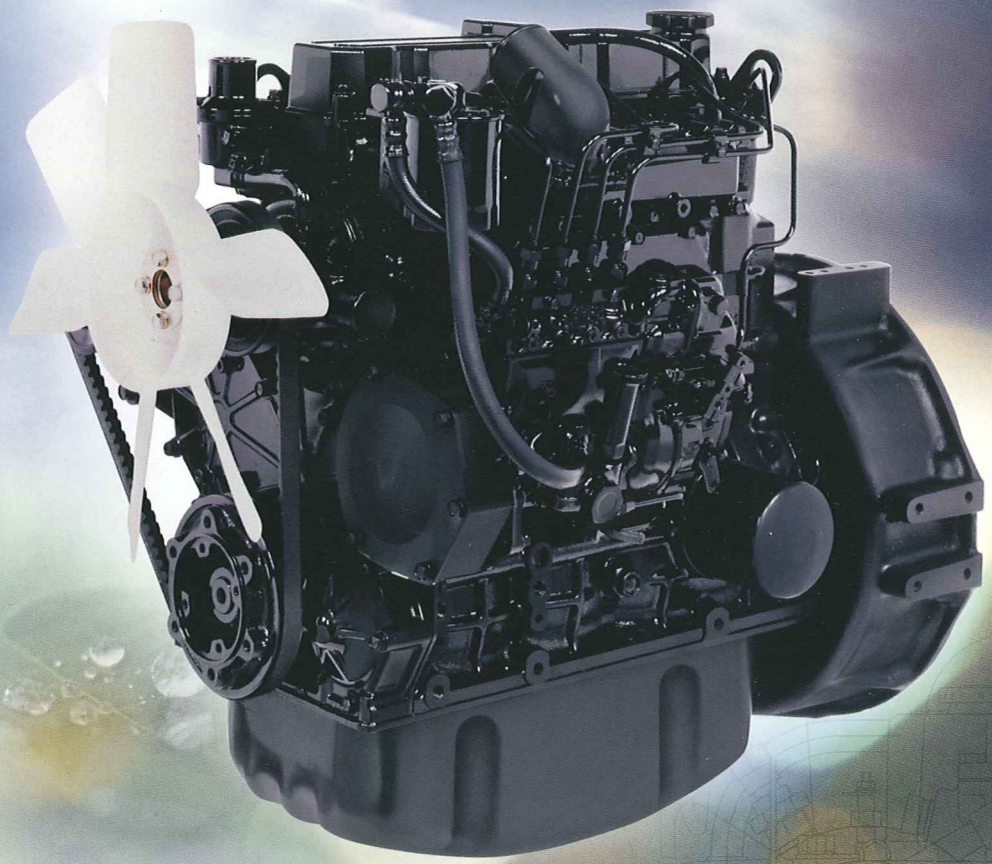
MITSUBISHI DIESEL ENGINE



MITSUBISHI
HEAVY INDUSTRIES, LTD.

ADVANCED TECHN

Mitsubishi is most pleased to present you herewith our diesel with latest technology and innovation for your own power

Low Noise

Powerful, but as quiet as possible…one of Mitsubishi's development target is to lower the engine noise level through the research and development to support the trend of regulations for the comfort of human's environment.

Clean Diesel

To create the sustainable power source is the highest mission for Mitsubishi. To comply with latest and future emission regulations is one of the ways for engine manufacturers to protect the environment. As a long-term solution for your power need, Mitsubishi's technology supports the human activity with philosophy of "ECOSILENT ENGINE" now and in the future.

Low Fuel Consumption

Mitsubishi's engine with low fuel consumption adds the value to your product and supports the operation at end users' premises in years. In combination with Mitsubishi-made turbocharger with world top class technology, we contribute to the saving of both financial and environmental resource during its life even further.

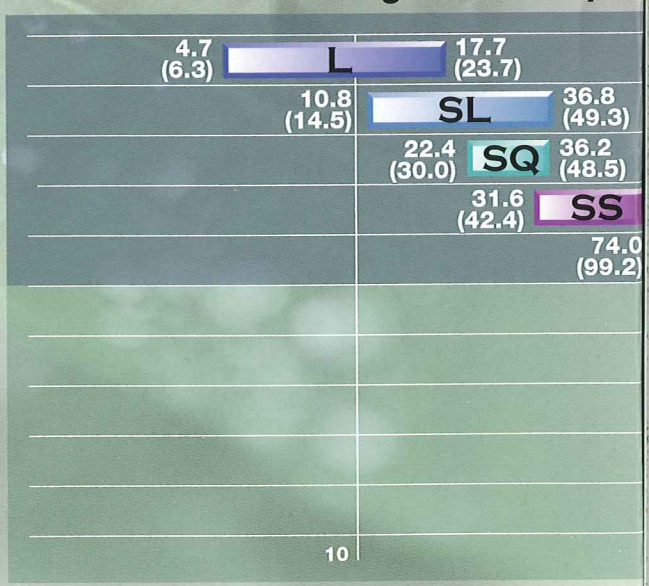
Easy Maintenance

The accessibility to serving points with ease helps end users' regular maintenance during its full operation. To be a reliable partner of the human activity, Mitsubishi's design with durability supports your product in the market now and in the future.

ECOSILENT ENGINE

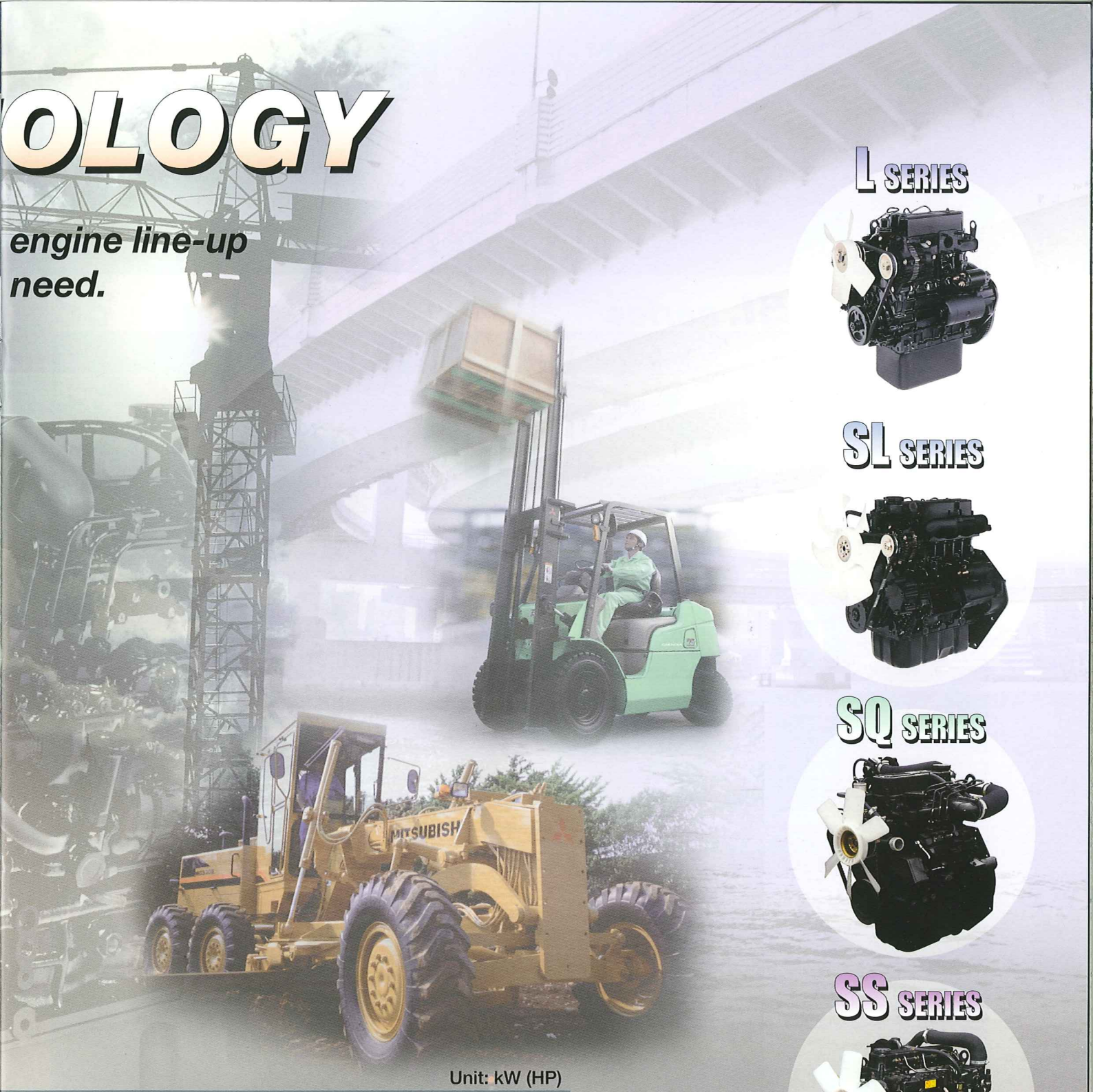
"ECOSILENT ENGINE" REPRESENTS MHI'S PHILOSOPHY TO DEVELOP THE MOST ENVIRONMENTALLY-FRIENDLY ENGINE FOR ALL LIVES AND OUR EARTH.

