

HYUNDAI

DM01



INDUSTRIAL

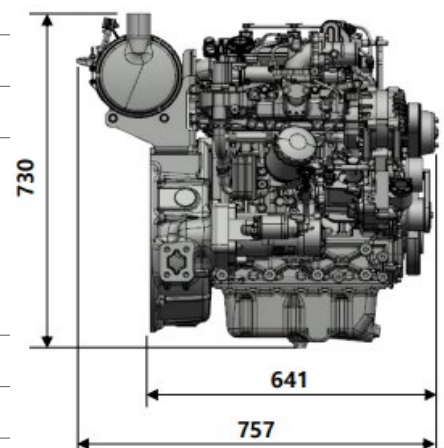
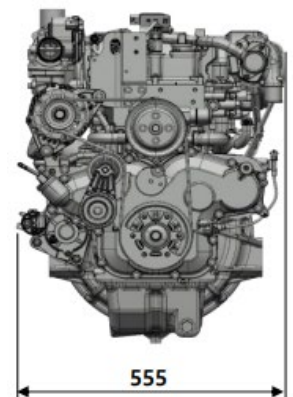
Power Rating

Max. Power kW (HP) / rpm	Max. Torque Nm (lb-ft) / rpm	After Treatment System
45.0(60.4) / 2600	225(22.9) / 1800	DOC+DPF
41.0(55.0) / 2500 41.0(55.0) / 2200	190(19.4) / 1600	
36.7(49.2) / 2500	180(18.4) / 1600	
31.3(42.0) / 2200	155(15.8) / 1600	
24.6(33.0) / 2400	110(11.2) / 1600	



Engine Specifications

Engine Model	DM01
Cylinders and Arrangement	In-line type, 3-cylinder
Valve System Type	Over head valve
Bore x Stroke	90 x 94 mm
Displacement	1.8 liter
Compression Ratio	17 : 1
Rotation	Counterclockwise viewed from Flywheel
Firing Order	1-2-3
Fuel System	Common rail Direct injection controlled by ECU
Aspiration	Turbo charger & Intercooler
After Treatment System	DOC + DPF
Water Flow	100 liter/min @ 2600 rpm (60HP) 97 liter/min @ 2500 rpm (55HP) 97 liter/min @ 2500 rpm (49.2HP) 85 liter/min @ 2200 rpm (42HP) 93 liter/min @ 2400 rpm (33HP)
Cooling Method	Fresh water forced circulation
Dimension (L x W x H)	757 x 555 x 730 mm
Dry Weight	206 kg (with After Treatment)



Key Features and Benefit

Compact

Designed to be mounted on a wide variety of small-sized equipment

Economical

Meet customers' expectation about reliability, quality and efficiency

High Performance

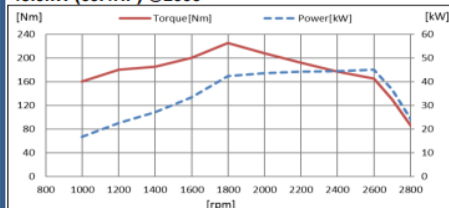
A high output and a high/low torque and keep working well even in harsh conditions

Convenient

Compact size, flexible post-treatment system, and handiness in mounting

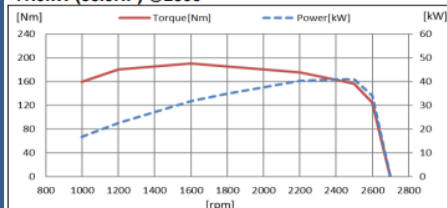
Performance Curve

45.0kW (60.4HP) @ 2600



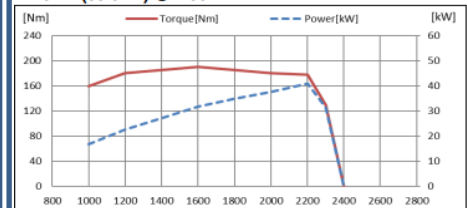
speed	Power			Torque		
	kW	PS	HP	Nm	kgm	
1000	16.8	22.8	22.5	160.0	16.3	
1200	22.6	30.8	30.3	180.0	18.4	
1400	27.1	36.9	36.4	185.0	18.9	
1600	33.5	45.6	44.9	200.0	20.4	
1800	42.4	57.7	56.9	225.0	22.9	
2000	43.6	59.2	58.4	208.0	21.2	
2200	44.2	60.1	59.3	192.0	19.6	
2400	44.5	60.5	59.7	177.0	18.0	
2600	45.0	61.2	60.4	165.3	16.9	
2700	36.8	50.0	49.3	130.0	13.3	

