

MITSUBISHI DIESEL ENGINE

SMALL ENGINE SERIES



Mitsubishi is proud to show its lineup of high performance diesel engines with its latest concentration of advanced technology and know-how.

Now you can select the engine suited to your very need in construction equipment, industrial equipment and in other applications.

L series

Light and compact, best for small size construction equipment and generators.

SL series

Tenacious and durable, especially designed to be used in construction and industrial equipment which demand high efficiency and low fuel consumption.

SQ series

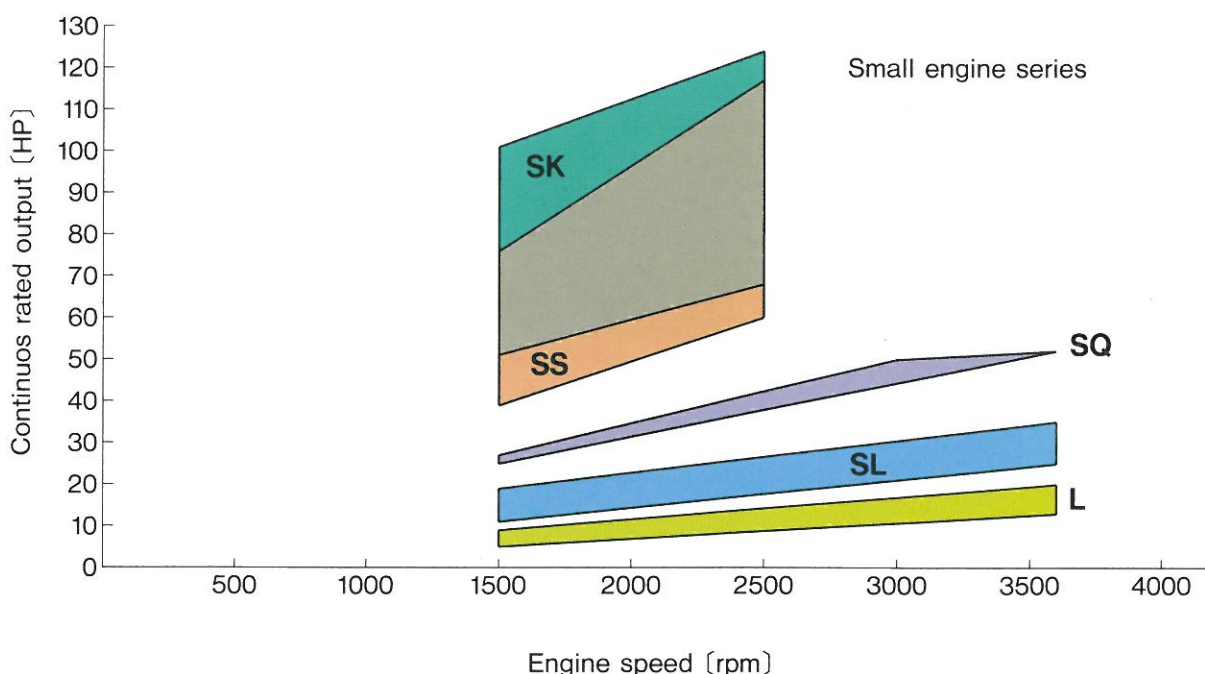
Power to spare, superior performance in a wide range while being emission clean and environment friendly.

SS series

Low noise and emission exhaust, completely suitable for urban needs. Choice of either direct injection or swirl chamber type.

SK series

Powerful but yet quiet, an advanced engine with liter measured cylinders.



ADVANCED TECHNOLOGY

Low Noise

Through the optimum analysis and matching of each combustion parts, we have achieved the lowest noise level of any engines in their class.

Low Emission Exhaust

Mitsubishi's continuing efforts to design environmental friendly products, we out-performed ourselves by designing a new combustion chamber to achieve a cleaner exhaust system that is both friendly to living things as well as to the environment.

Low Fuel Consumption

A characteristic to all Mitsubishi engines is their low fuel consumption. On most of our *Small Engine Series* Mitsubishi's very own designed and manufactured turbochargers attain further optimal low fuel consumption.

Easy Maintenance

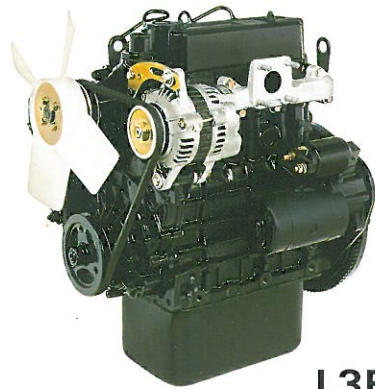
Daily maintenance can be performed with ease as all service points and parts are on one side of the engine.

MITSUBISHI DIESEL ENGINE

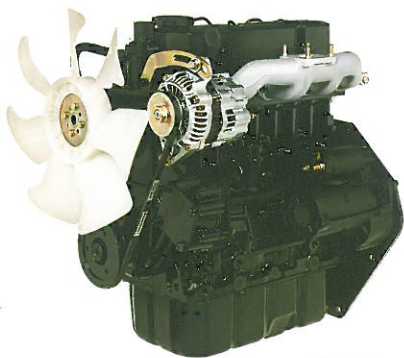
Specifications			L SERIES		SL SERIES		SQ SERIES		SS SERIES		SK SERIES																			
Model			L2E	L3E	S3L	S3L2	S4L	S4L2	S4Q	S4Q2	S4S	S4S-D	S4S-DT	S6S	S6S-D	S6S-DT	S4K	S4K-T	S6K	S6K-T										
Specifications	Type		4-cycle, water-cooled, diesel engine		4-cycle, water-cooled, diesel engine				4-cycle, water-cooled, diesel engine		4-cycle, water-cooled, diesel engine						4-cycle, water-cooled, diesel engine													
			Natural-aspirated		Natural-aspirated				Natural-aspirated		Natural-aspirated		Turbocharged		Natural-aspirated		Turbocharged		Natural-aspirated	Turbocharged	Natural-aspirated	Turbocharged								
	Cylinder arrangement-Piston bore X Stroke mm		2—76×70		3—76×70		3—78×78.5		3—78×92		4—78×78.5		4—78×92		4—88×95		4—88×103		4—94×120				6—94×120				4—102×130		6—102×130	
	Total displacement ℓ		0.635		0.952		1.125		1.318		1.500		1.758		2.311		2.505		3.331				4.996				4.249		6.373	
	Combustion system		Swirl chamber		Swirl chamber				Swirl chamber		Swirl chamber		Swirl chamber		Direct injection		Swirl chamber		Direct injection		Direct injection									
	Dimensions	Length	mm	382		465		515		599		708		781				1033				812		838.5		1107.5		1107.5		
		Width	mm	400		451		440		493		567				579				615		638.5		614		713				
		Height	mm	500		572		572		631		717		815		748		839		867		872		903		918				
	Dry weight kg		61		75		135		155		195		245		250		345		355		340		350		465		475			
	Starting system		Electric starting with cell starter		Electric starting with cell starter				Electric starting with cell starter		Electric starting with cell starter						Electric starting with cell starter													
Fuel oil		Diesel fuel oil (ASTM No.2-D)		Diesel fuel oil (ASTM No.2-D)				Diesel fuel oil (ASTM No.2-D)		Diesel fuel oil (ASTM No.2-D)						Diesel fuel oil (ASTM No.2-D)														