Mitsubishi Diesel Engine Line-up



OLOGY

engine line-up need.



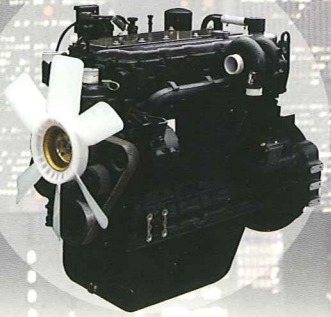
L SERIES

SL SERIES

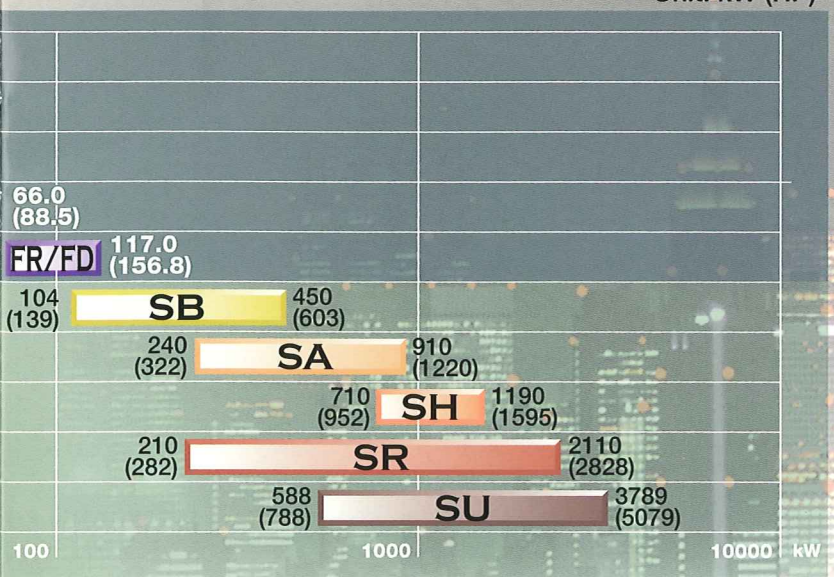
SQ SERIES

SS SERIES

FR/FD SERIES



Unit: kW (HP)



SPECIFICATION

L series & SL series

	L2E	L3E	S3L2	S4L2	S4L2-T
Type	4-cycle, water-cooled, diesel engine				
Aspiration	Natural-aspirated				Turbocharged
Number of cylinders	2	3	3	4	4
Bore and stroke mm	76×70	76×70	78×92	78×92	78×92
Displacement cc	635	952	1318	1758	1758
Cumbustion system	Swirl chamber				
Max. gross output* (ISO 3046) kW/rpm	11.3 / 3600	17.7 / 3600	21.2 / 3000	28.8 / 3000	36.8 / 3000
Fuel system	PFR-Type				
Charging alternator V - A	12 - 40	12 - 40	12 - 50	12 - 50	12 - 50
Starting system V - kW	12 - 1.2	12 - 1.7	12 - 1.7	12 - 2.0	12 - 2.0
Fuel	Diesel fuel (ASTM No.2-D)				
Lub. oil capacity ℓ	2.5	3.6	4.2	6.0	6.0
Dry weight (1500/1800 rpm. spec.) kg	71	75	135	155	174
Flywheel	SAE #6.5 (Thin type)		SAE #7.5 (Thin type)		
Flywheel Housing	SAE #5 (Thin type)		SAE #5 (Thin type)		
Emission compliance	US EPA Tier 4a		US EPA Tier 4a / EU Stage 3A		EU Stage 3A

SQ series

	S3Q2	S3Q2-T	S4Q2	S4Q2-T
Type	4-cycle, water-cooled, diesel engine			
Aspiration	Natural-aspirated	Turbocharged	Natural-aspirated	Turbocharged
Number of cylinders	3	3	4	4
Bore and stroke mm	88×103	88×103	88×103	88×103
Displacement cc	1879	1879	2505	2505
Cumbustion system	Swirl chamber			
Max. gross output* (ISO 3046) kW/rpm	23.2 / 2300	30.2 / 2400	34.6 / 2500	36.2 / 2400
Fuel system	In-line type	In-line type	Distributor type	In-line type
Charging alternator V - A	12 - 50	12 - 50	12 - 50	12 - 50
Starting system V - kW	12 - 2.0			
Fuel	Diesel fuel (ASTM No.2-D)			
Lub. oil capacity ℓ	6.4	6.4	9.2	9.2
Dry weight (1500/1800 rpm. spec.) kg	160	165	195	200
Flywheel	SAE #7.5 (Thin type)			
Flywheel housing	SAE #4 (Thin type)			
Emission compliance	US EPA Tier 4a / EU Stage 3A			

Note ＊: The output of the basic engine without such accessories as air cleaner, fan, radiater, muffler, dynamo etc.

