



ENERGY FOR REVOLUTION

CUBA

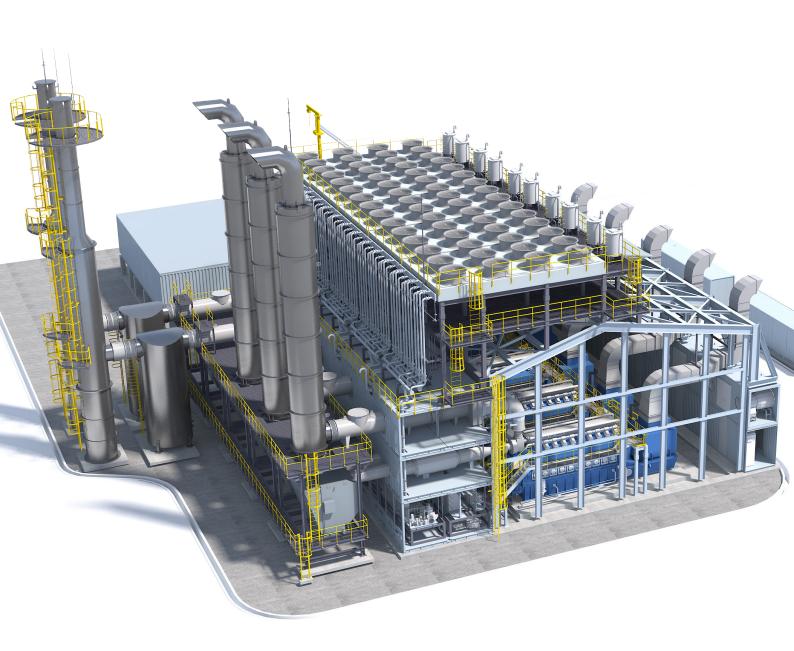
The Cuban government decided to illustrate HD HYUNDAI's Packaged Power Station(PPS) on their 10 peso note with the quote "Revolution Energetica (Energy Revolution)".





MODULAR POWER PLANT

Containerized Type Power Plant



Who Is It For?

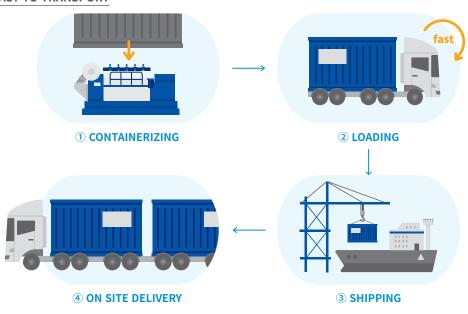
- Small IPPs(Independent Power Producers) who can afford small investment to start their businesses
- Those who need power sources fast track
- · Those who are not connected to the national grid
- Places where it is difficult to have infrastructure(e.g. high voltage transmission line)
- · Small towns and isolated areas

Why Are They Good?

1. FAST DELIVERY AND INSTALLATION

All the process of manufacturing, transportation, installation, and commissioning for a 20MW PPS takes just 9 months.

EASY TO TRANSPORT



The PPS can be installed in a 40 feet container, so it can be stacked on containerships at sea and be easily carried by trailers on land.

Simple installation steps give time savings.

5 months for manufacturing, 1.5 months for transportation, 1.5 months for installation, 1 months for commissioning.

2. EASILY TRANFERABLE

Reinstallation of 1 PPS unit takes just 2 weeks. Even with more units, no additional time is required.

3. LOW OPERATION COST

30~70% lower operation cost compared to high speed gensets.

4. EASY OPERATION

The smart control system gives easy & efficient site operation for O&M managers.

Enclosure Type Power Plant



Case ①: Enclosure type power plant

UHP 16MW Black Start Diesel Generator Qatar

| Total Output | 16MW |
|----------------|--------------------|
| Customer | Samsung C&T |
| Operating Mode | Black Start |
| Gensets | 9H32/40 x 4sets |
| Fuel | Diesel Oil |
| Scope | Genset + Equipment |
| Delivered | 2015 |

WHEREVER POWER SUPPLY FOR HOT AND HUMID DESSERT

Power plant for a 50°C desert in Qatar only took 3 months to construct.

In 2015, HD HYUNDAI provided 16MW black start emergency diesel generator of Facility D project in Qatar. It is the fully equipped enclosure type of BSEDG.

HYUNDAI has supplied a diesel generator with pre-fabricated type of enclosure and built-on type auxiliary system for easy and fast installation

Sound attenuating enclosure is applied for noise reduction and equipment protection. Each genset and its auxiliary equipment are installed inside of enclosure.