Application output chart

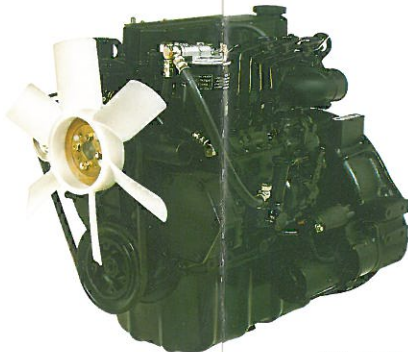
Model			L2E	L3E	S3L	S3L2	S4L	S4L2	S4Q	S4Q2	S4S	S4S-D	S4S-DT	S6S	S6S-D	S6S-DT	S4K	S4K-T	S6K	S6K-T
Power unit	Continuous power rating output kW (HP)	1500rpm	4.3 (5.8)	6.6 (8.9)	8.4 (11.3)	10.1 (13.5)	11.9 (16.0)	14.3 (19.2)	18.8 (25.0)	20.2 (27.0)	29.4 (39.5)	38.2 (51.5)	43.4 (58.0)	56.6 (76.0)	38.0 (51.0)	50.0 (67.0)	57.0 (76.5)	75.0 (100.5)		
		1800rpm	5.3 (7.1)	8.2 (11.0)	10.5 (14.1)	12.6 (16.9)	14.7 (19.7)	17.5 (23.5)	22.8 (30.5)	24.6 (33.0)	34.9 (47.0)	45.2 (60.5)	51.1 (68.5)	66.9 (89.5)	44.0 (59.0)	58.0 (78.0)	65.0 (87.0)	87.0 (116.5)		
		2000rpm	6.0 (8.0)	9.3 (12.5)	11.9 (16.0)	14.0 (18.8)	16.4 (22.0)	19.2 (25.7)	25.4 (34.0)	27.6 (37.0)	38.2 (51.0)	49.6 (66.5)	55.5 (74.5)	73.9 (99.0)	47.0 (63.0)	59.0 (79.0)	69.0 (92.5)	89.0 (119.5)		
		2200rpm	6.6 (8.9)	10.2 (13.7)	13.3 (17.8)	15.4 (20.7)	18.2 (24.4)	21.0 (28.2)	27.9 (37.5)	30.2 (40.5)	41.2 (55.5)	54.0 (72.5)	59.2 (79.5)	80.1 (107.5)	50.0 (67.0)	60.0 (80.5)	72.0 (96.5)	91.0 (122.0)		
		2500rpm	7.4 (9.9)	11.6 (15.6)	15.0 (20.1)	17.1 (22.9)	20.3 (27.2)	23.4 (31.4)	30.9 (41.5)	33.1 (44.5)	44.9 (60.0)	59.5 (80.0)	63.3 (85.0)	87.5 (117.5)	51.0 (68.5)	61.0 (82.0)	74.0 (99.0)	92.0 (123.5)		
		3000rpm	8.6 (11.5)	13.2 (17.7)	17.8 (23.9)	19.6 (26.3)	23.7 (31.8)	26.2 (35.1)	34.9 (47.0)	37.5 (50.5)	-	-	-	-	-	-	-	-		
		3600rpm	9.9 (13.3)	15.2 (20.4)	18.9 (25.3)	19.9 (26.7)	25.2 (33.8)	26.6 (35.7)	39.0 (52.5)	-	-	-	-	-	-	-	-	-		
	One-hour rating output kW (HP)	1500rpm	4.7 (6.3)	7.4 (9.9)	8.8 (11.8)	10.7 (14.3)	12.5 (16.8)	15.1 (20.2)	19.9 (26.5)	21.7 (29.0)	30.9 (41.5)	40.5 (54.0)	45.6 (61.0)	59.6 (80.0)	42.0 (56.5)	55.0 (74.0)	63.0 (84.5)	82.0 (110.0)		
		1800rpm	5.9 (7.9)	9.1 (12.2)	11.0 (14.8)	13.2 (17.7)	15.4 (20.7)	18.4 (24.7)	24.3 (32.5)	26.1 (35.0)	36.8 (49.5)	47.8 (64.0)	53.7 (72.0)	70.6 (94.5)	49.0 (65.5)	64.0 (86.0)	72.0 (96.5)	95.0 (127.5)		
		2000rpm	6.6 (8.9)	10.2 (13.7)	12.5 (16.8)	14.7 (19.7)	17.3 (23.2)	20.2 (27.1)	26.8 (36.0)	29.1 (39.0)	40.5 (54.0)	52.2 (70.0)	58.5 (78.5)	78.3 (105.0)	52.0 (69.5)	65.0 (87.0)	76.0 (102.0)	99.0 (133.0)		
		2200rpm	7.4 (9.9)	11.3 (15.2)	14.0 (18.8)	16.2 (21.7)	19.1 (25.6)	22.1 (29.6)	29.4 (39.5)	32.0 (43.0)	43.4 (58.0)	56.6 (76.0)	62.1 (83.5)	84.5 (113.5)	55.0 (74.0)	67.0 (90.0)	79.0 (106.0)	101.0 (135.5)		
		2500rpm	8.2 (11.0)	12.9 (17.3)	15.8 (21.2)	18.0 (24.1)	21.3 (28.6)	24.6 (33.0)	32.7 (44.0)	35.3 (47.5)	47.1 (63.0)	62.5 (84.0)	66.2 (88.5)	91.9 (123.0)	57.0 (76.5)	68.0 (91.0)	82.0 (110.0)	102.0 (137.0)		
		3000rpm	9.6 (12.9)	14.7 (19.7)	18.8 (25.2)	20.6 (27.6)	25.0 (33.5)	27.6 (37.0)	36.8 (49.5)	39.7 (53.0)	-	-	-	-	-	-	-	-		
		3600rpm	11.0 (14.8)	16.9 (22.7)	19.9 (26.7)	21.0 (28.2)	26.5 (35.5)	27.9 (37.4)	41.2 (55.0)	-	-	-	-	-	-	-	-	-		