SS series

	S4S	S4S-DT	S6S
Type	4-cycle, water-cooled, diesel engine		
Aspiration	Natural-aspirated	Turbocharged	Natural-aspirated
Number of cylinders	4	4	6
Bore and stroke mm	94×120	94×120	94×120
Displacement cc	3331	3331	4996
Cumbustion system	Swirl chamber	Direct injection	Swirl chamber
Max. gross output* (ISO 3046) kW/rpm	47 / 2500	62 / 2500	66 / 2500
Fuel system	Distributor Type		
Charging alternator V - A	12 - 50	12 - 50	12 - 50
Starting system V - kW	12 - 2.2	12 - 2.2	12 - 3.0
Fuel	Diesel fuel (ASTM No.2-D)		
Lub. oil capacity ℓ	10.0	10.0	12.5
Dry weight (1500/1800 rpm. spec.) kg	245	250	345
Flywheel	SAE #11.5 (Thin type)	SAE #11.5 (Thin type)	SAE #11.5 (Thin type)
Flywheel housing	SAE #3 (Thin type)	SAE #3 (Thin type)	SAE #3 (Thin type)
Emission compliance	US EPA Tier 3 / EU Stage 3A		No Compliance

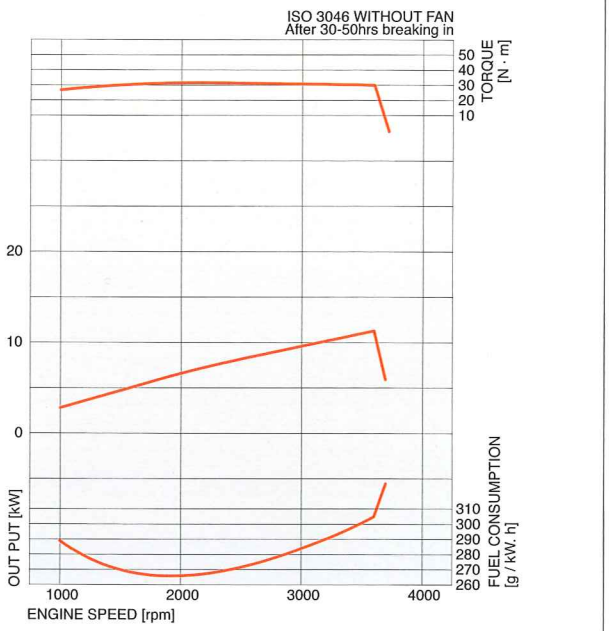
FR / FD series

	D04FR-TAA	D04FD-TAA	D06FD-TAA
Type	4-cycle, water-cooled, diesel engine		
Aspiration	Turbocharged		
Number of cylinders	4	4	6
Bore and stroke mm	102×130		
Displacement cc	4249	4249	6373
Cumbustion system	Direct injection		
Max. gross output* (ISO 3046) kW/rpm	74 / 2000	98 / 2200	117 / 1800
Fuel system	Common Rail System		
Charging alternator V - A	24 - 50	24 - 50	24 - 50
Starting system V - kW	24 - 5.0	24 - 5.0	24 - 5.0
Fuel	Diesel fuel (ASTM No.2-D)		
Lub. oil capacity ℓ	17.5	18.5	29.0
Dry weight (1500/1800 rpm. spec.) kg	395	450	570
Flywheel	MHI Standard		
Flywheel housing	SAE #3		
Emission compliance	US EPA Tier 3 / EU Stage 3A		

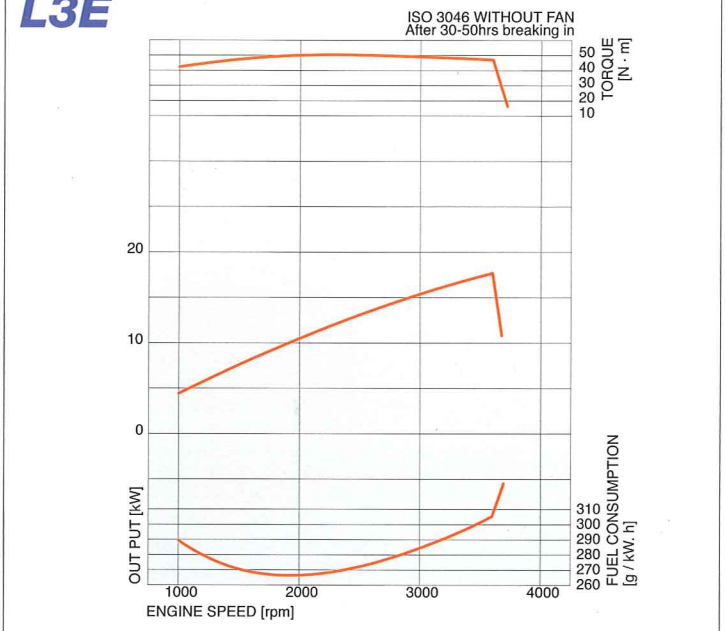
L series

Performance curve

L2E



L3E



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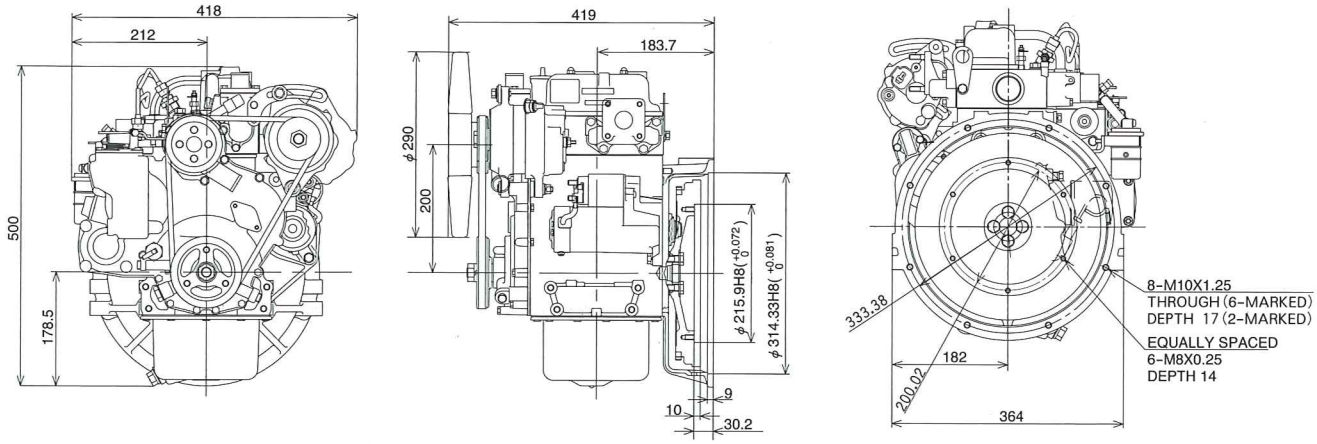
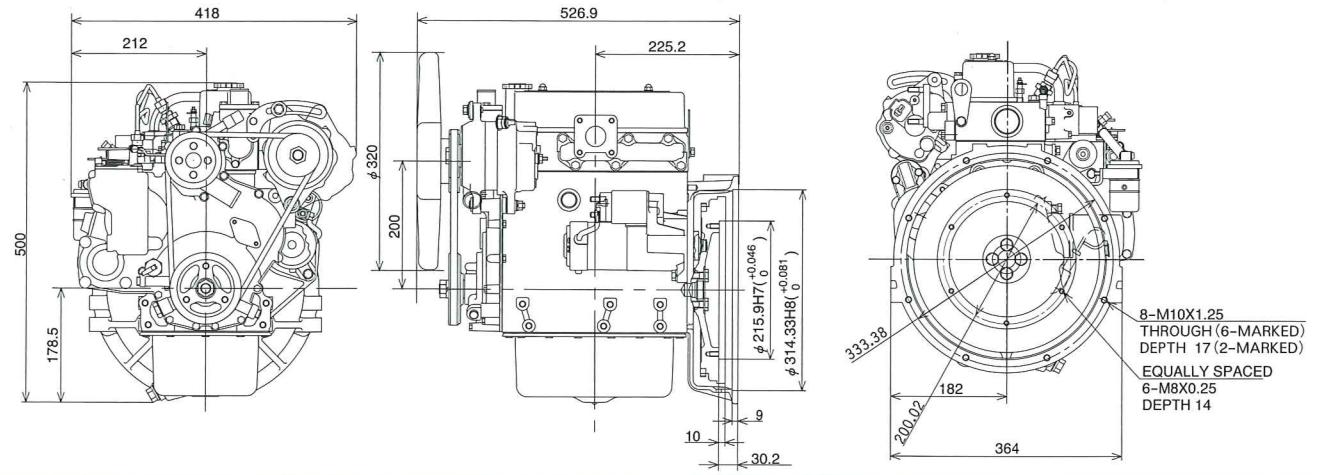


