

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

**IT IS ORDERED AND RESOLVED:** That the following compression-ignition engines and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2004	4HZXL3.43V41	1.72, 2.57	Diesel	5000
<b>SPECIAL FEATURES &amp; EMISSION CONTROL SYSTEMS</b>			<b>TYPICAL EQUIPMENT APPLICATION</b>	
Direct Diesel Injection			Compressor, Pump, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kW-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):


RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kW-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
19 ≤ kW < 37	Tier 2	<b>STD</b>	N/A	N/A	7.5	5.5	0.60	20	15	50
		<b>CERT</b>	--	--	6.5	2.7	0.23	1	2	3

**BE IT FURTHER RESOLVED:** That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

**This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.**

Executed at El Monte, California on this 6<sup>TH</sup> day of May 2004.

  
 Allen Lyons, Chief  
 Mobile Source Operations Division

Model Year: 2004  
 Manufacturer: Motorenfabrik Hatz GmbH & Co. KG  
 Engine Family: 4HZXL3.43V41

Issued:  
 Revised: 3/17/2004  
 E.O. Number: U-R-034-0052

### Small Off-Road Engine Model Summary Form

Units for Table: hp

Worst Case?	47. Model Designation	48. Sales Code	49. Displ (cc)	50. Bore/ Stroke	51. Ignition Timing	52. Max Power	53. Rated Speed (RPM)	54. Rated Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
	For model	information,	1716	look	in the	enclosed	4HZXL343	V41.xls	excel file.	EM <b>DDI</b>
	The worst	case engine	1716	marked in	red bold	capital	letters!!!			

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**2M41**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

ENGINE MODE	RATED POWER		TORQUE		RATED SPEED		FUEL RATE			TORQUE			TORQUE SPEED			FUEL RATE AT MAX. TORQUE		
	[kW]	[hp]	[Nm]	[lbf]	[rpm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[KG/h]		
2M41	28.8	38.6	92		3000		49.0	8.2	3.7	105	77	1800		48.5	4.9	2.2		
2M41	28.6	38.3	93		2950		49.0	8.1	3.7	105	77	1800		48.5	4.9	2.2		
2M41	28.4	38.1	94		2900		49.0	7.9	3.6	105	77	1800		48.5	4.9	2.2		
2M41	28.2	37.8	94		2850		49.0	7.8	3.5	105	77	1800		48.5	4.9	2.2		
2M41	28.0	37.5	95		2800		49.0	7.6	3.5	105	77	1800		48.5	4.9	2.2		
2M41	27.8	37.3	97		2750		49.5	7.6	3.4	105	77	1800		48.5	4.9	2.2		
2M41	27.5	36.9	97		2700		49.5	7.5	3.4	105	77	1800		48.5	4.9	2.2		
2M41	27.2	36.4	98		2650		49.5	7.3	3.3	105	77	1800		48.5	4.9	2.2		
2M41	27.0	36.2	99		2600		49.5	7.2	3.3	105	77	1800		48.5	4.9	2.2		
2M41	26.7	35.8	100		2550		49.5	7.0	3.2	106	78	1800		48.0	4.9	2.2		
2M41	26.4	35.4	101		2500		50.5	7.0	3.2	105	77	1500		49.5	4.1	1.9		
2M41	26.2	35.1	102		2450		50.5	6.9	3.1	105	77	1500		49.5	4.1	1.9		
2M41	25.9	34.7	103		2400		50.5	6.8	3.1	104	77	1500		49.0	4.1	1.9		
2M41	25.5	34.2	104		2350		50.5	6.6	3.0	104	77	1500		48.0	4.1	1.9		

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**2M41**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