For construction machinery	Continuous rated output kW (HP)	1500rpm	4.3 (5.8)	6.6 (8.9)	8.4 (11.3)	10.1 (13.5)	11.9 (16.0)	14.3 (19.2)	18.8 (25.0)	20.2 (27.0)	29.4 (39.5)	38.2 (51.5)	43.4 (58.0)	56.6 (76.0)	38.0 (51.0)	50.0 (67.0)	57.0 (76.5)	75.0 (100.5)		
		1800rpm	5.3 (7.1)	8.2 (11.0)	10.5 (14.1)	12.6 (16.9)	14.7 (19.7)	17.5 (23.5)	22.8 (30.5)	24.6 (33.0)	34.9 (47.0)	45.2 (60.5)	51.1 (68.5)	66.9 (89.5)	44.0 (59.0)	58.0 (78.0)	65.0 (87.0)	87.0 (116.5)		
		2000rpm	6.0 (8.0)	9.3 (12.5)	11.9 (16.0)	14.0 (18.8)	16.4 (22.0)	19.2 (25.7)	25.4 (34.0)	27.6 (37.0)	38.2 (51.5)	49.6 (66.5)	55.5 (74.5)	73.9 (99.0)	47.0 (63.0)	59.0 (79.0)	69.0 (92.5)	89.0 (119.5)		
		2200rpm	6.6 (8.9)	10.2 (13.7)	13.3 (17.8)	15.4 (20.7)	18.2 (24.4)	21.0 (28.2)	27.9 (37.5)	30.2 (40.5)	41.2 (55.0)	54.0 (72.5)	59.2 (79.5)	80.1 (107.5)	50.0 (67.0)	60.0 (80.5)	72.0 (96.5)	91.0 (122.0)		
		2500rpm	7.4 (9.9)	11.6 (15.6)	15.0 (20.1)	17.1 (22.9)	20.3 (27.2)	23.4 (31.4)	30.9 (41.5)	33.1 (44.5)	44.9 (60.0)	59.5 (80.0)	63.3 (85.0)	87.5 (117.5)	51.0 (68.5)	61.0 (82.0)	74.0 (99.0)	92.0 (123.5)		
		3000rpm	8.6 (11.5)	13.2 (17.7)	17.8 (23.9)	19.6 (26.3)	23.7 (31.8)	26.2 (35.1)	34.9 (47.0)	37.5 (50.5)	-	-	-	-	-	-	-	-		
		3600rpm	9.9 (13.3)	15.2 (20.4)	18.9 (25.3)	19.9 (26.7)	25.2 (33.8)	26.6 (35.7)	39.0 (52.5)	-	-	-	-	-	-	-	-	-		
Generator	Prime power rating output kW (HP)	50Hz	1500rpm	4.0 (5.4)	6.3 (8.4)	8.1 (10.9)	9.6 (12.9)	11.4 (15.3)	13.6 (18.2)	18.0 (24.0)	19.9 (26.5)	28.0 (37.5)	36.8 (49.5)	41.2 (55.0)	54.1 (72.5)	42.0 (56.5)	54.0 (72.5)	63.0 (84.5)	80.0 (107.5)	
		3000rpm	8.2 (11.0)	12.6 (16.9)	16.3 (21.9)	17.7 (23.7)	22.1 (29.6)	24.1 (32.3)	33.5 (45.0)	36.0 (48.5)	-	-	-	-	-	-	-	-		
	Stand by power rating output kW (HP)	60Hz	1800rpm	5.0 (6.7)	7.8 (10.5)	9.9 (13.3)	11.8 (15.8)	14.0 (18.8)	16.6 (22.3)	22.1 (29.5)	23.9 (32.0)	33.5 (45.0)	43.4 (58.0)	48.5 (65.0)	64.0 (85.5)	49.0 (65.5)	60.0 (80.5)	72.0 (96.5)	89.0 (119.5)	
		3600rpm	9.4 (12.6)	14.5 (19.4)	17.7 (23.7)	19.0 (25.5)	24.1 (32.3)	25.4 (34.1)	37.5 (50.5)	-	-	-	-	-	-	-	-	-		
		50Hz	1500rpm	4.7 (6.3)	7.4 (9.9)	8.8 (11.8)	10.7 (14.3)	12.5 (16.8)	15.0 (20.1)	19.9 (26.5)	21.7 (29.0)	30.9 (41.5)	40.5 (54.0)	45.6 (61.0)	59.6 (80.0)	46.0 (61.5)	59.0 (79.0)	69.0 (92.5)	88.0 (118.0)	
		3000rpm	9.6 (12.9)	14.7 (19.7)	18.8 (25.2)	20.6 (27.6)	25.0 (33.5)	27.6 (37.0)	36.8 (49.5)	39.7 (53.0)	-	-	-	-	-	-	-	-		
60Hz	1800rpm	5.9 (7.9)	9.1 (12.2)	11.0 (14.8)	13.2 (17.7)	15.4 (20.7)	18.4 (24.7)	24.3 (32.5)	26.1 (35.0)	36.8 (49.5)	47.8 (64.0)	53.7 (72.0)	70.6 (94.5)	54.0 (72.5)	66.0 (88.5)	79.0 (106.0)	99.0 (133.0)			
3600rpm	11.0 (14.8)	16.9 (22.7)	19.9 (26.7)	21.0 (28.2)	26.5 (35.5)	27.9 (37.4)	41.2 (55.0)	-	-	-	-	-	-	-	-	-				