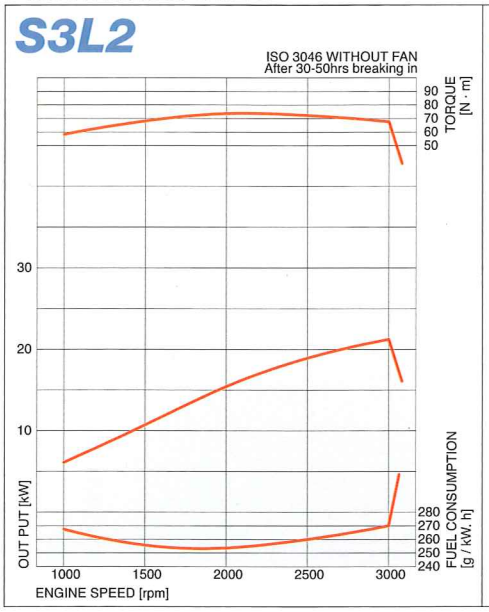
L2E



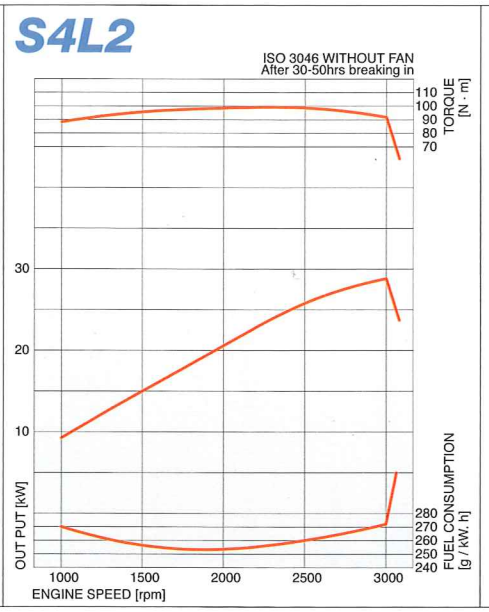
L3E

Performance curve

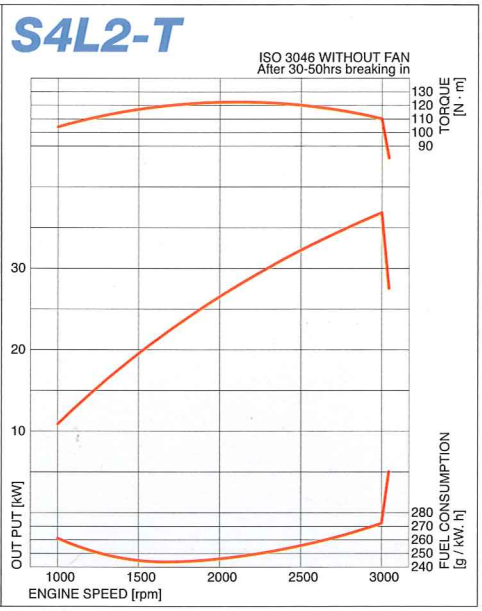
S3L2



S4L2



S4L2-T



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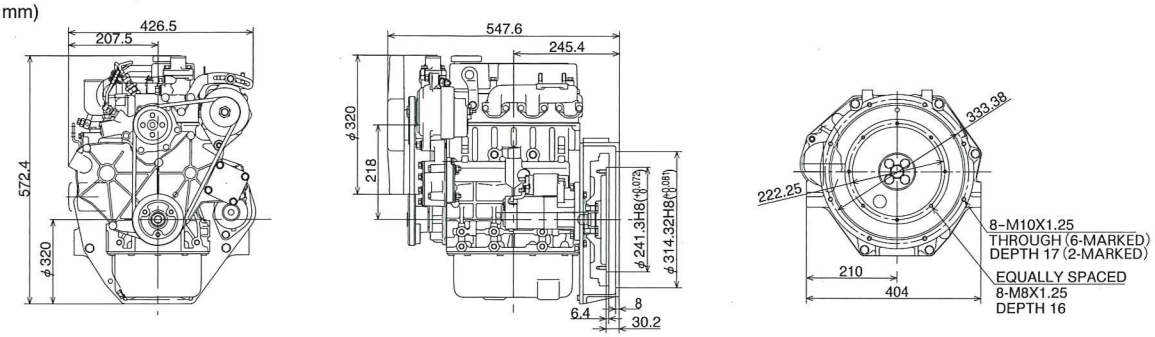
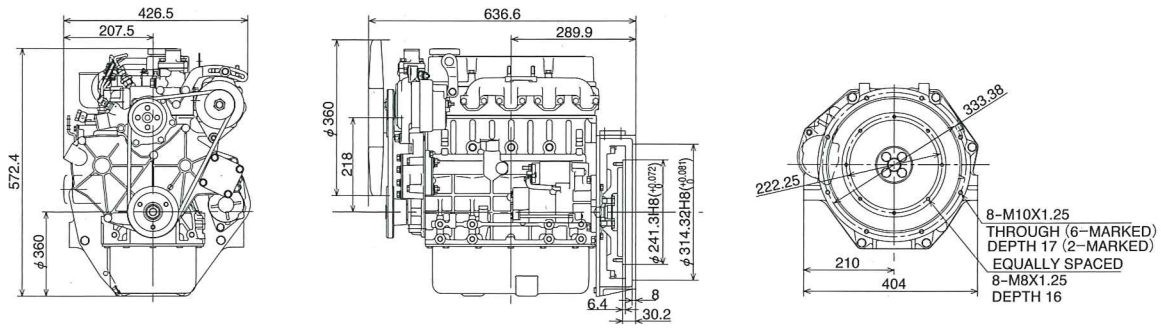
S3L2



S4L2



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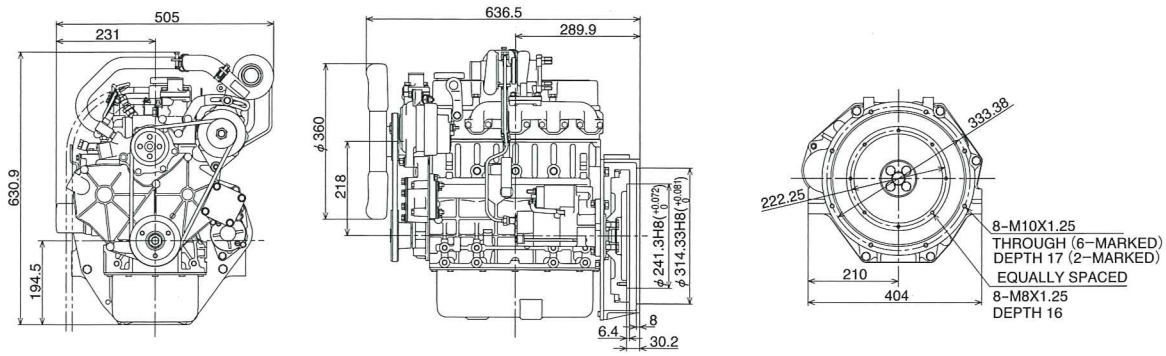
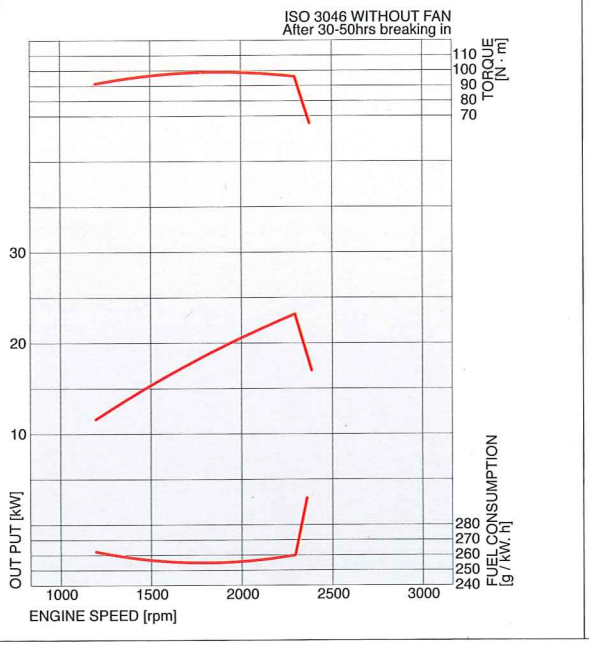