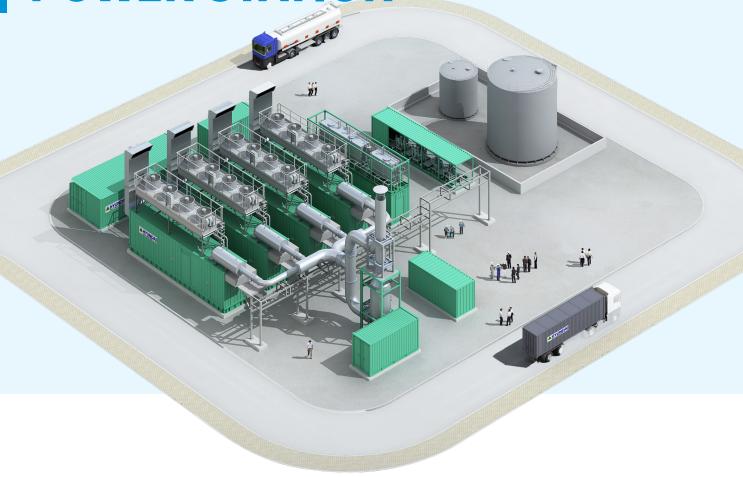


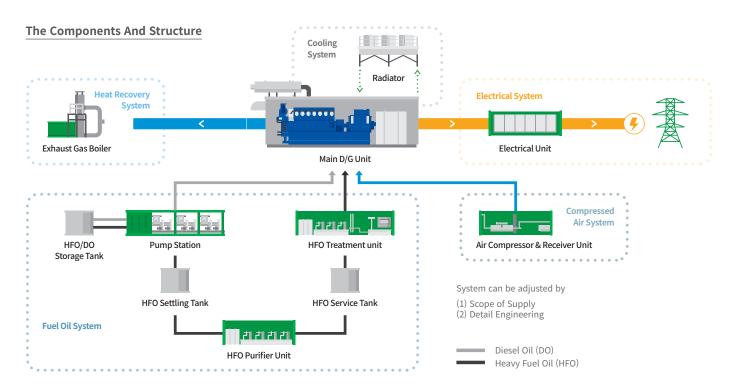


Plant View

Inside view of Enclosure(Pre-fabricated type)

PACKAGED POWER STATION





Case 2: Packaged Power Station(PPS)

JINRO 57MW PPS **Panama**

FAST DELIVERY & INSTALLATION FOR CUSTOM REQUIREMENTS

"

We were in a hurry, and HD HYUNDAI's PPS made it possible to meet our short delivery time.

— Jinro, Project Manager

"

| Total Output | 57.8MW |
|----------------|--------------------|
| Customer | JINRO POWER |
| Operating Mode | Base load |
| Gensets | 9H21/32 x 34sets |
| Fuel | Heavy Fuel Oil |
| Scope | Genset + Equipment |
| Delivered | 2015 |

Jinro Corporation bought their IPP which had a very short time until the COD(Commercial Operating Date). They wanted to find a company which could match their demands for fast procurement, fast construction, reasonable price and easy operation and decided to move forward with HD HYUNDAI.

With the products and full technical support by HD HYUNDAI, the power plant was successfully constructed in only 9 months after the contract.





Plant View

Fuel Tank

HAITI 61MW PPS **Haiti**

EARTHQUAKE-RESISTANT RELIABLE POWER PLANT

"

HD HYUNDAI's power stations were the only power stations to successfully supply power to areas near Haiti's capital Port-au-Prince, which damaged by the 7.0-magnitude quake in January.

— MK Business News

"

| Total Output | 61MW |
|----------------|--------------------|
| Customer | EDH |
| Operating Mode | Grid Back-up |
| Gensets | 9H21/32 x 36sets |
| Fuel | Heavy Fuel Oil |
| Scope | Genset + Equipment |
| Delivered | 2008 |

HD HYUNDAI'S PPS remained intact and well ran in its full capacity throughout the catastrophic earthquake of Haiti in 2010.

Many power facilities were damaged by 7-magnitude earthquake of Haiti in 2010. The sturdy power plant provided by HD HYUNDAI were undamaged and ran continuously. HD HYUNDAI gained trust for its stability and safety by the Haitian government.

In 2008, HD HYUNDAI provided a 34MW power plant for Haiti's capital Port Au Prince. This power plant produces power with 40% less cost than other power plants do.