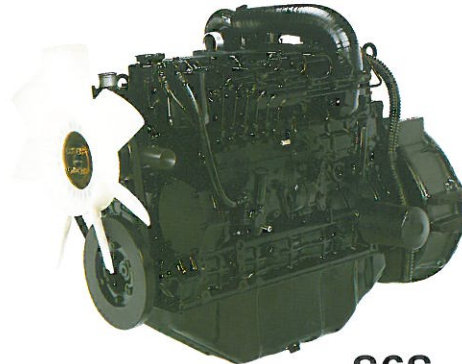
L3E



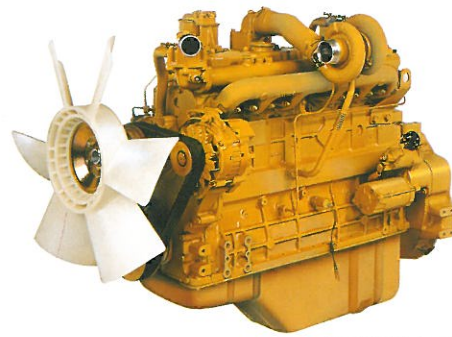
S4L



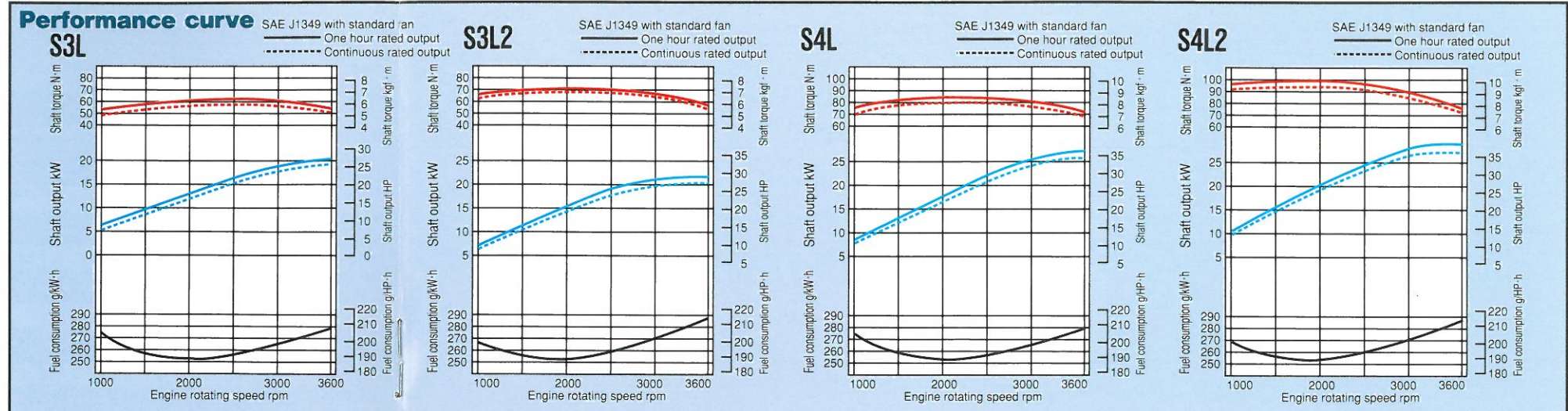
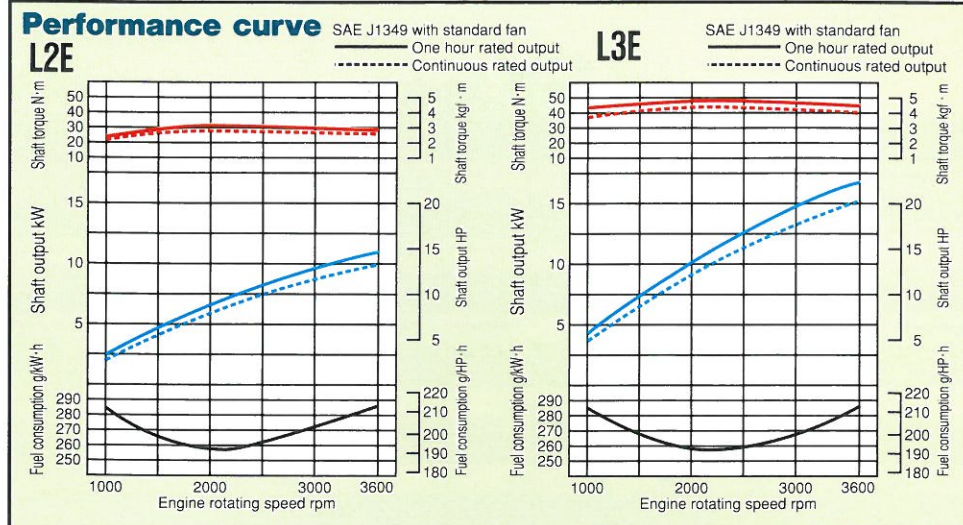
S4Q