SPECIFICATION

Performance curve

S3Q2



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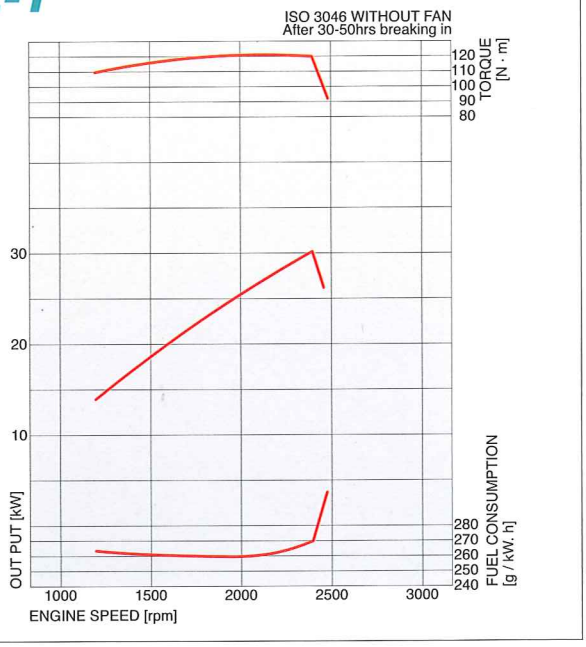
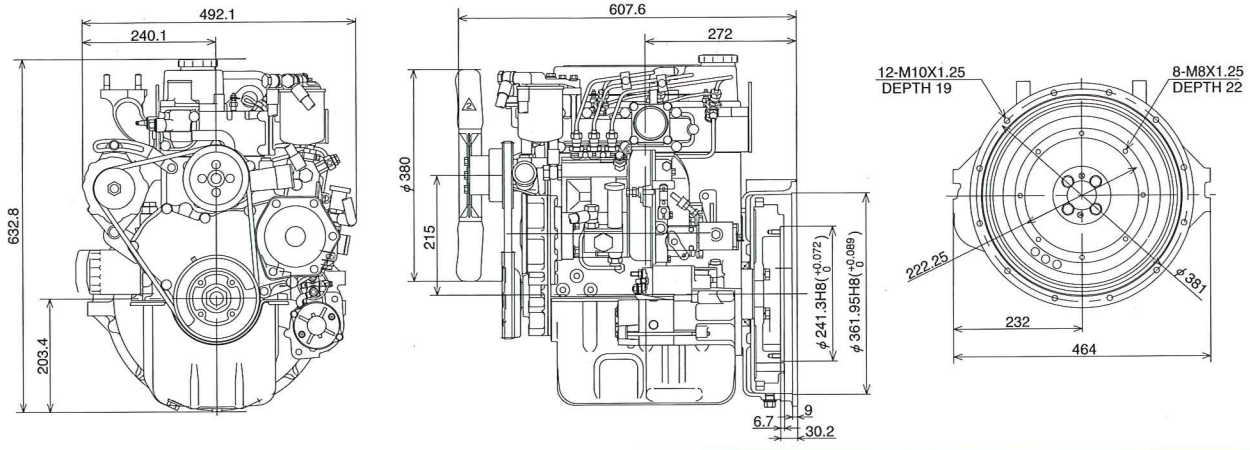


Dimensions (Unit: mm)

S3Q2



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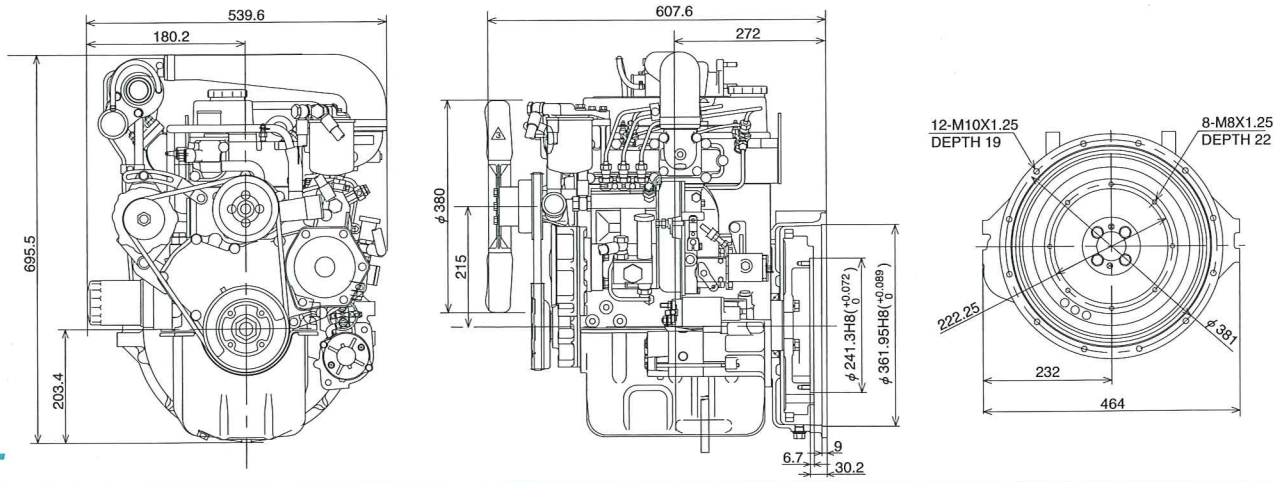
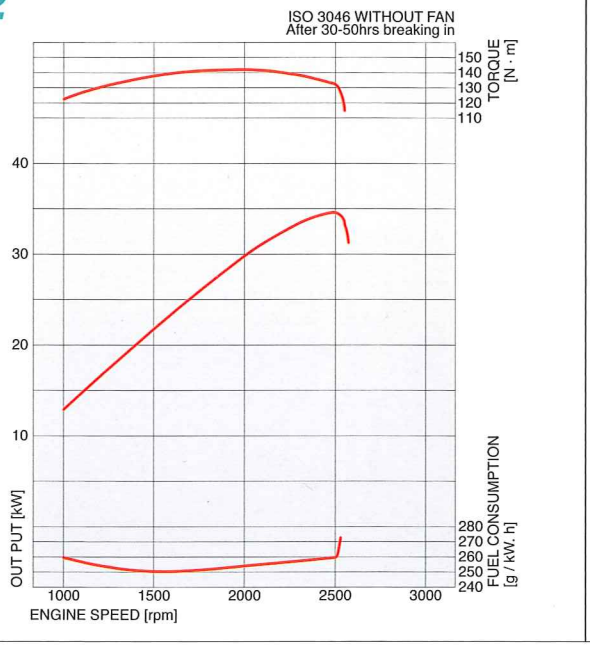


