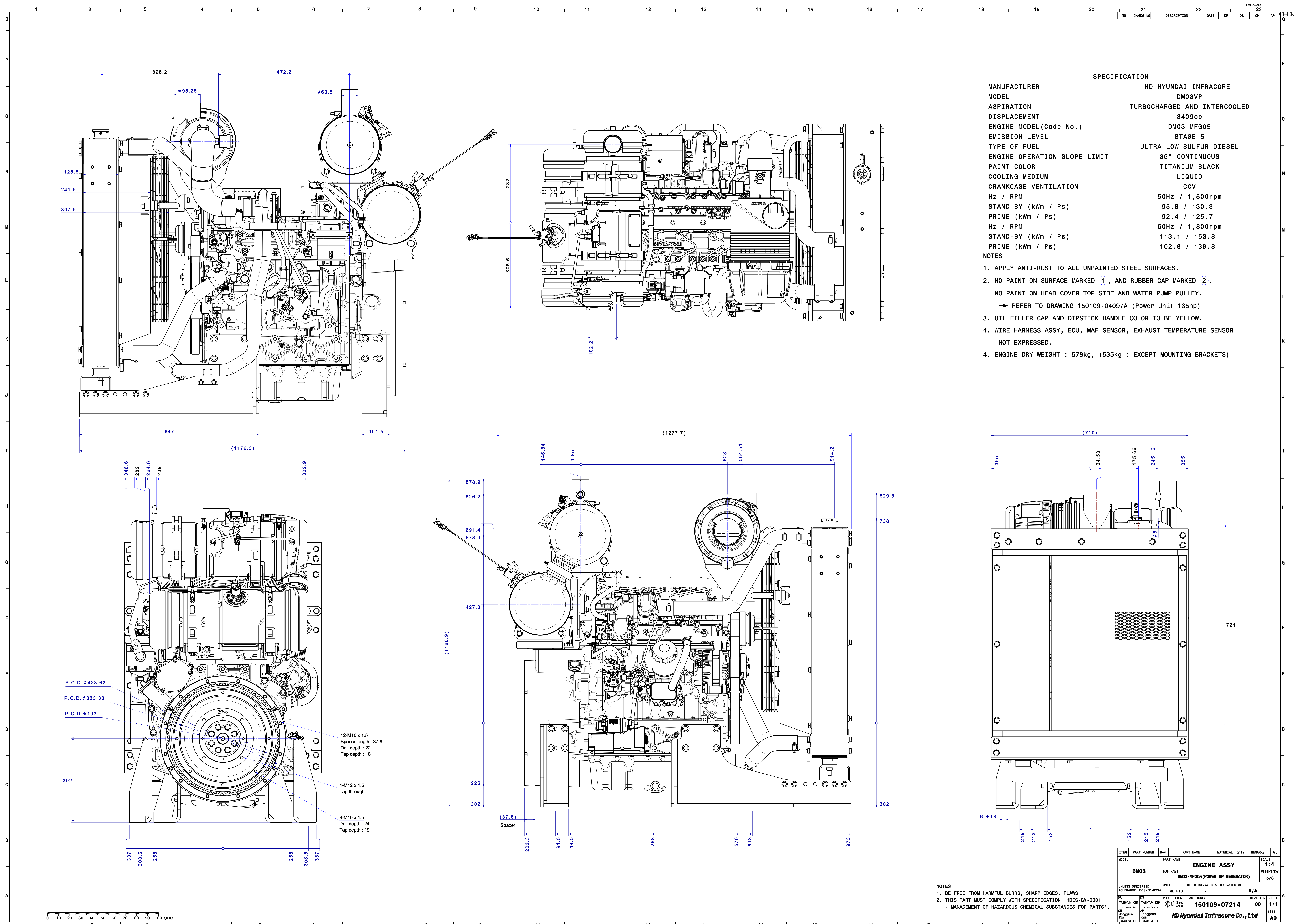
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Technical drawing showing four views of a DM03 engine assembly with dimensions.