ENGINE MODE	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE			TORQUE			TORQUE SPEED			FUEL RATE AT MAX. TORQUE		
	[kW]	[hp]	[Nm]	[lbf]	[rpm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[KG/h]		
2M41	27.7	37.1	88		3000		46.5	7.8	3.5	102	75	1800		46.5	4.7	2.1		
2M41	27.5	36.9	89		2950		46.5	7.6	3.5	102	75	1800		46.5	4.7	2.1		
2M41	27.4	36.7	90		2900		46.5	7.5	3.4	102	75	1800		46.5	4.7	2.1		
2M41	27.2	36.4	91		2850		46.5	7.4	3.4	102	75	1800		46.5	4.7	2.1		
2M41	27.1	36.3	92		2800		46.5	7.3	3.3	102	75	1800		46.5	4.7	2.1		
2M41	26.9	36.0	93		2750		47.0	7.2	3.3	101	74	1800		46.0	4.6	2.1		
2M41	26.7	35.8	94		2700		47.0	7.1	3.2	101	74	1800		46.0	4.6	2.1		
2M41	26.6	35.6	96		2650		47.0	6.9	3.2	101	74	1800		46.0	4.6	2.1		
2M41	26.4	35.4	97		2600		47.5	6.9	3.1	102	75	1800		46.5	4.7	2.1		
2M41	26.0	34.8	97		2550		47.5	6.8	3.1	102	75	1800		46.5	4.7	2.1		
2M41	25.6	34.3	98		2500		47.5	6.6	3.0	102	75	1800		46.5	4.7	2.1		
2M41	25.2	33.8	98		2450		47.5	6.5	2.9	102	75	1800		46.5	4.7	2.1		
2M41	24.9	33.4	99		2400		47.5	6.4	2.9	100	74	1500		46.5	3.9	1.8		
2M41	24.3	32.6	99		2350		47.5	6.2	2.8	100	74	1500		46.5	3.9	1.8		

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**2M41**  
**VARIABLE SPEED**

**4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE		TORQUE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[Nm]	[lbt]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	
2M41	26.3	35.2	84	3000	44.0	7.4	3.3	90	66	1800	42.0	4.2	1.9	
2M41	26.1	35.0	84	2950	44.0	7.2	3.3	90	66	1800	42.0	4.2	1.9	
2M41	26.0	34.8	86	2900	44.0	7.1	3.2	93	69	1800	43.0	4.3	2.0	
2M41	25.8	34.6	86	2850	44.0	7.0	3.2	93	69	1800	43.0	4.3	2.0	
2M41	25.7	34.4	88	2800	44.0	6.9	3.1	98	72	1800	44.5	4.5	2.0	
2M41	25.5	34.2	89	2750	44.5	6.8	3.1	96	71	1800	44.0	4.4	2.0	
2M41	25.3	33.9	89	2700	44.5	6.7	3.0	91	67	1800	42.5	4.3	1.9	
2M41	25.2	33.8	91	2650	44.5	6.6	3.0	91	67	1800	42.5	4.3	1.9	
2M41	25.0	33.5	92	2600	45.0	6.5	3.0	95	70	1500	43.5	3.6	1.7	
2M41	24.7	33.1	92	2550	45.0	6.4	2.9	95	70	1500	43.5	3.6	1.7	
2M41	24.3	32.6	93	2500	46.0	6.4	2.9	97	72	1500	44.5	3.7	1.7	
2M41	23.9	32.0	93	2450	46.0	6.3	2.9	97	72	1500	44.5	3.7	1.7	
2M41	23.6	31.6	94	2400	46.0	6.2	2.8	96	71	1500	44.0	3.7	1.7	
2M41	23.0	30.8	93	2350	46.0	6.0	2.7	96	71	1500	44.0	3.7	1.7	
2M41	25.4	34.0	105	2300	51.0	6.5	3.0	105	77	2300	51.0	6.5	3.0	
2M41	24.9	33.4	106	2250	51.0	6.4	2.9	106	78	2250	51.0	6.4	2.9	
2M41	24.4	32.7	106	2200	51.0	6.3	2.8	106	78	2200	51.0	6.3	2.8	
2M41	23.9	32.0	106	2150	51.0	6.1	2.8	106	78	2150	51.0	6.1	2.8	
2M41	23.4	31.4	106	2100	51.0	6.0	2.7	106	78	2100	51.0	6.0	2.7	
2M41	22.9	30.7	107	2050	51.0	5.8	2.6	107	79	2050	51.0	5.8	2.6	
2M41	22.4	30.0	107	2000	51.0	5.7	2.6	107	79	2000	51.0	5.7	2.6	
2M41	21.9	29.3	107	1950	49.5	5.4	2.4	107	79	1950	49.5	5.4	2.4	
2M41	21.3	28.5	107	1900	49.5	5.2	2.4	107	79	1900	49.5	5.2	2.4	
2M41	20.8	27.9	107	1850	49.5	5.1	2.3	107	79	1850	49.5	5.1	2.3	
2M41	20.2	27.1	107	1800	48.5	5.0	2.3	107	79	1800	48.5	5.0	2.3	