Performance curve

S4Q2



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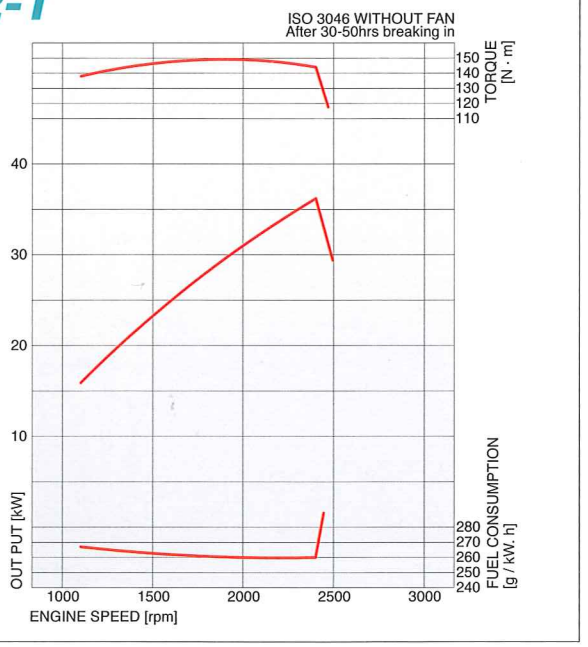

Dimensions (Unit: mm)

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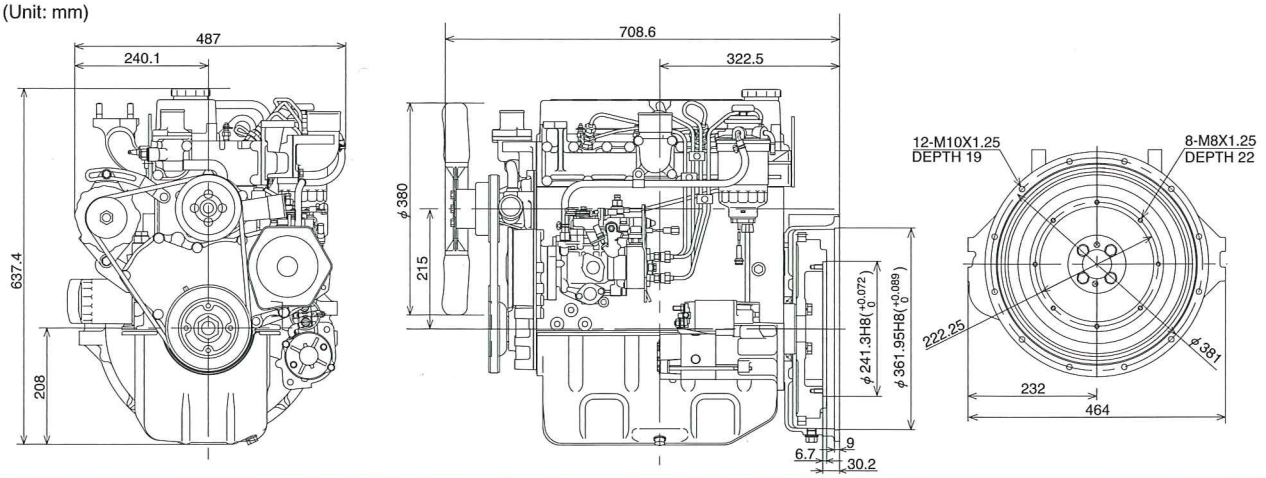

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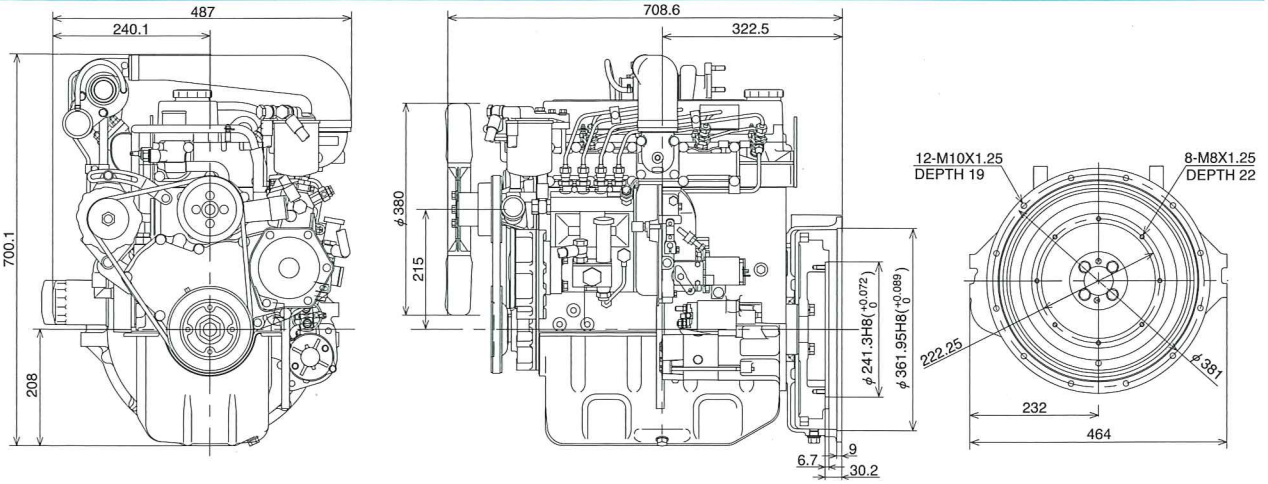
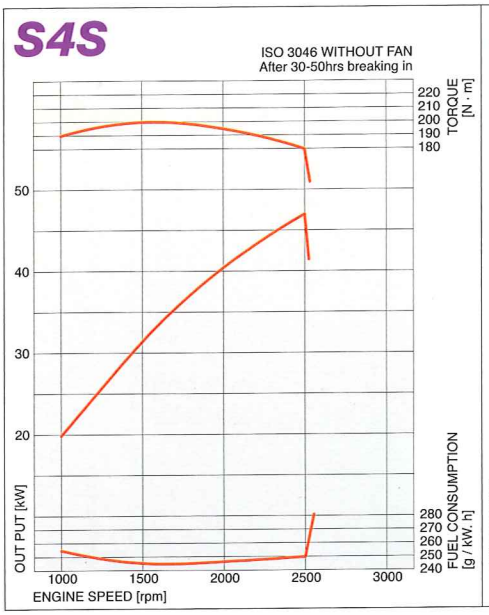


SS series

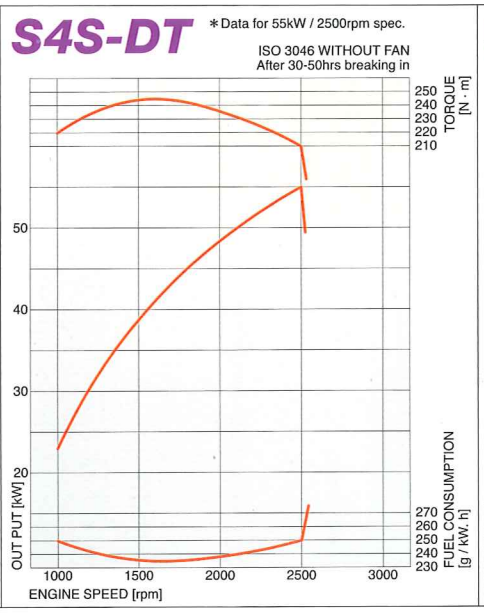
Performance curve

S4S

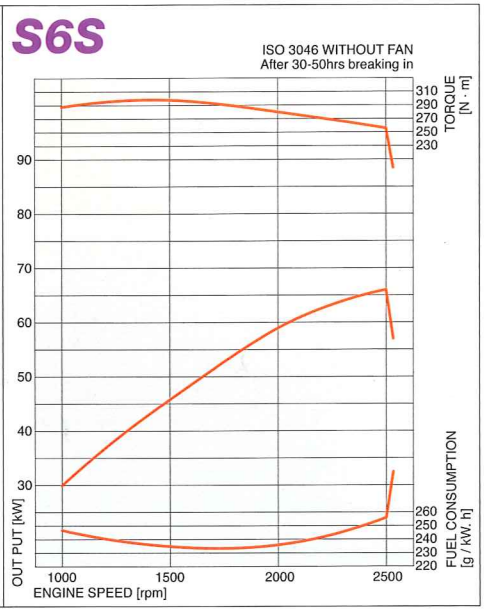


S4S-DT

*Data for 55kW / 2500rpm spec.