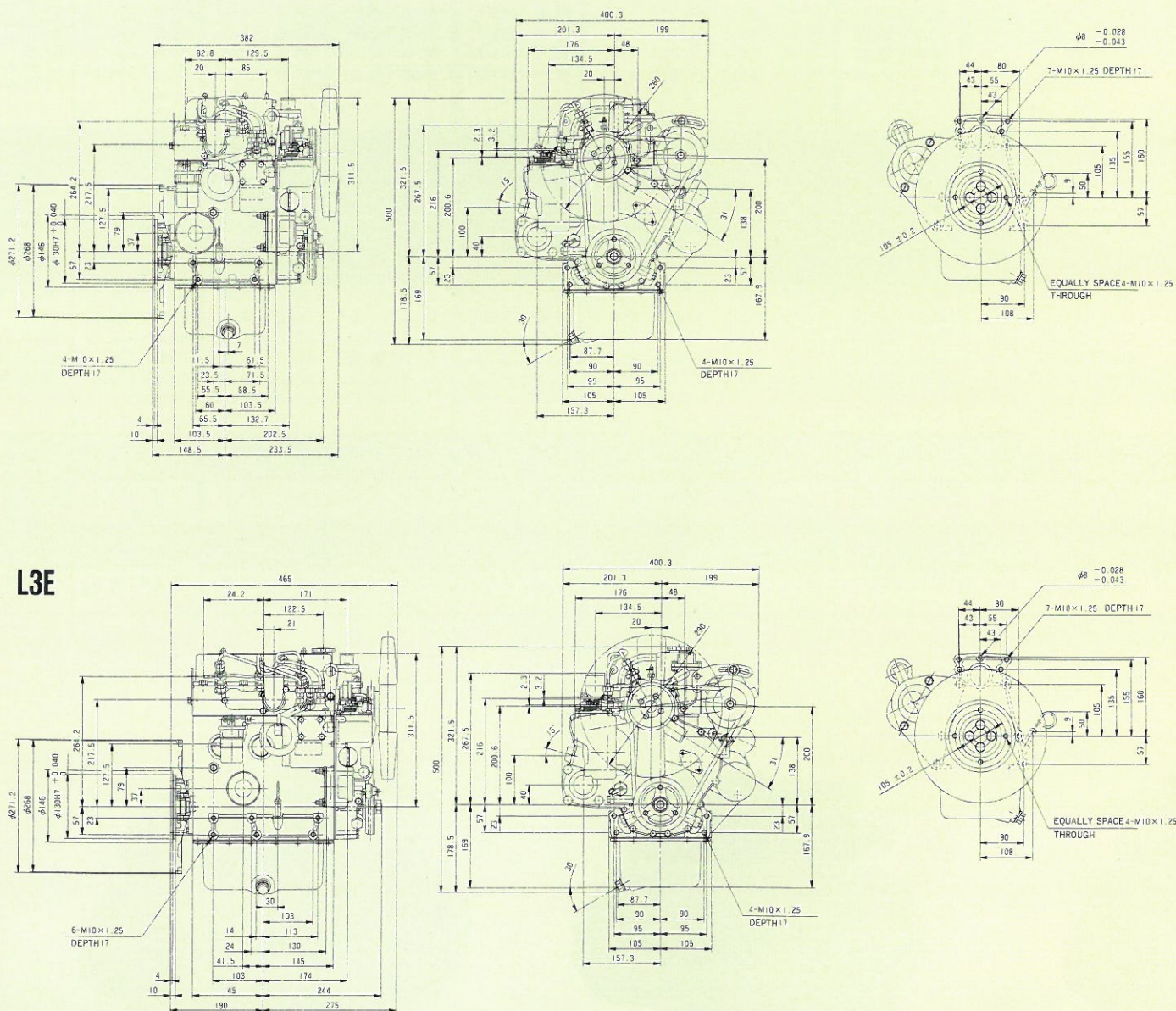
S6S



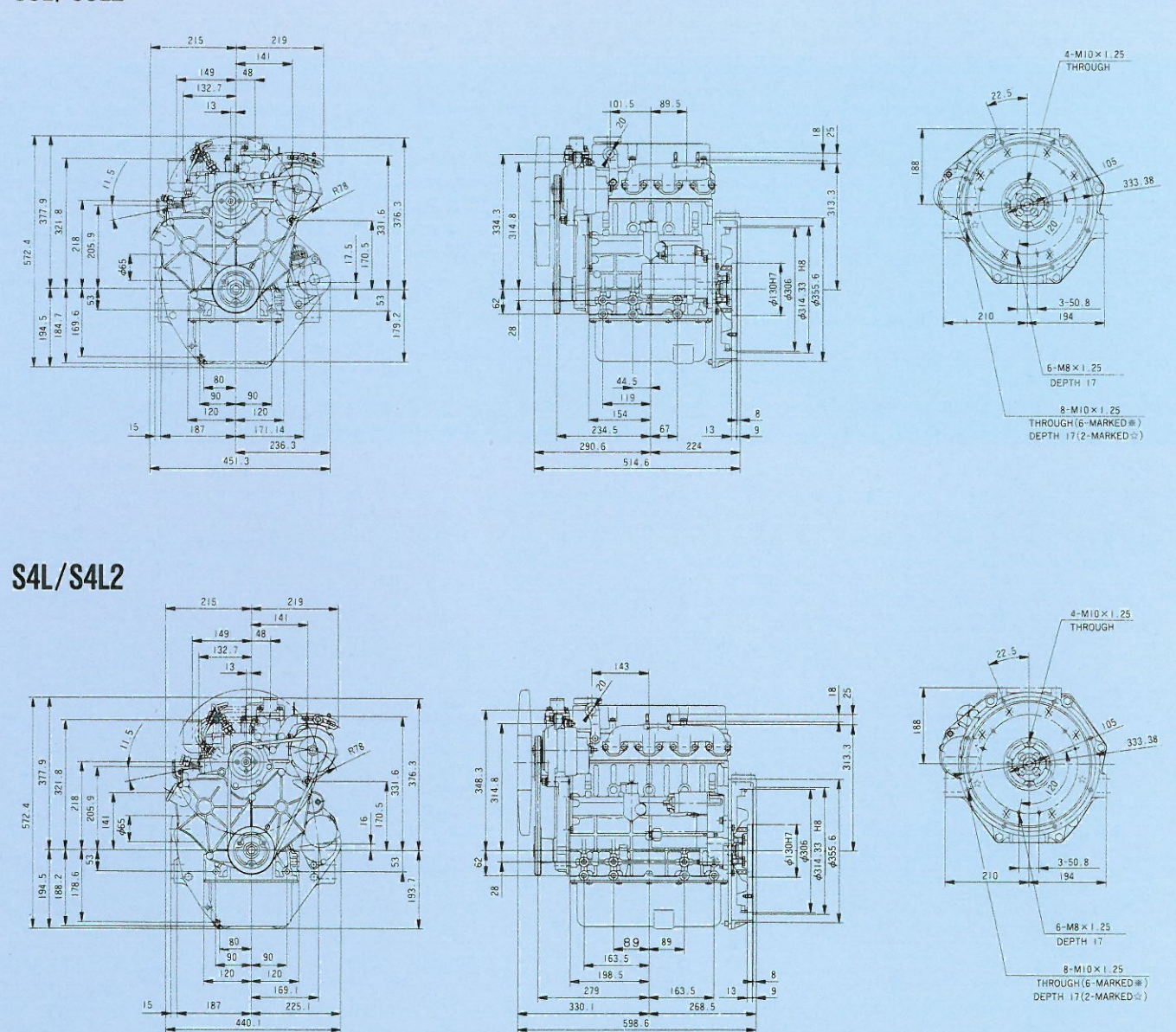
S6K-T

L SERIES

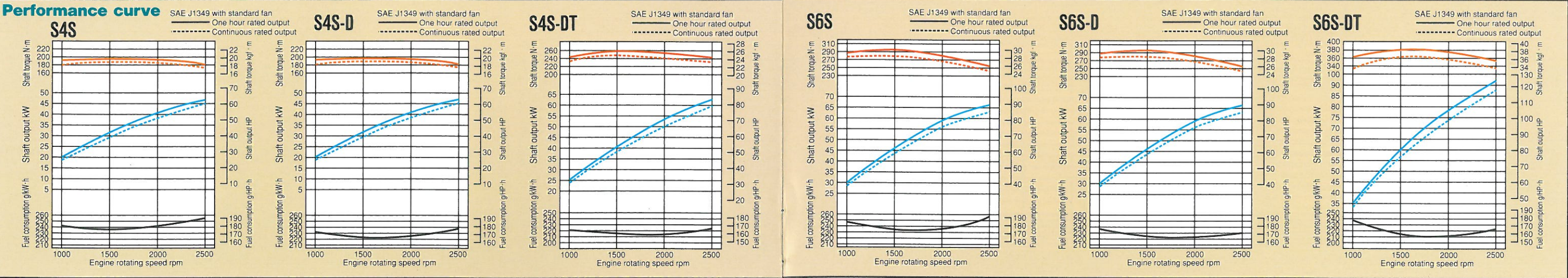
General dimensional drawing



General dimensional drawing

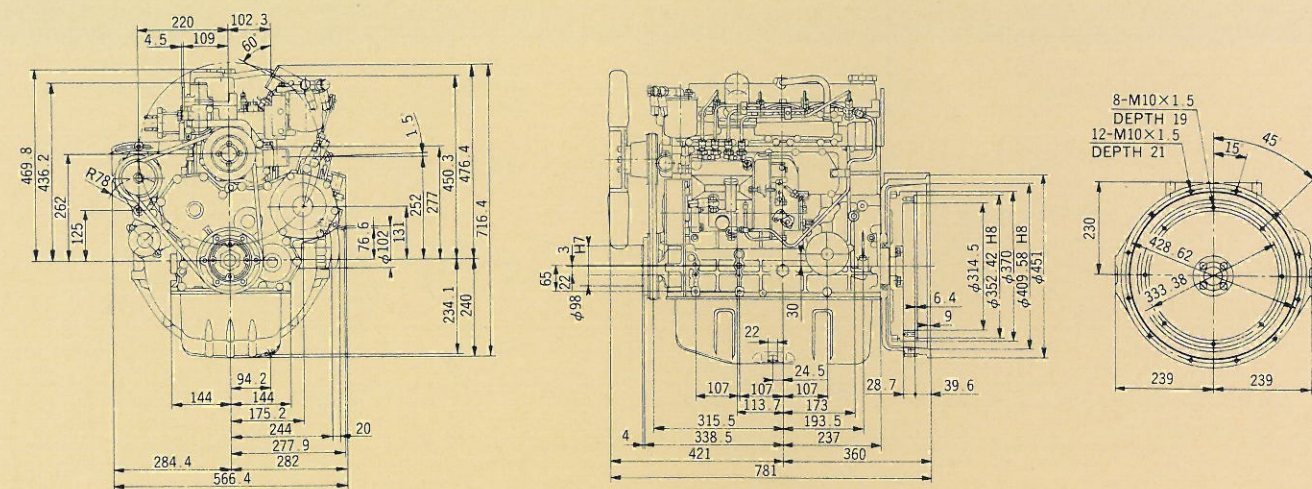


Performance curve

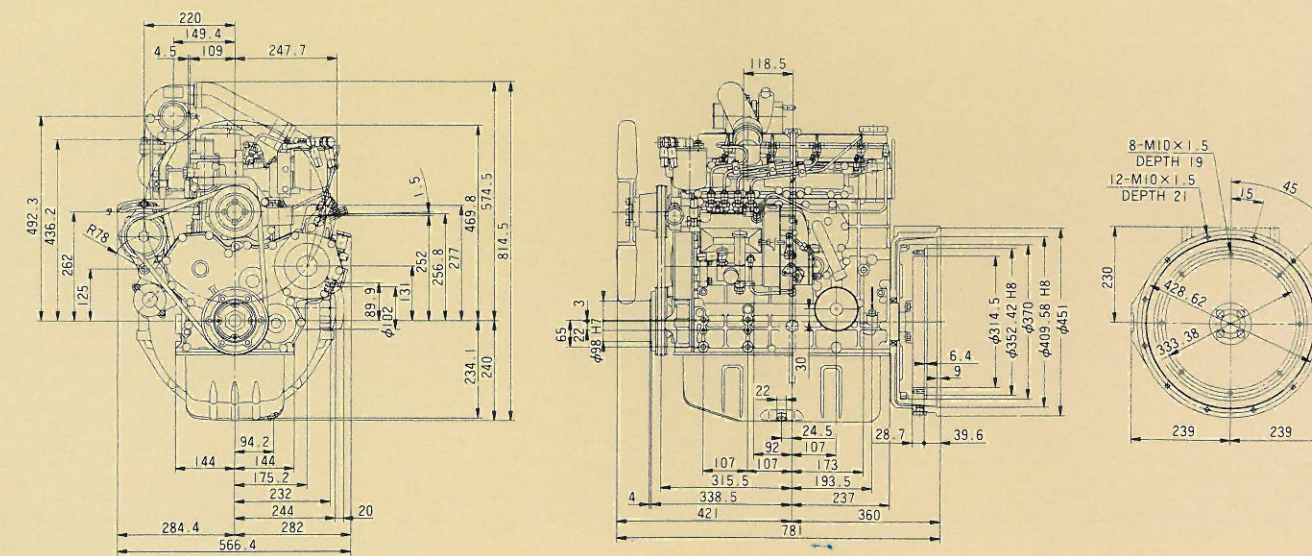


General dimensional drawing

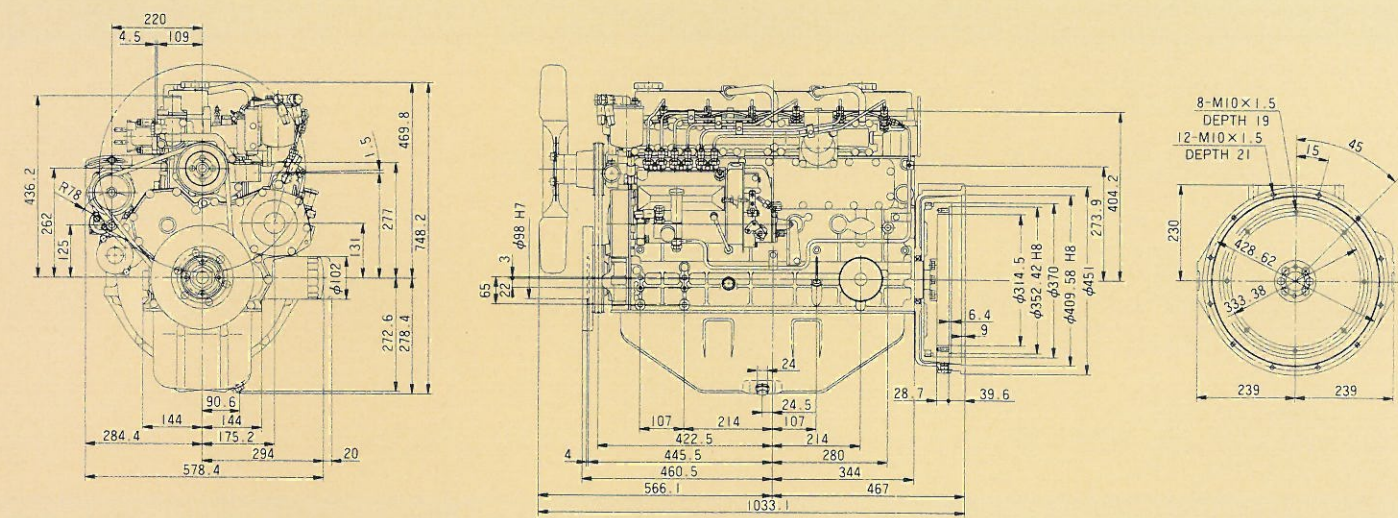