SPECIFICATION

SPECIFICATION	
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MODEL	DM03VP
ASPIRATION	TURBOCHARGED AND INTERCOOLED
DISPLACEMENT	3409cc
ENGINE MODEL(Code No.)	DM03-MF605
EMISSION LEVEL	STAGE 5
TYPE OF FUEL	ULTRA LOW SULFUR DIESEL
ENGINE OPERATION SLOPE LIMIT	35° CONTINUOUS
PAINT COLOR	TITANIUM BLACK
COOLING MEDIUM	LIQUID
CRANKCASE VENTILATION	CCV
Hz / RPM	50Hz / 1,500rpm
STAND-BY (kWm / Ps)	95.8 / 130.3
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ITEM PART NUMBER Rev. PART NAME MATERIAL Q'TY REMARKS Wt.

PART NAME		MATERIAL	Q'TY	REMARKS	WT.
MODEL	Detailed Description				
DM03	ENGINE ASSY				
	Sub-name				
	DM03-MFG05(POWER UP GENERATOR)				
UNLESS SPECIFIED TOLERANCE:HDES-ED-0234	UNIT METRIC	-	N/A		
DR TADAIN KM ISO PROJECTION PART NUMBER REVISION SHEET	ISO TADAIN KM 3rd VIEW				
CH JONGGUN KIM	P024-08-14	150109-07214	00	1/1	
KJH	P024-08-14				
Jonggun Kim	P024-08-14				
KJH	P024-08-14				

HD Hyundai Infracore Co., Ltd A0

NOTES

- BE FREE FROM HARMFUL BURRS, SHARP EDGES, FLAWS
- THIS PART MUST COMPLY WITH SPECIFICATION 'HDES-GM-0001' - MANAGEMENT OF HAZARDOUS CHEMICAL SUBSTANCES FOR PARTS'.

Technical drawing of the DM03 engine assembly, showing four views: Front View, Rear View, Left Side View, and Right Side View. The drawing includes detailed dimensions and specifications.

SPECIFICATION

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MANUFACTURER	HD HYUNDAI INFRACORE
MODEL	DM03VP
ASPIRATION	TURBOCHARGED AND INTERCOOLED
DISPLACEMENT	3409cc
ENGINE MODEL(Code No.)	DM03-MF605
EMISSION LEVEL	STAGE 5
TYPE OF FUEL	ULTRA LOW SULFUR DIESEL
ENGINE OPERATION SLOPE LIMIT	35° CONTINUOUS
PAINT COLOR	TITANIUM BLACK
COOLING MEDIUM	LIQUID
CRANKCASE VENTILATION	CCV
Hz / RPM	50Hz / 1,500rpm
STAND-BY (kWm / Ps)	95.8 / 130.3
PRIME (kWm / Ps)	92.4 / 125.7
Hz / RPM	60Hz / 1,800rpm
STAND-BY (kWm / Ps)	113.1 / 153.8
PRIME (kWm / Ps)	102.8 / 139.8

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- WIRE HARNESS ASSY, ECU, MAF SENSOR, EXHAUST TEMPERATURE SENSOR NOT EXPRESSED.
- ENGINE DRY WEIGHT : 578kg, (535kg : EXCEPT MOUNTING BRACKETS)

Dimensions:

- Overall Width: 896.2, 472.2, 647, 101.5, 1176.3
- Overall Height: 125.8, 241.9, 307.9, 282, 308.5, 102.2
- Front View Dimensions: 346.6, 292, 264.6, 239, 302.9, 302, 337, 308.5, 255, 308.5, 337
- Rear View Dimensions: 146.64, 1.85, 528, 584.51, 914.2, 878.9, 826.2, 691.4, 678.9, 427.8, 226, 302, 203.3, 91.5, 44.5, 268, 570, 616, 973, 829.3, 738, 302
- Left Side View Dimensions: 1180.9, 374, 12-M10 x 1.5 Spacer length : 37.8 Drill depth : 22 Tap depth : 18, 4-M12 x 1.5 Tap through, 8-M10 x 1.5 Drill depth : 24 Tap depth : 19
- Right Side View Dimensions: 710, 365, 24.53, 175.66, 245.16, 365, 6-φ13, 249, 213, 152, 152, 213, 249, 721