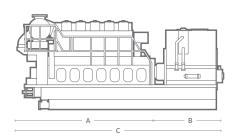
Plant View Plant View

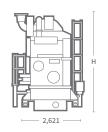
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Gas Fuel

H35G Bore: 350mm Stroke: 400mm

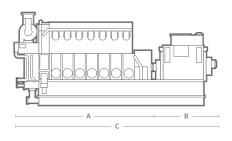


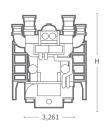


Main Data Dimensions

| Speed | 720 | rpm | 750 | rpm | — Dimension(mm) | | | | Drv Mass(ton) | | | |
|-----------|----------|----------|----------|----------|-----------------|-------------------|--------|-------|---------------|---------------|--|--|
| Frequency | 60 | Hz | 50Hz | | | Difficusion(timi) | | | | DIY MASS(ton) | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet | | |
| 6H35/40G | 2,880 | 2,764 | 3,000 | 2,880 | 5,760 | 3,130 | 8,890 | 3,959 | 33.7 | 68.6 | | |
| 7H35/40G | 3,360 | 3,225 | 3,500 | 3,360 | 6,112 | 3,374 | 9,486 | 4,130 | 38.6 | 77.1 | | |
| 8H35/40G | 3,840 | 3,705 | 4,000 | 3,860 | 6,602 | 3,594 | 10,196 | 4,130 | 41.5 | 82.0 | | |
| 9H35/40G | 4,320 | 4,168 | 4,500 | 4,342 | 7,092 | 4,097 | 11,189 | 4,130 | 44.6 | 89.1 | | |

H35/GV Bore: 350mm Stroke: 400mm



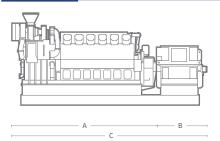


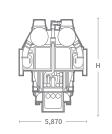
Dimensions Main Data

| Speed | 720 | rpm | 750 | rpm | Dimension(mm) | | | | Dry Mass(ton) | | |
|------------|----------|----------|----------|----------|---------------|-------|--------|----------------|---------------|--------|--|
| Frequency | 60 | Hz | 50 | Hz | | Dimen | | Dry Mass(toll) | | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet | |
| 12H35/40GV | 5,760 | 5,558 | 6,000 | 5,790 | 6,624 | 3,760 | 10,384 | 4,723 | 56.0 | 108.8 | |
| 14H35/40GV | 6,720 | 6,518 | 7,000 | 6,790 | 7,295 | 3,860 | 11,155 | 4,723 | 63.3 | 121.3 | |
| 16H35/40GV | 7,680 | 7,449 | 8,000 | 7,760 | 7,914 | 3,479 | 11,393 | 4,723 | 69.1 | 130.9 | |
| 18H35/40GV | 8,640 | 8,380 | 9,000 | 8,730 | 8,585 | 3,859 | 12,444 | 4,794 | 76.3 | 141.2 | |
| 20H35/40GV | 9,600 | 9,312 | 10,000 | 9,700 | 9,344 | 3,659 | 13,003 | 4,794 | 84.0 | 153.9 | |

Based on alternator efficiency of 96.5~97%.

H54GV Bore: 540mm Stroke: 600mm





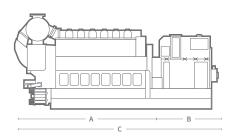
Main Data

| Main Da | ta | | | | Dimensions | | | | | | | |
|----------------------------|----------|----------|----------|----------------------|------------|-----------------|--------|-------|---------------|---------------|--|--|
| Speed | 600 | rpm | 600 | 600rpm Dimension(mm) | | | | | Drv Mass(ton) | | | |
| Frequency | 60 |)Hz | 50Hz | | | Diffiension(mm) | | | | Dry Mass(ton) | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet | | |
| 12H54GV TSTC ¹⁾ | 16,800 | 16,380 | 16,800 | 16,380 | 12,511 | 4,638 | 17,149 | 7,994 | 294.0 | 381.0 | | |
| 14H54GV TSTC | 19,600 | 19,110 | 19,600 | 19,110 | 13,661 | 4,582 | 18,243 | 7,994 | 324.0 | 421.0 | | |
| 16H54GV TSTC | 22,400 | 21,840 | 22,400 | 21,840 | 15,086 | 4,757 | 19,843 | 8,383 | 361.1 | 467.0 | | |