S4S/S4S-D



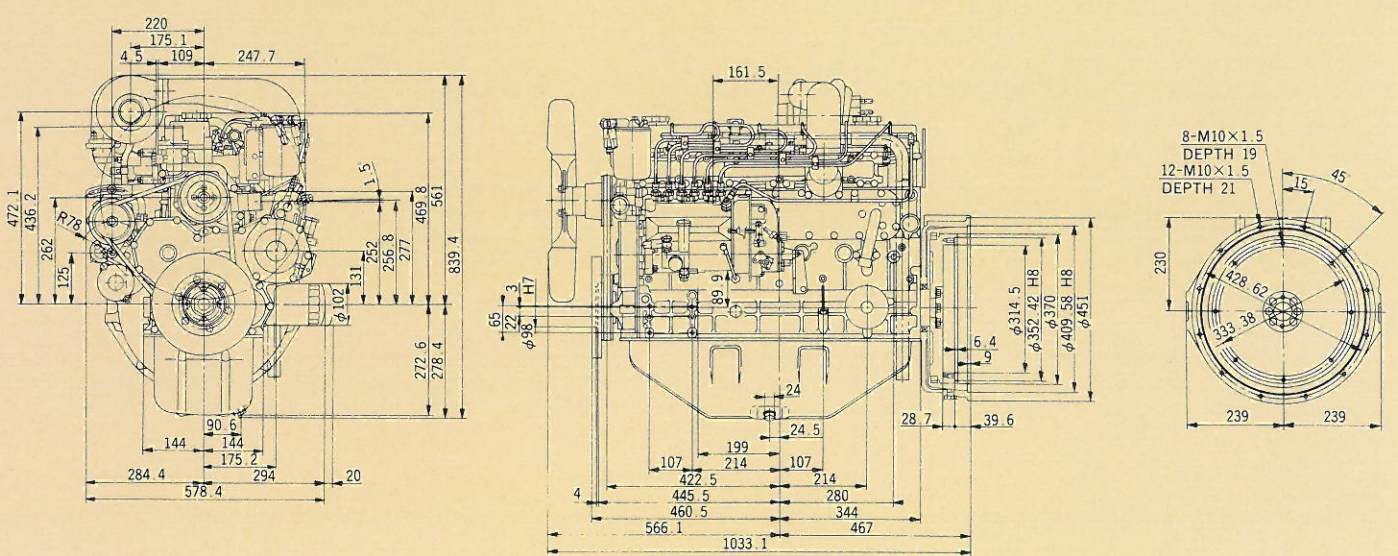
S4S-DT



S6S/S6S-D



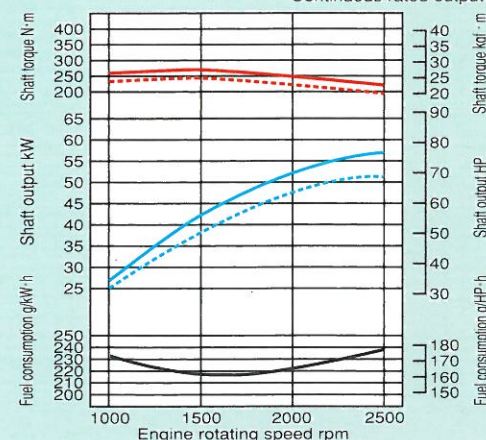
S6S-DT



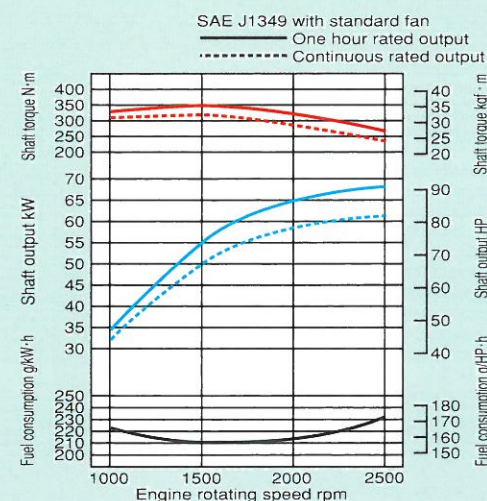
Performance curve

SAE J1349 with standard fan
 — One hour rated output
 Continuous rated output

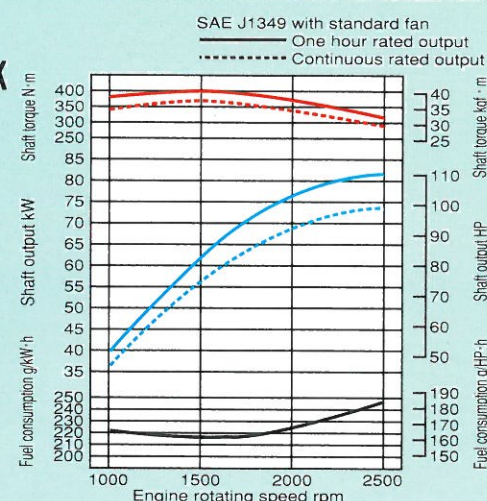
S4K



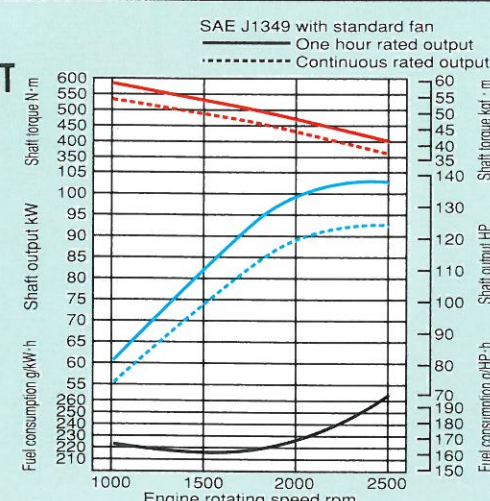
S4K-T