S6S



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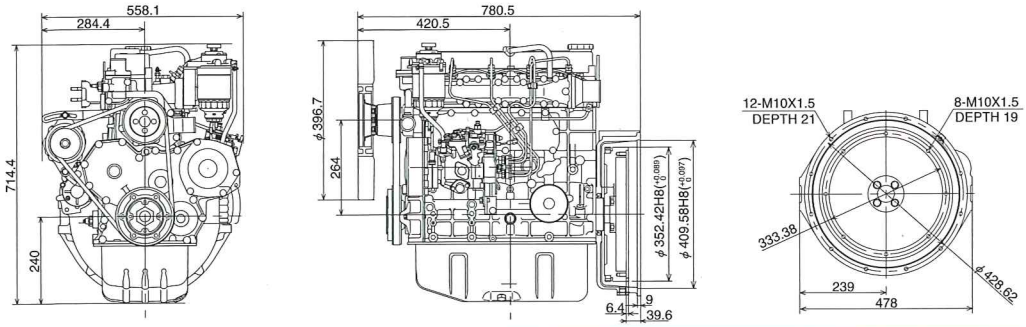
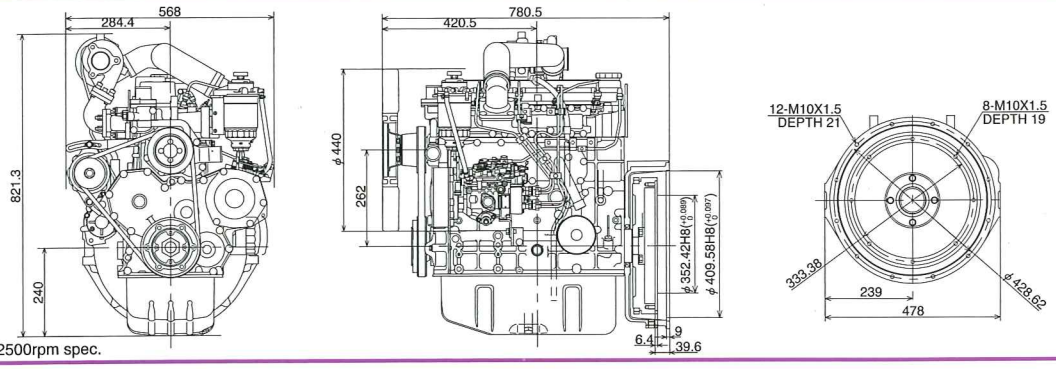


S4S-DT

*Data for 55kW / 2500rpm spec.



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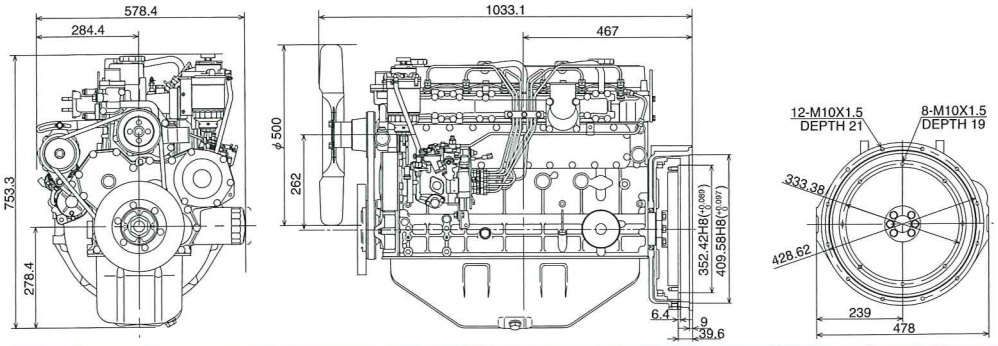
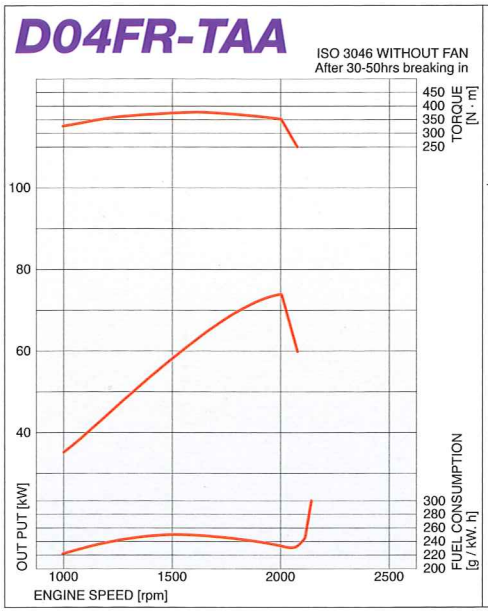