Notes:

- BE FREE FROM HARMFUL BURRS, SHARP EDGES, FLAWS
- THIS PART MUST COMPLY WITH SPECIFICATION 'HDES-GM-0001' - MANAGEMENT OF HAZARDOUS CHEMICAL SUBSTANCES FOR PARTS'

Part Information:

ITEM	PART NUMBER	Rev.	PART NAME	MATERIAL	Q'TY	REMARKS	WE.
MODEL	DM03		ENGINE ASSY				
SUB NAME	DM03-MF605(Power UP GENERATOR)						
UNLESS SPECIFIED TOLERANCE:HDES-ED-0234	UNIT METRIC				N/A		
PROJECTION	TABMIN KIM	3rd	PART NUMBER	150109-07214	REVISION	00	SHEET 1/1
DATE	2024-08-14		SIZE	A0			

HD Hyundai Infracore Co., Ltd

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

NO. | CHANGE NO. | DESCRIPTION | DATE | DR | DS | CH | AP

0 10 20 30 40 50 60 70 80 90 100 (mm)

ENGINE ASSY

DM03

ENGINE ASSY

DM03-MFG05 (POWER UP GENERATOR)

150109-07214

00

1/1

HD Hyundai Infracore Co., Ltd

A0

1. BE FREE FROM HARMFUL BURRS, SHARP EDGES, FLAWS

2. THIS PART MUST COMPLY WITH SPECIFICATION 'HDES-GM-0001

- MANAGEMENT OF HAZARDOUS CHEMICAL SUBSTANCES FOR PARTS'.

MANUFACTURER: HD HYUNDAI INFRACORE

MODEL: DM03VP

ASPIRATION: TURBOCHARGED AND INTERCOOLED

DISPLACEMENT: 3409cc

ENGINE MODEL (Code No.): DM03-MFG05

EMISSION LEVEL: STAGE 5

TYPE OF FUEL: ULTRA LOW SULFUR DIESEL

ENGINE OPERATION SLOPE LIMIT: 35° CONTINUOUS

PAINT COLOR: TITANIUM BLACK

COOLING MEDIUM: LIQUID

CRANKCASE VENTILATION: CCV

Hz / RPM: 50Hz / 1,500rpm

STAND-BY (kWm / Ps): 95.8 / 130.3

PRIME (kWm / Ps): 92.4 / 125.7

Hz / RPM: 60Hz / 1,800rpm

STAND-BY (kWm / Ps): 113.1 / 153.8

PRIME (kWm / Ps): 102.8 / 139.8

NOTES

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ITEM | PART NUMBER | Rev. | PART NAME | MATERIAL | Q'TY | REMARKS | Wt. |