S6K

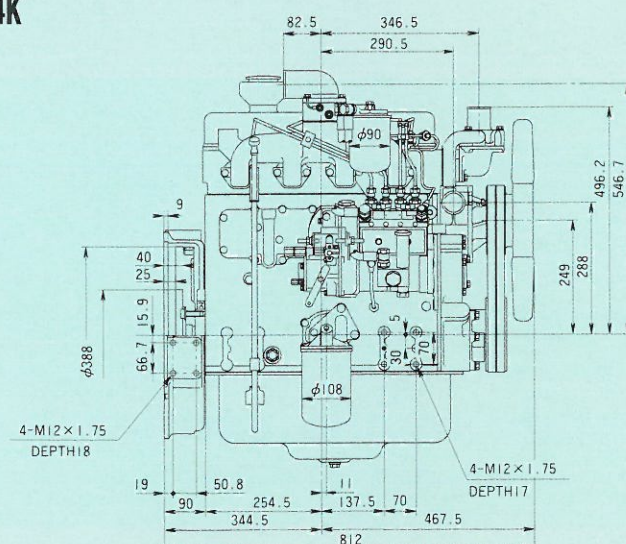


S6K-T

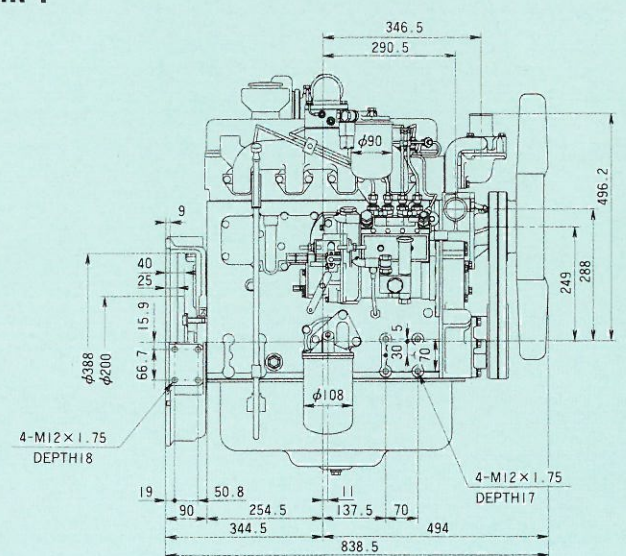


General dimensional drawing

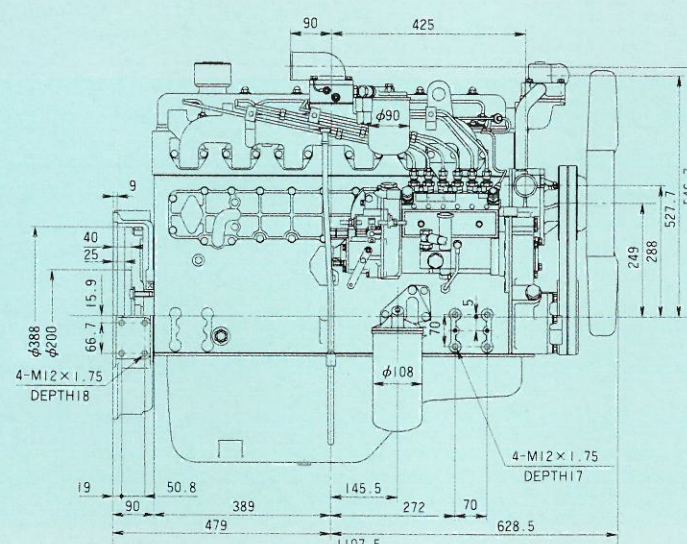
S4K



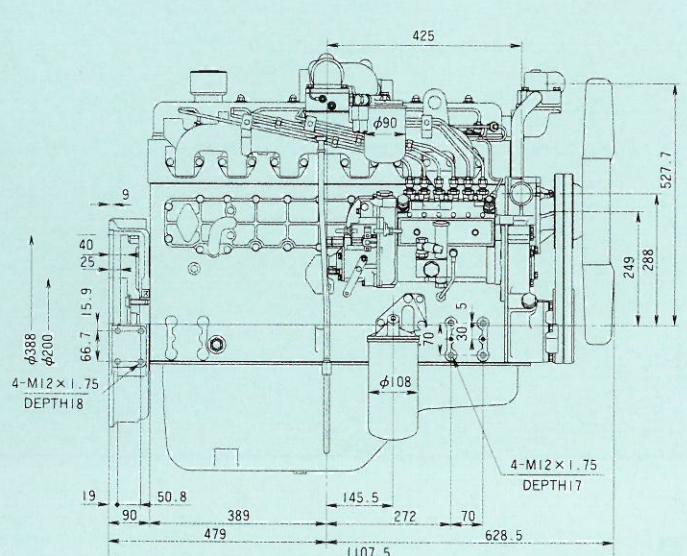
S4K-T



S6K



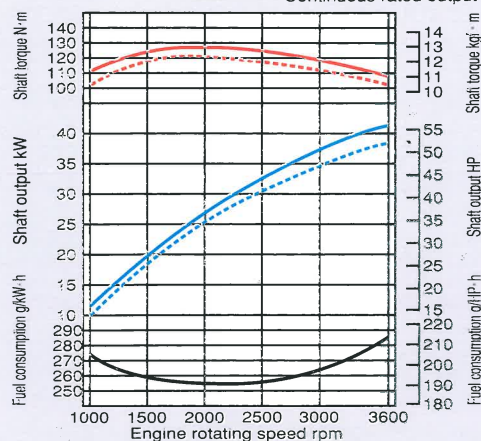
S6K-T



Performance curve

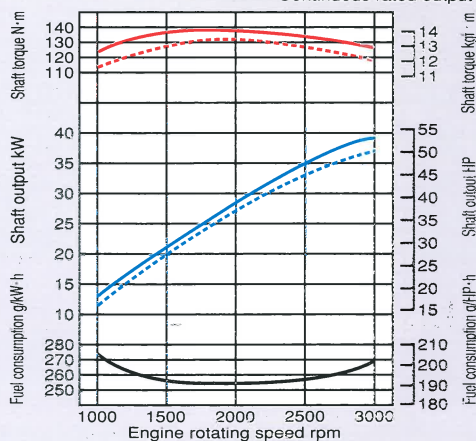
SAE J1349 with standard fan