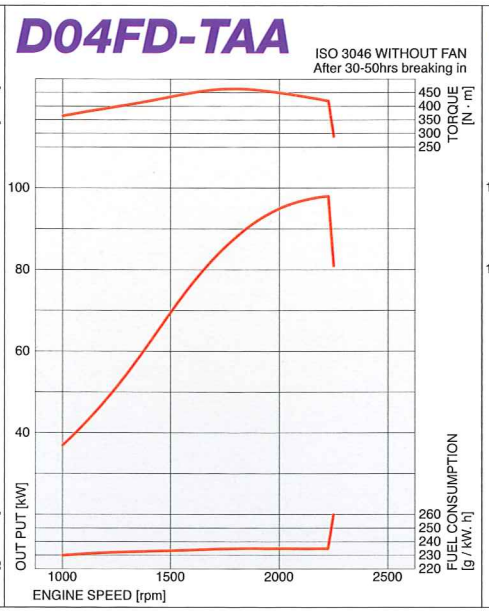
FR / FD series

Performance curve

D04FR-TAA



D04FD-TAA



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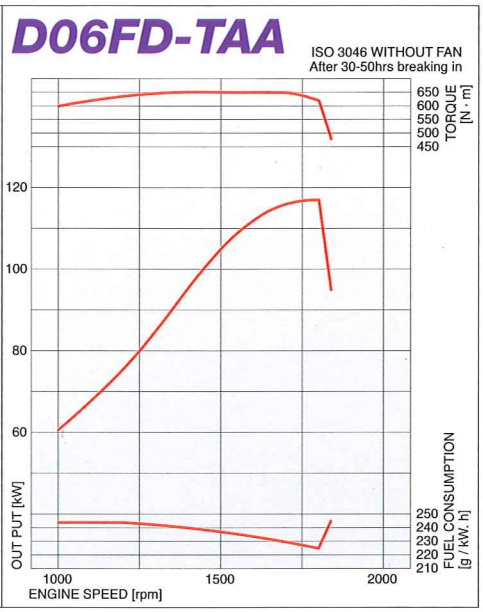
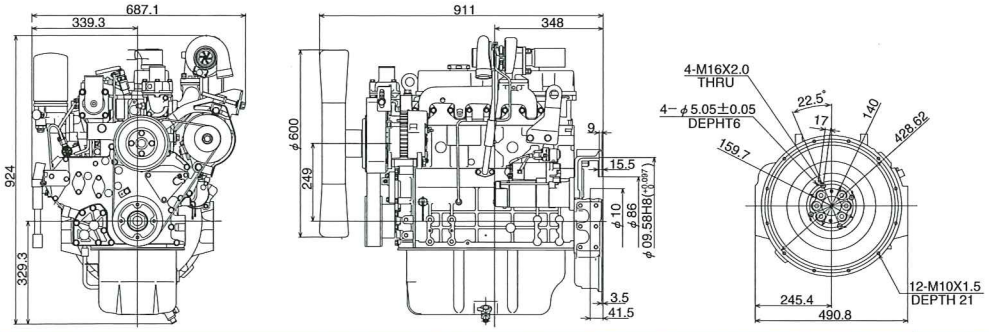


Dimensions (Unit: mm)

D04FR-TAA



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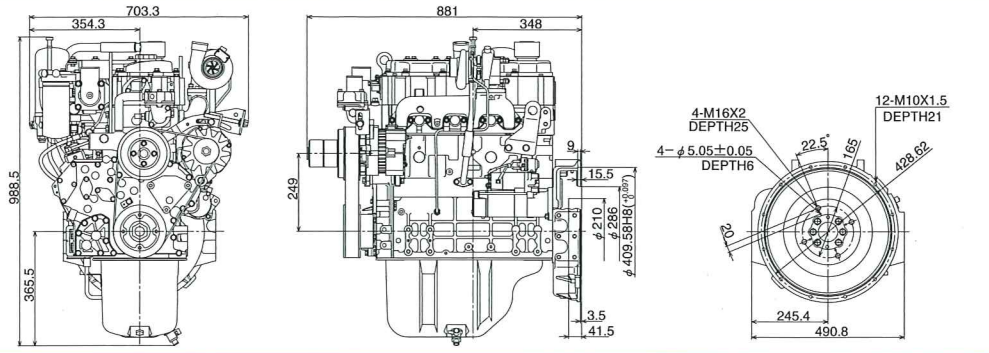
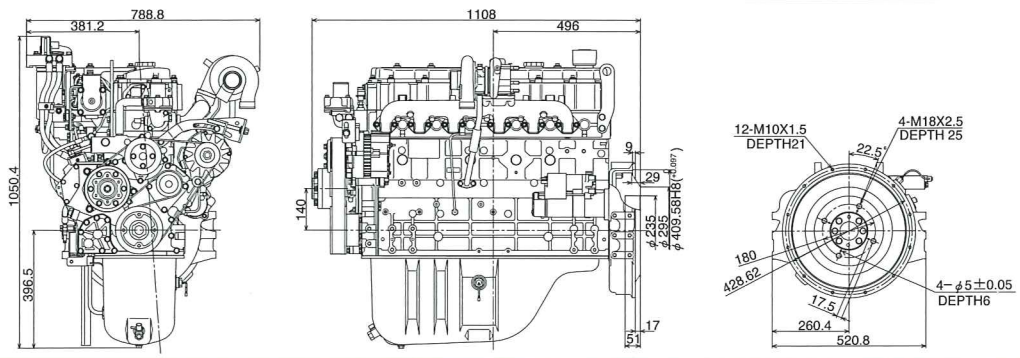


D06FD-TAA



MITSUBISHI NETWORK

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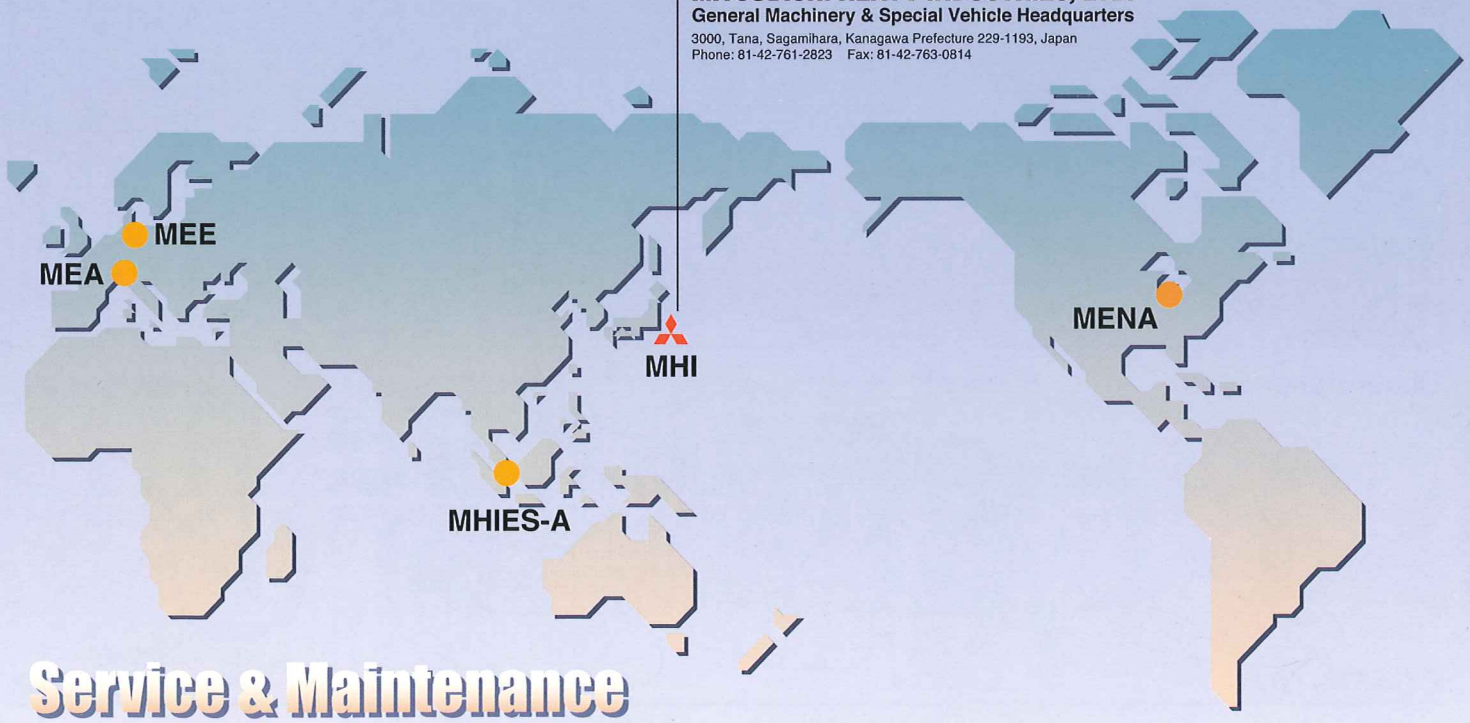

Service & Maintenance

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⚠ Please read the accompanying instruction manual and all caution labels before operating equipment. The specification described in this catalog is subject to change without prior notice.

ISO 9001 REGISTERED FIRM MGMT. SYS. RvA C 024
ISO 14001 REGISTERED FIRM MGMT. SYS. RvA C 425

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