Based on alternator efficiency of 97.5%. 1)TSTC: Two Stage Turbo Charger

Dual Fuel

H27DF Bore: 270mm Stroke: 330mm

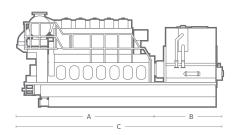


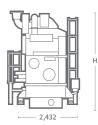


| Main D | ata | | | | Dim | iens | ions | | | |
|-----------|-----------------------------------|-------|-------|----------|-------|-------|---------------|-------|--------|--------|
| Speed | 900 | rpm | 1,00 | 1,000rpm | | Dimon | sion(mm | ` | Day Ma | |
| Frequency | 60 | Hz | 50 | Hz | | Dimen | Dry Mass(ton) | | | |
| | Eng.(kw) Gen.(kw) Eng.(kw) Gen.(k | | | | | В | С | Н | Engine | GenSet |
| 6H27DF | 1,710 | 1,624 | 1,860 | 1,767 | 4,414 | 2,262 | 6,676 | 2,835 | 21.2 | 30.8 |
| 7H27DF | 1,995 | 1,905 | 2,170 | 2,072 | 4,794 | 2,262 | 7,056 | 3,241 | 23.5 | 34.9 |
| 8H27DF | 2,280 | 2,177 | 2,480 | 2,368 | 5,311 | 2,340 | 7,651 | 3,371 | 25.1 | 40.5 |
| 9H27DF | 2,565 | 2,462 | 2,790 | 2,678 | 5,691 | 2,490 | 8,181 | 3,371 | 27.2 | 46.0 |

Based on alternator efficiency of 95~96%.

H35DF Bore: 350mm Stroke: 400mm

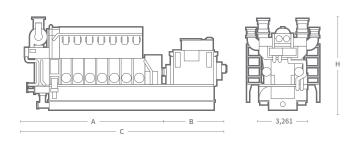




Dimensions Main Data 720rpm 750rpm Speed Dimension(mm) Dry Mass(ton) 60Hz 50Hz 6H35/40G 7H35/40G 8H35/40G 83.0 9H35/40G

Based on alternator efficiency of 96~96.5%.

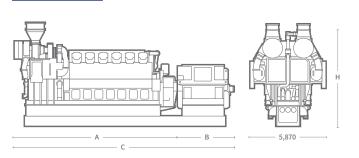
H35DFV Bore: 350mm Stroke: 400mm



| ata | | | | Dim | ens | ions | | | |
|----------|---|--|---|---|--|--|---|--|--|
| 720 | rpm | 750 | rpm | | | | | 6.3 | |
| 60 | Hz | 50 | Hz | | Dimen | Dry Mass(ton) | | | |
| Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet |
| 5,760 | 5,558 | 5,760 | 5,558 | 6,624 | 3,760 | 10,384 | 4,723 | 58.0 | 110.8 |
| 6,720 | 6,518 | 6,720 | 6,518 | 7,295 | 3,860 | 11,155 | 4,723 | 65.3 | 123.3 |
| 7,680 | 7,449 | 7,680 | 7,449 | 7,914 | 3,479 | 11,393 | 4,723 | 71.1 | 132.9 |
| 8,640 | 8,380 | 8,640 | 8,380 | 8,585 | 3,859 | 12,444 | 4,794 | 78.3 | 143.2 |
| 9,600 | 9,312 | 9,600 | 9,312 | 9,344 | 3,659 | 13,003 | 4,794 | 86.0 | 155.9 |
| | 720 60 Eng.(kW) 5,760 6,720 7,680 8,640 | 720rpm 60Hz Gen.(kw) 5,760 5,558 6,720 6,518 7,680 7,449 8,640 8,380 | 720rpm 750 60Hz 50 Eng.(kw) 6en.(kw) Eng.(kw) 5,760 5,558 5,760 6,720 6,518 6,720 7,680 7,449 7,680 8,640 8,380 8,640 | 720rpm 750rpm 60Hz 50Hz Eng,(kW) Gen.(kW) 5,760 5,558 6,720 6,518 6,760 7,449 7,680 7,449 8,640 8,380 8,640 8,380 | 720rpm 750rpm 60Hz 50Hz Eng,(kw) Gen,(kw) Gen,(kw) A 5,760 5,558 5,760 5,558 6,624 6,720 6,518 6,720 6,518 7,295 7,680 7,449 7,680 7,449 7,914 8,640 8,380 8,585 | 720rpm 750rpm Dimen 60Hz 50Hz Dimen Eng.(kw) Gen.(kw) Gen.(kw) A B 5,760 5,558 5,760 5,558 6,624 3,760 6,720 6,518 6,720 6,518 7,295 3,860 7,680 7,449 7,680 7,449 7,914 3,479 8,640 8,380 8,585 3,859 | 720 rpm 750 rpm Dimension (mm) 60 Hz 50 Hz Dimension (mm) Eng,(kw) Gen.(kw) Eng,(kw) Gen.(kw) A B C 5,760 5,558 5,760 5,558 6,624 3,760 10,384 6,720 6,518 7,295 3,860 11,155 7,680 7,449 7,680 7,449 7,914 3,479 11,393 8,640 8,380 8,585 3,859 12,444 | 720rpm 750rpm Dimension(mm) 60Hz 50Hz Dimension(mm) Eng,(kw) Gen,(kw) A B C H 5,760 5,558 5,760 5,558 6,624 3,760 10,384 4,723 6,720 6,518 6,29 3,860 11,155 4,723 7,680 7,449 7,680 7,449 7,914 3,479 11,393 4,723 8,640 8,380 8,640 8,380 8,585 3,859 12,444 4,794 | 720rpm 750rpm Dimension(mm) Dry M 60Hz 50Hz Dimension(mm) Dry M Eng,(kw) Gen.(kw) Eng,(kw) Gen.(kw) A B C H Engine H Engine 5,760 5,558 5,760 5,558 6,624 3,760 10,384 4,723 58.0 6,720 6,518 7,295 3,860 11,155 4,723 65.3 6,720 6,744 7,680 7,449 7,914 3,479 11,393 4,723 71.1 8,640 8,380 8,640 8,380 8,585 3,859 12,444 4,794 78.3 7,830 7,449 7,914 7, |