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**2M41**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE [Nm]	ENGINE SPEED [rpm]	FUEL RATE		TORQUE		TORQUE SPI [rpm]	FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]			[mm <sup>3</sup> /H]	[lbs/hr]	[Nm]	[lbf-ft]		[mm <sup>3</sup> /H]	[lbs/hr]
2M41	23.7	31.8	75	3000	40.0	6.7	89	66	1500	40.5	3.4
2M41	23.5	31.5	76	2950	40.0	6.6	89	66	1500	40.5	3.4
2M41	23.4	31.4	77	2900	40.0	6.5	88	65	1500	40.0	3.3
2M41	23.2	31.1	78	2850	40.0	6.4	88	65	1500	40.0	3.3
2M41	23.1	31.0	79	2800	40.0	6.2	88	65	1800	44.0	4.4
2M41	23.0	30.8	80	2750	40.5	6.2	88	65	1500	40.0	3.3
2M41	22.8	30.6	81	2700	40.5	6.1	88	65	1500	40.0	3.3
2M41	22.7	30.4	82	2650	40.5	6.0	88	65	1500	40.0	3.3
2M41	22.5	30.2	83	2600	40.5	5.9	88	65	1500	40.0	3.3
2M41	22.2	29.7	83	2550	40.5	5.8	88	65	1500	40.0	3.3
2M41	21.9	29.3	84	2500	41.0	5.7	88	65	1500	40.0	3.3
2M41	21.5	28.8	84	2450	41.0	5.6	88	65	1500	40.0	3.3
2M41	21.2	28.4	84	2400	41.0	5.5	88	65	1500	40.0	3.3
2M41	20.7	27.7	84	2350	41.0	5.4	93	69	1500	42.5	3.6
2M41	22.9	30.7	95	2300	47.0	6.0	100	74	1500	48.5	3.9

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**2M41Z**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE [Nm]	RATED SPEED [rpm]	FUEL RATE		TORQUE		TORQUE SPEED [rpm]	FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]			[mm <sup>3</sup> /H]	[lbs/hr]	[Nm]	[lbf-ft]		[mm <sup>3</sup> /H]	[lbs/hr]
2M41Z	28.1	37.7	89	3000	49.0	8.2	103	76	1800	48.5	4.9
2M41Z	27.9	37.4	90	2950	49.0	8.1	103	76	1800	48.5	4.9
2M41Z	27.7	37.1	91	2900	49.0	7.9	103	76	1800	48.5	4.9
2M41Z	27.5	36.9	92	2850	49.0	7.8	103	76	1800	48.5	4.9
2M41Z	27.3	36.6	93	2800	49.0	7.6	103	76	1800	48.5	4.9
2M41Z	27.1	36.3	94	2750	49.5	7.6	103	76	1800	48.5	4.9
2M41Z	26.8	35.9	95	2700	49.5	7.5	103	76	1800	48.5	4.9
2M41Z	26.5	35.5	95	2650	49.5	7.3	103	76	1800	48.5	4.9
2M41Z	26.3	35.2	97	2600	49.5	7.2	103	76	1800	48.5	4.9
2M41Z	26.0	34.8	97	2550	49.5	7.0	104	77	1800	49.0	4.9
2M41Z	25.8	34.6	99	2500	50.5	7.0	103	76	1500	49.5	4.1
2M41Z	25.6	34.3	100	2450	50.5	6.9	103	76	1500	49.5	4.1
2M41Z	25.3	33.9	101	2400	50.5	6.8	102	75	1500	49.0	4.1
2M41Z	24.9	33.4	101	2350	50.5	6.6	102	75	1500	49.0	4.1