 — One hour rated output
 - - - Continuous rated output

S4Q



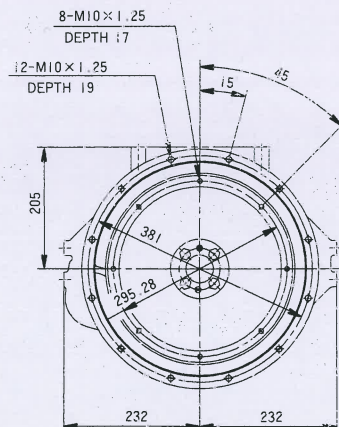
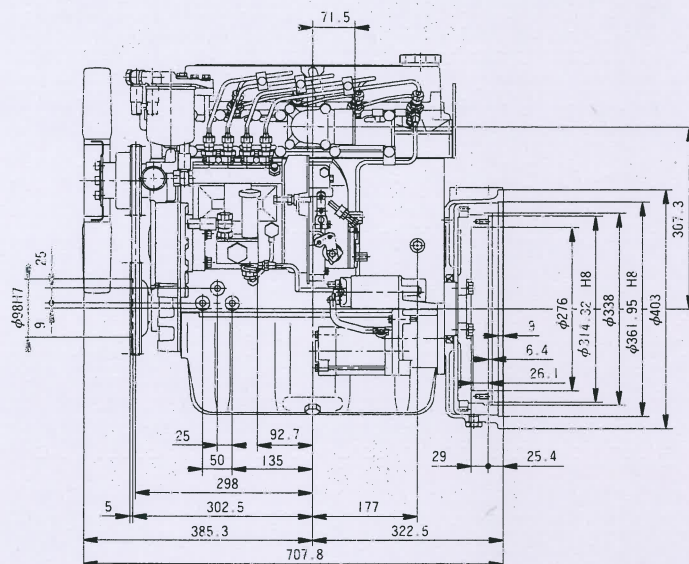
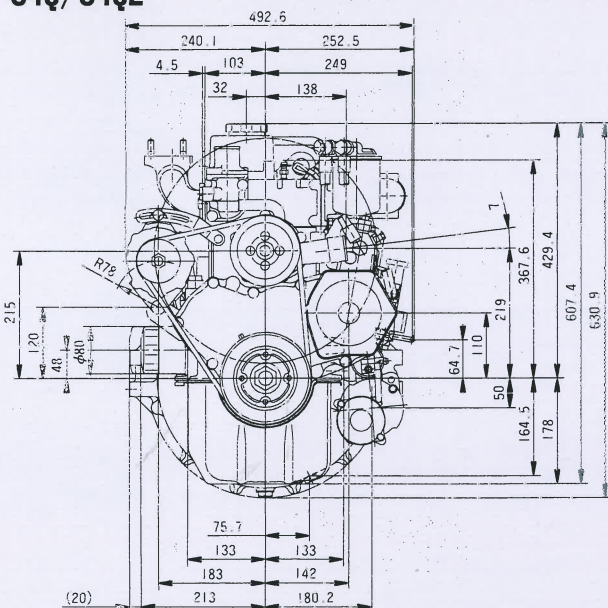
S4Q2

SAE J1349 with standard fan
 — One hour rated output
 - - - Continuous rated output



General dimensional drawing

S4Q/S4Q2



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