Based on alternator efficiency of 96.5~97%.

H54DFV Bore: 540mm Stroke: 600mm



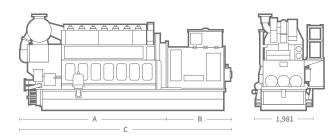
| ta | | | | Dimensions | | | | | | |
|----------|--|---|---|---|---|---|--|---|---|--|
| 600 | rpm | 600 | rpm | | D.: | | Dry Mass/t | | | |
| 60 | Hz | 50Hz | | | Dimen | Dry Mass(ton) | | | | |
| Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kw) | A B | | С | Н | Engine | GenSet | |
| 16,800 | 16,380 | 16,800 | 16,380 | 12,511 | 4,638 | 17,149 | 7,994 | 303.0 | 391.0 | |
| 19,600 | 19,110 | 19,600 | 19,110 | 13,661 | 4,582 | 18,243 | 7,994 | 335.0 | 431.0 | |
| 22,400 | 21,840 | 22,400 | 21,840 | 15,086 | 4,757 | 19,843 | 8,383 | 373.0 | 480.0 | |
| | 600 600 Eng.(kW) 16,800 19,600 | 600rpm 60Hz Eng.(kW) Gen.(kW) 16,800 16,380 19,600 19,110 | 600rpm 600 60Hz 50 Eng.(kW) Gen.(kW) Eng.(kW) 16,800 16,380 16,800 19,600 19,110 19,600 | 600rpm 600rpm 60Hz 50Hz Eng.(kW) Gen.(kW) Eng.(kW) Gen.(kW) 16,800 16,380 16,800 16,380 19,600 19,110 19,600 19,110 | 600rpm 600rpm 60Hz 50Hz Eng.(kW) Gen.(kW) Eng.(kW) Gen.(kW) A 16,800 16,380 16,800 16,380 12,511 19,600 19,110 19,600 19,110 13,661 | 600 rpm 600 rpm Dimen 60 Hz 50 Hz Dimen Eng, (kw) Gen. (kw) Eng, (kw) Gen. (kw) A B 16,800 16,380 16,800 16,380 12,511 4,638 19,600 19,110 19,600 19,110 13,661 4,582 | 600 rpm Dimension(mm) 60 Hz 50 Hz Dimension(mm) Eng,(kw) Gen.(kw) Eng,(kw) Gen.(kw) A B C 16,800 16,380 16,380 16,380 12,511 4,638 17,149 19,600 19,110 19,600 19,110 3,661 4,582 18,243 | 660rpm 660rpm 600rpm Dimension(mm) 60Hz 50Hz Dimension(mm) Eng.(kW) Gen.(kW) Eng.(kW) Gen.(kW) A B C H 16,800 16,380 16,380 12,511 4,638 17,149 7,994 19,600 19,110 19,600 19,110 13,661 4,582 18,243 7,994 | 6600 rpm 6600 rpm 600 rpm Dimension(mm) Dry Ma 60Hz 50Hz Bng.(kw) Gen.(kw) 60 Rpm A B C H Engine H Engine 16,800 16,380 16,800 16,380 12,511 4,638 17,149 7,994 303.0 19,600 19,110 19,600 19,110 13,661 4,582 18,243 7,994 335.0 | |

Based on alternator efficiency of 97.5%.