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ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE				TORQUE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]		[rpm]		[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]		[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
2M41Z	27.0	36.2	86		3000		46.5	7.8	3.5	100	74	1800		46.5	4.7	2.1
2M41Z	26.8	35.9	87		2950		46.5	7.6	3.5	100	74	1800		46.5	4.7	2.1
2M41Z	26.7	35.8	88		2900		46.5	7.5	3.4	100	74	1800		46.5	4.7	2.1
2M41Z	26.5	35.5	89		2850		46.5	7.4	3.4	100	74	1800		46.5	4.7	2.1
2M41Z	26.4	35.4	90		2800		46.5	7.3	3.3	100	74	1800		46.5	4.7	2.1
2M41Z	26.2	35.1	91		2750		47.0	7.2	3.3	99	73	1800		46.0	4.6	2.1
2M41Z	26.0	34.8	92		2700		47.0	7.1	3.2	99	73	1800		46.0	4.6	2.1
2M41Z	25.9	34.7	93		2650		47.0	6.9	3.2	99	73	1800		46.0	4.6	2.1
2M41Z	25.7	34.4	94		2600		47.5	6.9	3.1	100	74	1800		46.5	4.7	2.1
2M41Z	25.3	33.9	95		2550		47.5	6.8	3.1	100	74	1800		46.5	4.7	2.1
2M41Z	25.0	33.5	95		2500		47.5	6.6	3.0	100	74	1800		46.5	4.7	2.1
2M41Z	24.6	33.0	96		2450		47.5	6.5	2.8	100	74	1800		46.5	4.7	2.1
2M41Z	24.3	32.6	97		2400		47.5	6.4	2.9	98	72	1500		46.5	3.9	1.8
2M41Z	23.7	31.8	96		2350		47.5	6.2	2.8	98	72	1500		46.5	3.9	1.8

4HZXL3.43V41

VARIABLE SPEED

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**2M41Z**  
**VARIABLE SPEED**

**4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE				TORQUE			TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[lb-ft]	[rpm]	[mm <sup>3</sup> /hr]	[lb/hr]	[kg/hr]	[Nm]	[lb-ft]	[rpm]	[mm <sup>3</sup> /hr]	[lb/hr]	[kg/hr]	[rpm]	[mm <sup>3</sup> /hr]	[lb/hr]
2M41Z	25.6	34.3	81	60	3000	44.0	7.4	3.3	88	65	1800	42.0	4.2	1.9	1800	42.0	4.2
2M41Z	25.4	34.0	82	60	2950	44.0	7.2	3.3	88	65	1800	42.0	4.2	1.9	1800	42.0	4.2
2M41Z	25.3	33.9	83	60	2900	44.0	7.1	3.2	91	67	1800	43.0	4.3	2.0	1800	43.0	4.3
2M41Z	25.1	33.6	84	60	2850	44.0	7.0	3.2	91	67	1800	43.0	4.3	2.0	1800	43.0	4.3
2M41Z	25.0	33.5	85	60	2800	44.0	6.9	3.1	94	69	1800	44.0	4.4	2.0	1800	44.0	4.4
2M41Z	24.8	33.2	86	60	2750	44.5	6.8	3.1	84	69	1800	44.0	4.4	2.0	1800	44.0	4.4
2M41Z	24.6	33.0	87	60	2700	44.5	6.7	3.0	89	66	1800	42.5	4.3	1.9	1800	42.5	4.3
2M41Z	24.5	32.8	88	60	2650	44.5	6.6	3.0	89	66	1800	42.5	4.3	1.9	1800	42.5	4.3
2M41Z	24.3	32.6	89	60	2600	45.0	6.5	3.0	93	69	1500	43.5	3.6	1.7	1500	43.5	3.6
2M41Z	24.0	32.2	90	60	2550	45.0	6.4	2.9	93	69	1500	43.5	3.6	1.7	1500	43.5	3.6
2M41Z	23.7	31.8	91	60	2500	46.0	6.4	2.9	95	70	1500	44.5	3.7	1.7	1500	44.5	3.7
2M41Z	23.3	31.2	91	60	2450	46.0	6.3	2.9	95	70	1500	44.5	3.7	1.7	1500	44.5	3.7
2M41Z	23.0	30.8	92	60	2400	46.0	6.2	2.8	94	69	1500	44.0	3.7	1.7	1500	44.0	3.7
2M41Z	22.4	30.0	91	60	2350	46.0	6.0	2.7	94	69	1500	44.0	3.7	1.7	1500	44.0	3.7
2M41Z	24.8	33.2	103	76	2300	61.0	6.5	3.0	103	76	2300	61.0	6.5	3.0	2300	61.0	6.5
2M41Z	24.3	32.6	103	76	2250	51.0	6.4	2.9	103	76	2250	51.0	6.4	2.9	2250	51.0	6.4
2M41Z	23.8	31.9	103	76	2200	51.0	6.3	2.8	103	76	2200	51.0	6.3	2.8	2200	51.0	6.3
2M41Z	23.3	31.2	103	76	2150	51.0	6.1	2.8	103	76	2150	51.0	6.1	2.8	2150	51.0	6.1
2M41Z	22.8	30.6	104	77	2100	51.0	6.0	2.7	104	77	2100	51.0	6.0	2.7	2100	51.0	6.0
2M41Z	22.3	29.9	104	77	2050	51.0	5.8	2.6	104	77	2050	51.0	5.8	2.6	2050	51.0	5.8
2M41Z	21.8	29.2	104	77	2000	51.0	5.7	2.6	104	77	2000	51.0	5.7	2.6	2000	51.0	5.7
2M41Z	21.3	28.5	104	77	1950	49.5	5.4	2.4	104	77	1950	49.5	5.4	2.4	1950	49.5	5.4
2M41Z	20.8	27.9	105	77	1900	49.5	5.2	2.4	105	77	1900	49.5	5.2	2.4	1900	49.5	5.2
2M41Z	20.2	27.1	104	77	1850	49.5	5.1	2.3	104	77	1850	49.5	5.1	2.3	1850	49.5	5.1
2M41Z	19.6	26.3	104	77	1800	49.5	5.0	2.3	104	77	1800	49.5	5.0	2.3	1800	49.5	5.0

