

HYUNDAI

DM03 SCR



INDUSTRIAL

Power Rating

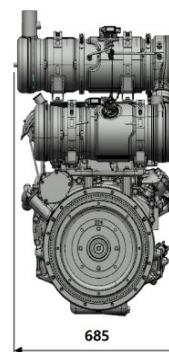
Max. Power kW (HP) / rpm	Max. Torque Nm (lb-ft) / rpm	After Treatment System
100.7 (135.1) / 2600	500 (368.9) / 1400	DOC+SDPF+SCR (No EGR)
85.8 (115.0) / 2600	445 (328.4) / 1600	
77.9 (105.0) / 2600	407 (300.2) / 1600	
71.6 (96.0) / 2600	372 (274.1) / 1600	



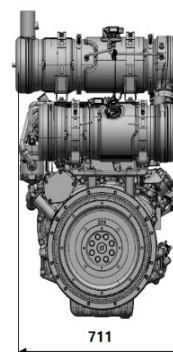
Engine Specifications

Engine Model	DM03
Cylinders and Arrangement	In-line type, 4-cylinder
Valve System Type	Over head valve
Bore x Stroke	98 x 113 mm
Displacement	3.4 liter
Compression Ratio	18 : 1
Rotation	Counterclockwise viewed from Flywheel
Firing Order	1-3-4-2
Fuel System	Common rail Direct injection controlled by ECU
Aspiration	Turbo charger & Intercooler
After Treatment System	DOC + SDPF + SCR
Water Flow	137 liter/min @ 2600 rpm (135HP) 137 liter/min @ 2600 rpm (115HP) 137 liter/min @ 2600 rpm (105HP) 137 liter/min @ 2600 rpm (115HP)
Cooling Method	Fresh water forced circulation
Dimension (L x W x H)	937 x 685 x 1,129 mm (up to 115HP) 937 x 711 x 1,140 mm (135HP)
Dry Weight	450 kg (with After Treatment)

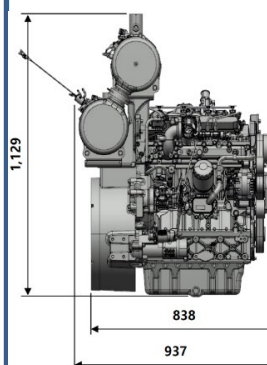
Up to 115HP



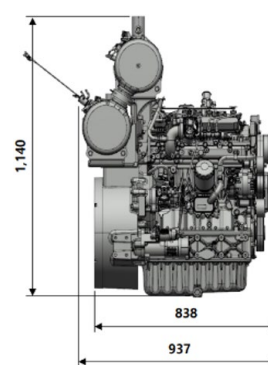
135HP



Up to 115HP



135HP



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

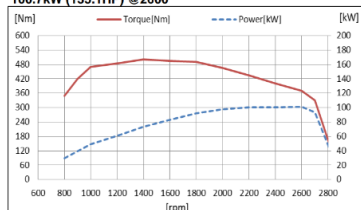
A high output and a high/low torque and keep working well even in harsh conditions

Convenient

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

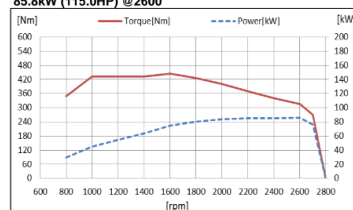
Performance Curve

100.7kW (135.1HP) @2600



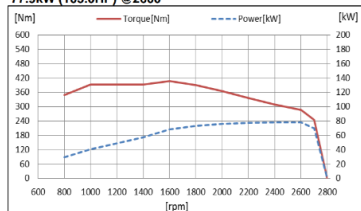
speed	Power			Torque	
	kW	PS	HP	Nm	kgm
800	29.3	39.9	39.3	350	35.7
1000	49.2	66.9	66.0	470	47.9
1200	60.9	82.9	81.7	485	49.5
1400	73.3	99.7	98.3	500	51.0
1600	82.9	112.8	111.2	495	50.5
1800	92.4	125.6	123.9	490	50.0
2000	97.4	132.4	130.6	465	47.4
2200	100.2	136.3	134.4	435	44.4
2400	100.5	136.7	134.8	400	40.8
2600	100.7	137.0	135.1	370	37.7
2700	93.3	126.9	125.1	330	33.7

85.8kW (115.0HP) @2600



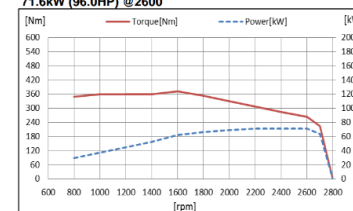
speed	Power			Torque	
	kW	PS	HP	Nm	kgm
800	29.3	39.9	39.3	350.0	35.7
1000	45.2	61.5	60.7	432.0	44.1
1200	54.3	73.8	72.8	432.0	44.1
1400	63.3	86.1	84.9	432.0	44.1
1600	74.6	101.4	100.0	445.0	45.4
1800	80.3	109.2	107.7	426.0	43.4
2000	84.0	114.2	112.6	401.0	40.9
2200	85.2	115.9	114.3	370.0	37.7
2400	85.5	116.2	114.6	340.0	34.7
2600	85.8	116.6	115.0	315.0	32.1
2700	78.3	103.8	102.4	270.0	27.5

77.9kW (105.0HP) @2600



speed	Power			Torque	
	kW	PS	HP	Nm	kgm
800	29.3	39.9	39.3	350.0	35.7
1000	41.1	55.8	55.0	392.0	40.0
1200	49.3	67.0	66.1	392.0	40.0
1400	57.5	78.1	77.1	392.0	40.0
1600	68.2	92.7	91.4	407.0	41.5
1800	73.5	99.9	98.6	390.0	39.8
2000	76.4	103.9	102.5	365.0	37.2
2200	77.6	105.6	104.1	337.0	34.4
2400	77.9	105.9	104.5	310.0	31.6
2600	78.3	106.4	105.0	287.5	29.3
2700	69.6	94.6	93.3	246.0	25.1

71.6kW (96.0HP) @2600



speed	Power			Torque	
	kW	PS	HP	Nm	kgm
800	29.3	39.9	39.3	350.0	35.7
1000	37.6	51.1	50.4	359.0	36.6
1200	45.1	61.3	60.5	359.0	36.6
1400	52.6	71.6	70.6	359.0	36.6
1600	62.3	84.7	83.6	372.0	37.9
1800	66.7	90.7	89.5	354.0	36.1
2000	69.3	94.3	93.0	331.0	33.8
2200	71.0	96.5	95.2	308.0	31.4
2400	71.4	97.0	95.7	284.0	29.0
2600	71.6	97.4	96.0	263.0	26.8
2700	63.6	86.5	85.3	225.0	22.9

※ Specifications are subject to change without prior notice.