1)TSTC: Two Stage Turbo Charger

Liquid Fuel

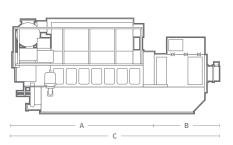
H21/32 Bore: 210mm Stroke: 320mm



| Main D |)ata | | | | Dimensions | | | | | | | |
|-----------|----------|----------|----------|----------|------------|-------|---------------|-------|--------|--------|--|--|
| Speed | 900 | rpm | 1,00 | 0rpm | | D: | ` | D M | (+) | | | |
| Frequency | 60 | Hz | 50Hz | | | Dimen | Dry Mass(ton) | | | | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet | | |
| 6H21/32 | 1,200 | 1,128 | 1,200 | 1,128 | 3,781 | 1,896 | 5,677 | 2,781 | 13.4 | 26.1 | | |
| 7H21/32 | 1,400 | 1,323 | 1,400 | 1,323 | 4,235 | 1,900 | 6,135 | 2,781 | 15.1 | 28.6 | | |
| 8H21/32 | 1,600 | 1,512 | 1,600 | 1,512 | 4,453 | 2,175 | 6,628 | 2,911 | 16.7 | 29.1 | | |
| 0H21/22 | 1 000 | 1 710 | 1 000 | 1 710 | 4 702 | 2 265 | 7.040 | 2.011 | 10 / | 21.7 | | |

Based on alternator efficiency of 94~95%.

H21C Bore: 210mm Stroke: 330mm



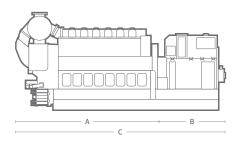


Main Data Dimensions

| Speed | 900 | rpm | 1,00 | 0rpm | | D: | -: | ١ | D M- | (+) |
|-----------|----------|----------|----------|----------|-------|-------|---------------|-------|--------|--------|
| Frequency | 60 |)Hz | 50Hz | | | Dimen | Dry Mass(ton) | | | |
| | Eng.(kW) | Gen.(kw) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet |
| 5H21C | 1,200 | 1,128 | 1,200 | 1,128 | 3,735 | 2,249 | 5,984 | 2,600 | 14.3 | 22.1 |
| 6H21C | 1,440 | 1,360 | 1,440 | 1,360 | 4,085 | 2,249 | 6,334 | 2,600 | 16.0 | 24.9 |
| 7H21C | 1,680 | 1,587 | 1,680 | 1,587 | 4,435 | 2,305 | 6,740 | 2,600 | 17.8 | 28.3 |
| 8H21C | 1,920 | 1,824 | 1,920 | 1,824 | 4,785 | 2,305 | 7,090 | 2,653 | 19.4 | 30.2 |
| 9H21C | 2,160 | 2,062 | 2,160 | 2,062 | 5,135 | 2,450 | 7,585 | 2,653 | 21.0 | 33.6 |

Based on alternator efficiency of 94~95.5%.

H25/33 Bore: 250mm Stroke: 330mm



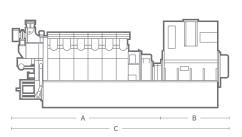


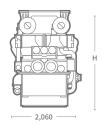
Main Data Dimensions

| Speed | Speed 900 r | | | 0rpm | | Dimen | ١ | Drv Mass(ton) | | |
|-----------|-------------|----------|----------|----------|-------|---------|---------------|---------------|--------|--------|
| Frequency | 60 | Hz | 50 | Hz | | Dillien | DIY Mass(ton) | | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet |
| 6H25/33 | 1,740 | 1,661 | 1,800 | 1,719 | 4,414 | 2,262 | 6,676 | 2,961 | 20.2 | 29.8 |
| 7H25/33 | 2,030 | 1,938 | 2,100 | 2,005 | 4,794 | 2,262 | 7,056 | 3,241 | 22.5 | 33.9 |
| 8H25/33 | 2,320 | 2,215 | 2,400 | 2,292 | 5,311 | 2,340 | 7,651 | 3,371 | 24.1 | 39.5 |
| 9H25/33 | 2,610 | 2,505 | 2,700 | 2,592 | 5,691 | 2,490 | 8,181 | 3,371 | 26.2 | 45.0 |

Based on alternator efficiency of 95.5~96%.

H25/33V Bore: 250mm Stroke: 330mm





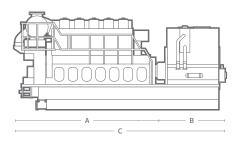
Main Data

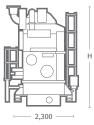
Dimensions

| Speed 900rpm | | 1,000rpm | | | | Den Mana(i.i.) | | | | |
|--------------|----------|----------|----------|----------|-------|----------------|---------------|-------|--------|--------|
| Frequency | 60Hz | | 50Hz | | | Dimen | Dry Mass(ton) | | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | А | В | С | Н | Engine | GenSet |
| 12H25/33V | 3,840 | 3,705 | 3,840 | 3,705 | 5,524 | 3,334 | 8,858 | 3,750 | 33.5 | 58.2 |
| 14H25/33V | 4,480 | 4,323 | 4,480 | 4,323 | 5,944 | 3,504 | 9,448 | 3,750 | 36.5 | 63.4 |
| 16H25/33V | 5,120 | 4,940 | 5,120 | 4,940 | 6,364 | 3,682 | 10,046 | 3,750 | 39.5 | 69.6 |
| 18H25/33V | 5,760 | 5,558 | 5,760 | 5,558 | 6,784 | 3,772 | 10,556 | 3,750 | 42.5 | 77.5 |
| 20H25/33V | 6,400 | 6,208 | 6,400 | 6,208 | 7,204 | 3,727 | 10,931 | 3,750 | 45.5 | 79.5 |

Based on alternator efficiency of 96.5~97%.