worst case engine.

The 2M41Z engine has more frictional power losses caused by the balancer shafts with the same fuel quantity than the 2M41 at the same rated speed (this engine is without balancer shafts). This is the worst case engine we tested for the EPA engine family because emissions are divided by less power (g/kWh) at the same fuel quantity specifications.

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**2M41Z (Variable Speed) (ICFN)**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

ENGINE MOI	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE		TORQUE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	
2M41Z	23.0	30.8	73	3000	40.0	6.7	3.0	87	64	1500	40.5	3.4	1.5	
2M41Z	22.8	30.6	74	2950	40.0	6.6	3.0	87	64	1500	40.5	3.4	1.5	
2M41Z	22.7	30.4	75	2900	40.0	6.5	2.9	86	63	1500	40.0	3.3	1.5	
2M41Z	22.5	30.2	75	2850	40.0	6.4	2.9	86	63	1500	40.0	3.3	1.5	
2M41Z	22.4	30.0	76	2800	40.0	6.2	2.8	86	63	1500	40.0	3.3	1.5	
2M41Z	22.3	29.9	77	2750	40.5	6.2	2.8	86	63	1500	40.0	3.3	1.5	
2M41Z	22.1	29.6	78	2700	40.5	6.1	2.8	86	63	1500	40.0	3.3	1.5	
2M41Z	22.0	29.5	79	2650	40.5	6.0	2.7	86	63	1500	40.0	3.3	1.5	
2M41Z	21.8	29.2	80	2600	40.5	5.9	2.7	86	63	1500	40.0	3.3	1.5	
2M41Z	21.5	28.8	81	2550	40.5	5.8	2.6	86	63	1500	40.0	3.3	1.5	
2M41Z	21.3	28.5	81	2500	41.0	5.7	2.6	86	63	1500	40.0	3.3	1.5	
2M41Z	20.9	28.0	81	2450	41.0	5.6	2.5	86	63	1500	40.0	3.3	1.5	
2M41Z	20.6	27.6	82	2400	41.0	5.5	2.5	86	63	1500	40.0	3.3	1.5	
2M41Z	20.1	26.9	82	2350	41.0	5.4	2.4	81	67	1500	42.5	3.6	1.6	
2M41Z	22.3	29.8	93	2300	47.0	6.0	2.7	98	72	1500	46.5	3.9	1.8	

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**2L41C (Variable Speed) (ICFN)**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