41.0kW (55.0HP) @ 2500



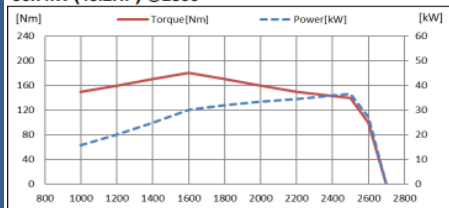
speed	Power			Torque		
	kW	PS	HP	Nm	kgm	
1000	16.8	22.8	22.5	160.0	16.3	
1200	22.6	30.8	30.3	180.0	18.4	
1400	27.1	36.9	36.4	185.0	18.9	
1600	31.8	43.3	42.7	190.0	19.4	
1800	34.9	47.4	46.8	185.0	18.9	
2000	37.7	51.3	50.6	180.0	18.4	
2200	40.3	54.8	54.1	175.0	17.8	
2400	41.0	55.7	54.9	163.0	16.6	
2500	41.0	55.7	55.0	156.6	16.0	
2600	34.0	46.3	45.6	125.0	12.7	

41.0kW (55.0HP) @ 2200



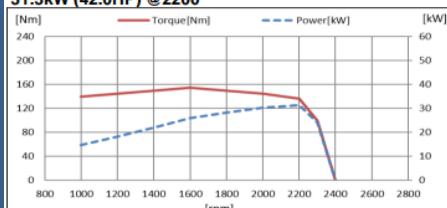
speed	Power			Torque		
	kW	PS	HP	Nm	kgm	
1000	16.8	22.8	22.5	160.0	16.3	
1200	22.6	30.8	30.3	180.0	18.4	
1400	27.1	36.9	36.4	185.0	18.9	
1600	31.8	43.3	42.7	190.0	19.4	
1800	34.9	47.4	46.8	185.0	18.9	
2000	37.7	51.3	50.6	180.0	18.4	
2200	41.0	55.8	55.0	178.0	18.2	
2300	31.3	42.6	42.0	130.0	13.3	

36.7kW (49.2HP) @ 2500



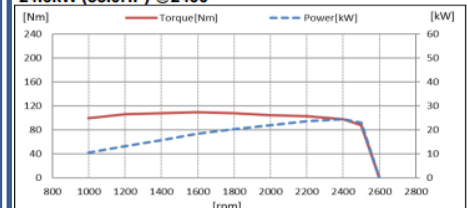
speed	Power			Torque		
	kW	PS	HP	Nm	kgm	
1000	15.7	21.4	21.1	150.0	15.3	
1200	20.1	27.3	27.0	160.0	16.3	
1400	24.9	33.9	33.4	170.0	17.3	
1600	30.2	41.0	40.4	180.0	18.4	
1800	32.0	43.6	43.0	170.0	17.3	
2000	33.5	45.6	44.9	160.0	16.3	
2200	34.6	47.0	46.3	150.0	15.3	
2400	35.9	48.9	48.2	143.0	14.6	
2500	36.7	49.8	49.2	140.0	14.3	
2600	27.2	37.0	36.5	100.0	10.2	

31.3kW (42.0HP) @ 2200



speed	Power			Torque		
	kW	PS	HP	Nm	kgm	
1000	14.7	19.9	19.7	140.0	14.3	
1200	18.2	24.8	24.4	145.0	14.8	
1400	22.0	29.9	29.5	150.0	15.3	
1600	26.0	35.3	34.8	155.0	15.8	
1800	28.3	38.4	37.9	150.0	15.3	
2000	30.4	41.3	40.7	145.0	14.8	
2200	31.3	42.6	42.0	136.0	13.9	
2300	24.1	32.7	32.3	100.0	10.2	

24.6kW (33.0HP) @ 2400



speed	Power			Torque		
	kW	PS	HP	Nm	kgm	
1000	10.5	14.2	14.0	100.0	10.2	
1200	13.3	18.1	17.9	106.0	10.8	
1400	15.8	21.5	21.2	108.0	11.0	
1600	18.4	25.1	24.7	110.0	11.2	
1800	20.4	27.7	27.3	108.0	11.0	
2000	22.0	29.9	29.5	105.0	10.7	
2200	23.7	32.3	31.8	103.0	10.5	
2400	24.6	33.5	33.0	97.9	10.0	
2500	23.1	31.4	31.0	88.2	9.0	

※ Specifications are subject to change without prior notice.

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