H32/40 Bore: 320mm Stroke: 400mm



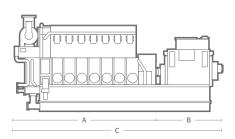


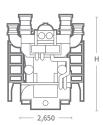
Main Data Dimensions

| Speed | 720rpm 60Hz | | 750rpm 50Hz | | | Dimen | Dry Mass(ton) | | | |
|-----------|------------------|-------|------------------|-------|-------|----------|---------------|-------|---------------|------|
| Frequency | | | | | | Dilliell | | | | |
| | Eng.(kW)Gen.(kW) | | Eng.(kW)Gen.(kW) | | Α | В | С | Н | Engine GenSet | |
| 6H32/40 | 3,000 | 2,880 | 3,000 | 2,880 | 5,055 | 3,490 | 8,545 | 3,759 | 33.7 | 65.2 |
| 7H32/40 | 3,500 | 3,360 | 3,500 | 3,360 | 5,545 | 3,490 | 9,035 | 3,882 | 38.6 | 72.6 |
| 8H32/40 | 4,000 | 3,860 | 4,000 | 3,860 | 6,035 | 3,785 | 9,820 | 4,132 | 41.5 | 78.6 |
| 9H32/40 | 4,500 | 4,342 | 4,500 | 4,342 | 6,525 | 3,685 | 10,210 | 4,132 | 44.6 | 82.7 |

Based on alternator efficiency of 96~96.5%.

H32/40V Bore: 320mm Stroke: 400mm





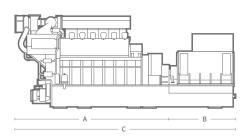
Main Data

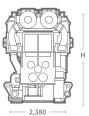
Dimensions

| Speed | | | 750rpm 50Hz | | | Di | Dry Mass(ton) | | | |
|-----------|----------|----------|----------------|----------|-------|-------|---------------|-------|--------|--------|
| Frequency | | | | | | Dimen | | | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | А | В | С | Н | Engine | GenSet |
| 12H32/40V | 6,000 | 5,790 | 6,000 | 5,790 | 6,624 | 3,760 | 10,384 | 4,723 | 56.0 | 108.8 |
| 14H32/40V | 7,000 | 6,790 | 7,000 | 6,790 | 7,295 | 3,860 | 11,155 | 4,723 | 63.3 | 121.3 |
| 16H32/40V | 8,000 | 7,760 | 8,000 | 7,760 | 7,914 | 3,479 | 11,393 | 4,723 | 69.1 | 130.9 |
| 18H32/40V | 9,000 | 8,730 | 9,000 | 8,730 | 8,585 | 3,859 | 12,444 | 4,794 | 76.3 | 141.2 |
| 20H32/40V | 10,000 | 9,700 | 10,000 | 9,700 | 9,344 | 3,659 | 13,003 | 4,794 | 84.0 | 153.9 |

Based on alternator efficiency of 96.5~97%.

H32CV Bore: 320mm Stroke: 450mm





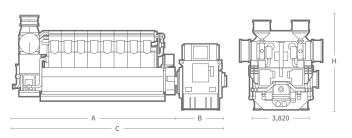
Main Data

Dimensions

| Speed | 720rpm cy 60Hz | | 750rpm 50Hz | | | Dimen | Dry Mass(ton) | | | |
|-----------|-------------------|----------|----------------|----------|-------|----------|---------------|-------|--------|--------|
| Frequency | | | | | | Dilliell | | | | |
| | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet |
| 12H32CV | 7,200 | 6,984 | 7,200 | 6,984 | 7,526 | 3,900 | 11,426 | 4,362 | 78.0 | 121.2 |
| 14H32CV | 8,400 | 8,148 | 8,400 | 8,148 | 8,126 | 4,100 | 12,226 | 4,362 | 88.0 | 137.9 |
| 16H32CV | 9,600 | 9,312 | 9,600 | 9,312 | 8,726 | 4,300 | 13,026 | 4,448 | 96.0 | 152.6 |
| 18H32CV | 10,800 | 10,476 | 10,800 | 10,476 | 9,326 | 4,500 | 13,826 | 4,448 | 106.0 | 169.3 |

Based on alternator efficiency of 97%.