MODEL | PART NAME | SCALE |

DM03 | ENGINE ASSY | 1:4 |

SUB NAME | DM03-MFG05 (POWER UP GENERATOR) | WEIGHT (KG) |

UNLESS SPECIFIED TOLERANCE: HDES-ED-0234

UNIT | METRIC |

REFERENCE (MATERIAL NO) | MATERIAL |

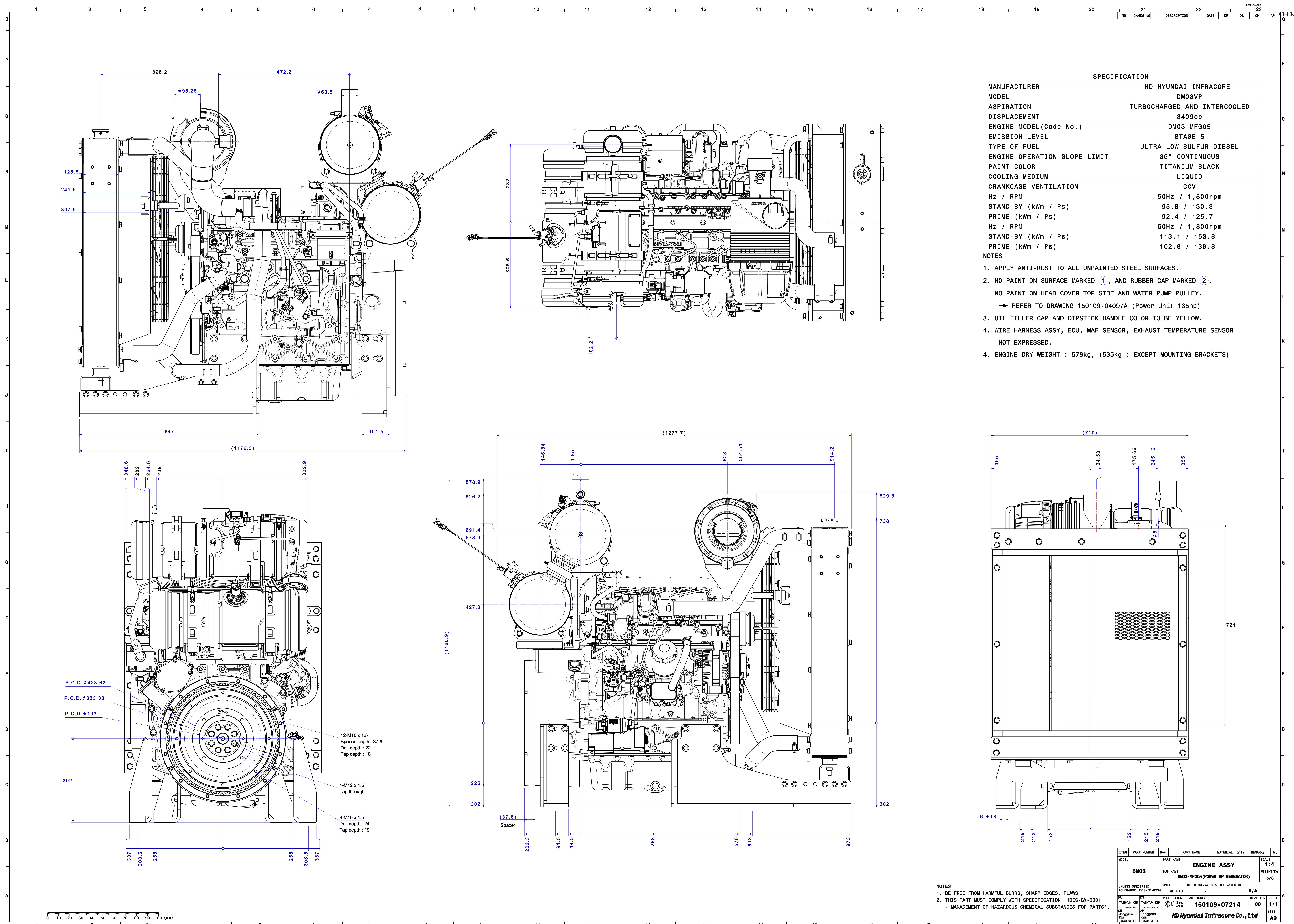
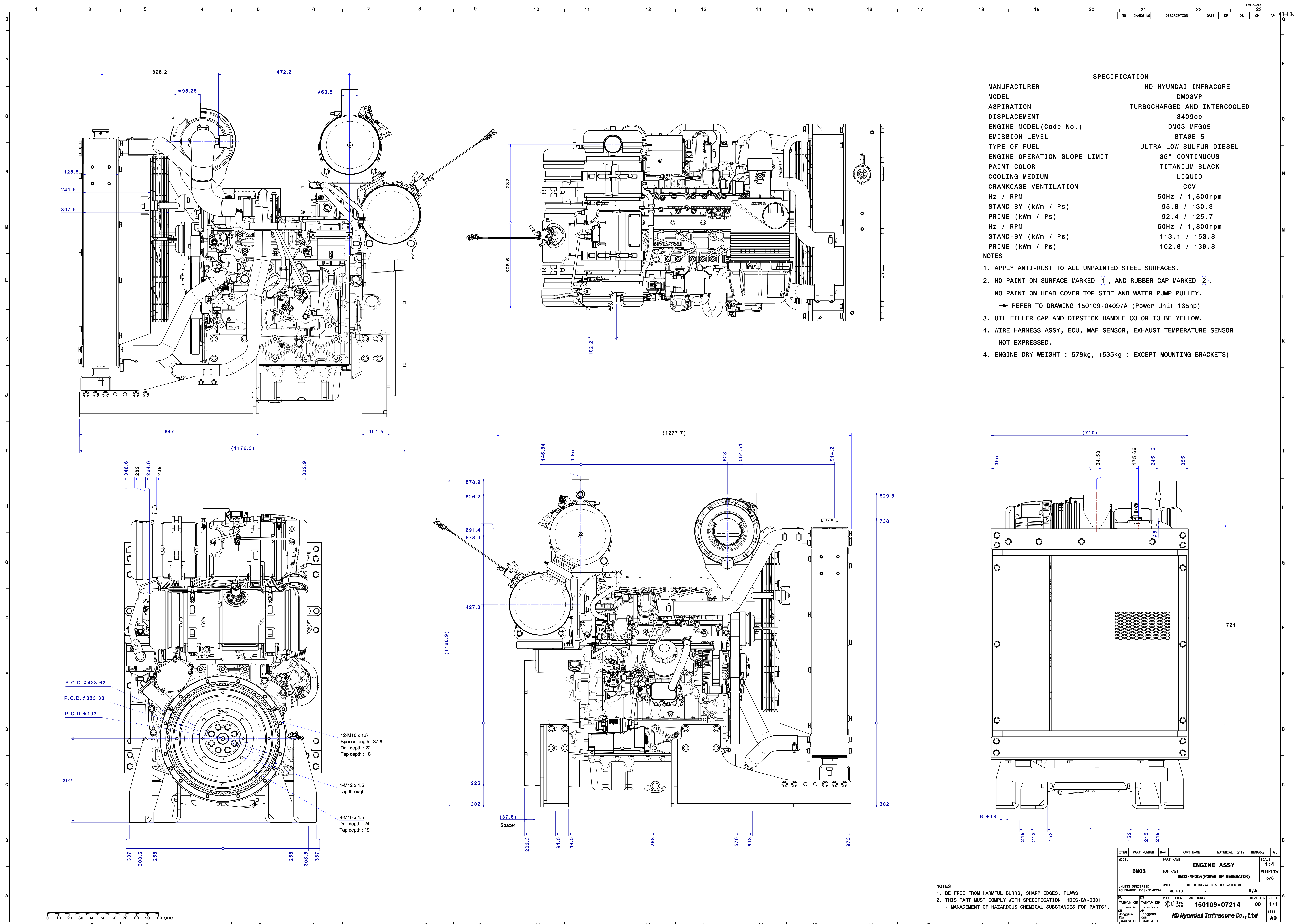
N/A