ENGINE MOI	RATED POWER		TORQUE		RATED SPEED		FUEL RATE		TORQUE		TORQUE SPEED		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	
2L41C	27.7	37.1	88	3000	47.0	7.9	3.6	98	72	1800	47.5	4.8	2.2	
2L41C	27.5	36.9	89	2950	47.0	7.7	3.7	98	72	1800	47.5	4.8	2.2	
2L41C	27.3	36.6	90	2900	47.0	7.6	3.6	98	72	1800	47.5	4.8	2.2	
2L41C	27.1	36.3	91	2850	47.0	7.5	3.5	96	71	1800	47.0	4.7	2.1	
2L41C	26.9	36.0	92	2800	47.0	7.3	3.5	95	70	1800	46.5	4.7	2.1	
2L41C	26.7	35.8	93	2750	47.5	7.3	3.4	96	71	1800	47.0	4.7	2.1	
2L41C	26.5	35.5	94	2700	47.5	7.1	3.4	96	71	1800	47.0	4.7	2.1	
2L41C	26.2	35.1	94	2650	47.5	7.0	3.3	96	71	1800	47.0	4.7	2.1	
2L41C	25.9	34.7	95	2600	47.5	6.8	3.3	95	70	1800	46.5	4.7	2.1	
2L41C	25.7	34.4	96	2550	47.5	6.8	3.2	96	71	1800	47.0	4.7	2.1	
2L41C	25.4	34.0	97	2500	48.0	6.7	3.2	97	72	1500	47.5	4.0	1.8	
2L41C	24.9	33.4	97	2450	48.0	6.6	3.1	97	72	1500	47.5	4.0	1.8	
2L41C	25.0	33.5	99	2400	49.0	6.6	3.0	99	73	2400	49.0	6.6	3.0	
2L41C	23.7	31.8	98	2350	48.0	6.3	3.0	96	71	2350	48.0	6.3	2.9	

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ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE		TORQUE		TORQUE SPI		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
2L41C	25.7	34.4	82		3000	45.0	7.5	3.4	93	69	1800	45.5	4.6	2.1
2L41C	25.6	34.3	83		2950	45.0	7.4	3.7	93	69	1800	45.5	4.6	2.1
2L41C	25.4	34.0	84		2900	45.0	7.3	3.6	93	69	1800	45.5	4.6	2.1
2L41C	25.3	33.9	85		2850	45.0	7.1	3.5	92	68	1800	45.0	4.5	2.0
2L41C	25.1	33.6	86		2800	45.0	7.0	3.5	92	68	1800	45.0	4.5	2.0
2L41C	25.0	33.5	87		2750	45.5	7.0	3.4	92	68	1800	45.0	4.5	2.0
2L41C	24.8	33.2	88		2700	45.5	6.8	3.4	92	68	1800	45.0	4.5	2.0
2L41C	24.7	33.1	89		2650	45.5	6.7	3.3	92	68	1800	45.0	4.5	2.0
2L41C	24.5	32.8	90		2600	46.0	6.7	3.3	92	68	1800	45.0	4.5	2.0
2L41C	24.2	32.4	91		2550	46.0	6.5	3.2	93	69	1800	45.5	4.6	2.1
2L41C	23.8	31.9	91		2500	46.5	6.5	3.2	96	71	1500	47.0	3.9	1.8
2L41C	23.4	31.4	91		2450	46.5	6.4	3.1	94	69	1500	46.0	3.8	1.7
2L41C	23.1	31.0	92		2400	46.5	6.2	3.0	94	69	1500	46.0	3.8	1.7
2L41C	22.5	30.2	91		2350	46.5	6.1	3.0	94	69	1500	46.0	3.8	1.7

**2L41C** (4-11-2024) (4-11-2024) (4-11-2024)  
**VARIABLE SPEED**  
**4HZXL3.43V41**

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**2L41C Variable Speed Engine**  
**4HZXL3.43V41**