H46/60V Bore: 460mm Stroke: 600mm



Main Data

Dimensions

| S | peed | 600rpm | | 600rpm | | | Dimen | Dur Mass/to) | | | |
|---|-----------|----------|----------|----------|----------|--------|-------|---------------|-------|--------|--------|
| F | requency | 60 | Hz | 50Hz | | | Dimen | Dry Mass(ton) | | | |
| | | Eng.(kW) | Gen.(kW) | Eng.(kW) | Gen.(kW) | Α | В | С | Н | Engine | GenSet |
| 1 | 2H46/60V | 13,800 | 13,455 | 13,800 | 13,455 | 10,610 | 3,474 | 14,084 | 5,611 | 193.0 | 243.9 |
| 1 | .6H46/60V | 18,400 | 17,940 | 18,400 | 17,940 | 12,610 | 3,724 | 16,334 | 5,611 | 235.2 | 296.7 |
| 1 | .8H46/60V | 20,700 | 20,182 | 20,700 | 20,182 | 13,610 | 3,767 | 17,377 | 5,895 | 260.3 | 334.3 |

Based on alternator efficiency of 97.5%.

Depending on alternator.
 Without common base frame.
 With common base frame & alternator (Maker: HHI-EES).
 Note) All dimensions and weight are approximate value and subject to change without prior notice.

MODULAR DESIGN

TIME SAVING

Enable to reduce 5 to 6 months of time in planning and construction.

Planning

-3 months

• For 10(Ten) 20H35DF Engines

Construction

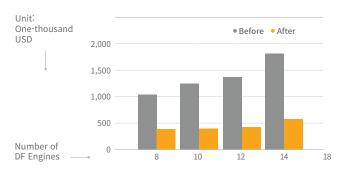


For Engines Inside DG Building
 + Aux.Equipment + Piping

'FASTER, EASIER, AND EVEN BETTER.'

Compared with traditional design, HD HYUNDAI's prefabricated modules shorten and simplify the procurement and installation process, even with lower price.

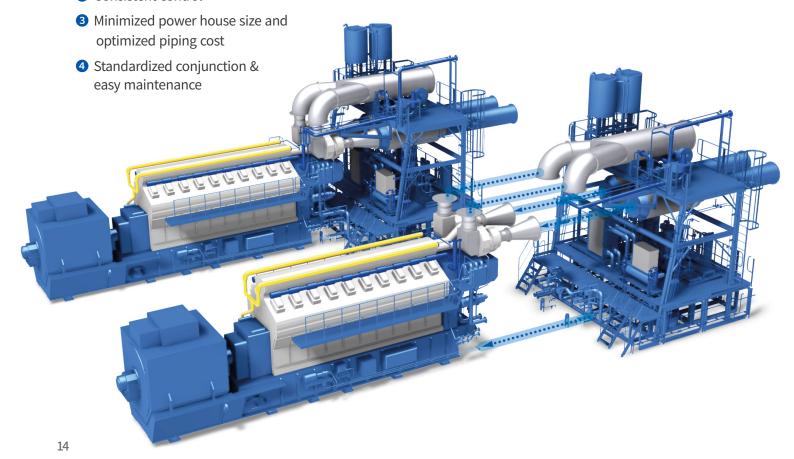
COST SAVING



 \ast The estimated numbers are for cases where there are IPP/EPC contracts (DF Engine), and it may differ among countries.

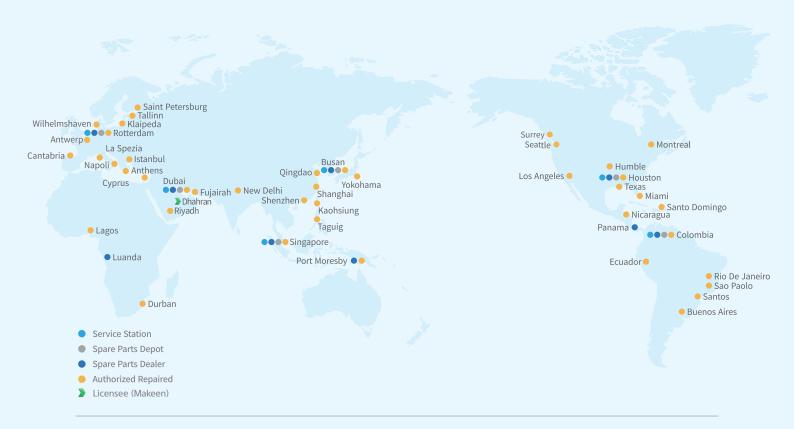
HiMSEN Aux. Module(HAM)

- 1 Faster and simple construction on site
- 2 Consistent control



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