DR | DS | PROJECTION | PART NUMBER | REVISION | SHEET |

TADPM KM | TADPM KM | 3rd | 150109-07214 | 00 | 1/1 |

CH | JONGGUK | KIM | 2024-08-14 |

HD Hyundai Infracore Co., Ltd



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

NO. CHANGE NO DESCRIPTION DATE DR DS CH AP

1000

125.8
241.9
307.9
647
101.5
1176.3

896.2
472.2
95.25
60.5

282
308.5
102.2

346.6
292
264.6
239
302.9
302
337
308.5
255
308.5
337

P.C.D. ϕ 428.62
P.C.D. ϕ 333.38
P.C.D. ϕ 193

12-M10 x 1.5
Spacer length : 37.8
Drill depth : 22
Tap depth : 18

4-M12 x 1.5
Tap through

8-M10 x 1.5
Drill depth : 24
Tap depth : 19

1277.7
146.64
1.85
528
584.51
914.2
878.9
826.2
691.4
678.9
427.8
226
302
203.3
91.5
44.5
268
570
616
973
829.3
738
302
(37.8)
Spacer

1180.9

710
365
24.53
175.66
245.16
365
721
6- ϕ 13
249
213
152
152
213
249

SPECIFICATION	
MANUFACTURER	HD HYUNDAI INFRACORE
MODEL	DM03VP
ASPIRATION	TURBOCHARGED AND INTERCOOLED
DISPLACEMENT	3409cc
ENGINE MODEL(Code No.)	DM03-MF605
EMISSION LEVEL	STAGE 5
TYPE OF FUEL	ULTRA LOW SULFUR DIESEL
ENGINE OPERATION SLOPE LIMIT	35° CONTINUOUS
PAINT COLOR	TITANIUM BLACK
COOLING MEDIUM	LIQUID
CRANKCASE VENTILATION	CCV
Hz / RPM	50Hz / 1,500rpm
STAND-BY (kWm / Ps)	95.8 / 130.3
PRIME (kWm / Ps)	92.4 / 125.7
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- MANAGEMENT OF HAZARDOUS CHEMICAL SUBSTANCES FOR PARTS'.

ITEM	PART NUMBER	Rev.	PART NAME	MATERIAL	Q'TY	REMARKS	WE.
MODEL	PART NAME		ENGINE ASSY			SCALE	1:4
DM03	SUB NAME		DM03-MF605(POWER UP GENERATOR)			WEIGHT(KG)	578
UNLESS SPECIFIED	UNIT		REFERENCE(MATERIAL NO)	MATERIAL			
TOLERANCE:HDES-ED-0234	METRIC		-	N/A			
DR	IS	PROJECTION	PART NUMBER	REVISION	SHEET		
TADPM KIM	TADPM KIM	3rd	150109-07214	00	1/1		
2024-08-14	2024-08-14	WCH					
CH	JONGGUK						
2024-08-14	2024-08-14						

HD Hyundai Infracore Co., Ltd

A0

0 10 20 30 40 50 60 70 80 90 100 (mm)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

NO. CHANGE NO DESCRIPTION DATE DR DS CH AP

1000

125.8
241.9
307.9
647
101.5
1176.3

896.2
472.2
95.25
60.5

282
308.5
102.2

346.6
292
264.6
239
302.9
302
337
308.5
255
308.5
337

P.C.D. ϕ 428.62
P.C.D. ϕ 333.38
P.C.D. ϕ 193

12-M10 x 1.5
Spacer length : 37.8
Drill depth : 22
Tap depth : 18

4-M12 x 1.5
Tap through

8-M10 x 1.5
Drill depth : 24
Tap depth : 19

1277.7
146.64
1.85
528
584.51
914.2
878.9
826.2
691.4
678.9
427.8
226
302
203.3
91.5
44.5
268
570
616
973
829.3
738
302
(37.8)
Spacer

1180.9

710
365
24.53
175.66
245.16
365
721
6- ϕ 13
249
213
152
152
213
249

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DISPLACEMENT	3409cc
ENGINE MODEL(Code No.)	DM03-MFG05
EMISSION LEVEL	STAGE 5
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PAINT COLOR	TITANIUM BLACK
COOLING MEDIUM	LIQUID
CRANKCASE VENTILATION	CCV
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MODEL	PART NAME		ENGINE ASSY			SCALE	1:4
DM03	SUB NAME		DM03-MFG05(POWER UP GENERATOR)			WEIGHT(KG)	578
UNLESS SPECIFIED	UNIT		REFERENCE(MATERIAL NO)	MATERIAL			
TOLERANCE:HDES-ED-0234	METRIC		-	N/A			
DR TADPM KIM	DS TADPM KIM	PROJECTION	PART NUMBER	REVISION	SHEET		
2024-08-14	2024-08-14	3rd	150109-07214	00	1/1		
CH JONGGUK	KLH JONGGUK	WCH			SIZE		
2024-08-14	2024-08-14				A0		

HD Hyundai Infracore Co., Ltd

0 10 20 30 40 50 60 70 80 90 100 (mm)