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ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		TORQUE		TORQUE SP		FUEL RATE		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[kg/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[kg/h]	[lbs/hr]
2L41C	24.4	32.7	74	3150	42.5	7.5	3.4	88	65	1800	43.0	4.3	2.0	
2L41C	24.4	32.7	78	3000	42.5	7.1	3.2	88	65	1800	43.0	4.3	2.0	
2L41C	24.3	32.6	79	2950	42.5	7.0	3.2	88	65	1800	43.0	4.3	2.0	
2L41C	24.1	32.3	79	2900	42.5	6.8	3.1	88	65	1800	43.0	4.3	2.0	
2L41C	24.0	32.2	80	2850	42.5	6.8	3.1	86	63	1800	42.0	4.2	1.9	
2L41C	23.8	31.9	81	2800	42.5	6.6	3.0	86	63	1800	42.0	4.2	1.9	
2L41C	23.7	31.8	82	2750	43.0	6.6	3.0	87	64	1500	43.0	3.6	1.6	
2L41C	23.5	31.5	83	2700	43.0	6.5	2.9	88	65	1800	43.0	4.3	2.0	
2L41C	23.4	31.4	84	2650	43.0	6.4	2.9	88	65	1800	43.0	4.3	2.0	
2L41C	23.2	31.1	85	2600	43.5	6.3	2.9	88	65	1800	43.0	4.3	2.0	
2L41C	22.9	30.7	86	2550	43.5	6.2	2.8	88	65	1500	43.0	3.6	1.6	
2L41C	22.5	30.2	86	2500	43.5	6.1	2.8	87	64	1500	43.0	3.6	1.6	
2L41C	22.2	29.7	87	2450	43.5	5.9	2.7	88	65	1500	43.5	3.6	1.7	
2L41C	21.8	29.2	87	2400	43.5	5.8	2.6	87	64	1500	43.0	3.6	1.6	
2L41C	21.3	28.5	87	2350	43.5	5.7	2.6	89	66	1500	44.0	3.7	1.7	
2L41C	23.5	31.5	98	2300	49.0	6.3	2.9	98	72	2300	49.0	6.3	2.9	
2L41C	23.1	31.0	98	2250	49.0	6.1	2.8	98	72	2250	49.0	6.1	2.8	
2L41C	22.6	30.3	98	2200	49.0	6.0	2.7	98	72	2200	49.0	6.0	2.7	
2L41C	22.2	29.7	99	2150	49.0	5.9	2.7	99	73	2150	49.0	5.9	2.7	
2L41C	21.8	29.2	99	2100	49.0	5.7	2.6	99	73	2100	49.0	5.7	2.6	
2L41C	21.3	28.5	99	2050	49.0	5.6	2.5	99	73	2050	49.0	5.6	2.5	
2L41C	20.9	28.0	100	2000	49.0	5.5	2.5	100	74	2000	49.0	5.5	2.5	
2L41C	20.4	27.3	100	1950	48.0	5.2	2.4	100	74	1950	48.0	5.2	2.4	
2L41C	19.8	26.5	100	1900	48.0	5.1	2.3	100	74	1900	48.0	5.1	2.3	
2L41C	19.3	25.9	100	1850	48.0	5.0	2.2	100	74	1850	48.0	5.0	2.2	
2L41C	18.7	25.1	99	1800	48.0	4.8	2.2	99	73	1800	48.0	4.8	2.2	

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**2L41C** VARIABLE SPEED  
**4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE			TORQUE		TORQUE SP			FUEL RATE AT MAX. TORQUE		
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
2L41C	22.0	29.5	70	3000	38.5	6.4	2.9	85	63	1800	41.0	4.1	1.9				
2L41C	21.8	29.2	71	2950	38.5	6.3	2.9	85	63	1800	41.0	4.1	1.9				
2L41C	21.7	29.1	71	2900	38.5	6.2	2.8	85	63	1800	41.0	4.1	1.9				
2L41C	21.6	28.9	72	2850	38.5	6.1	2.8	80	59	1800	38.0	3.8	1.7				
2L41C	21.5	28.8	73	2800	38.5	6.0	2.7	80	59	1800	38.0	3.8	1.7				
2L41C	21.3	28.5	74	2750	38.5	5.9	2.7	82	60	1800	39.0	3.9	1.8				
2L41C	21.2	28.4	75	2700	38.5	5.8	2.6	82	60	1800	39.0	3.9	1.8				
2L41C	21.0	28.1	78	2650	38.5	5.7	2.6	82	60	1800	39.0	3.9	1.8				
2L41C	20.9	28.0	77	2600	39.0	5.7	2.6	83	61	1800	40.0	4.0	1.8				
2L41C	20.6	27.6	77	2550	39.0	5.5	2.5	81	60	1500	40.0	3.3	1.5				
2L41C	20.3	27.2	78	2500	39.0	5.4	2.5	81	60	1500	40.0	3.3	1.5				
2L41C	19.9	26.7	78	2450	39.0	5.3	2.4	81	60	1500	40.0	3.3	1.5				
2L41C	19.6	26.3	78	2400	39.0	5.2	2.4	81	60	1500	40.0	3.3	1.5				
2L41C	19.2	25.7	78	2350	39.0	5.1	2.3	81	60	1500	40.0	3.3	1.5				
2L41C	21.2	28.4	88	2300	44.0	5.8	2.6	88	65	1500	43.5	3.6	1.7				

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**3M41** VARIABLE SPEED  
**4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE			TORQUE		TORQUE SP			FUEL RATE AT MAX. TORQUE		
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
3M41	36.9	49.4	141	2500	46.0	6.4	2.9	148	109	1500	44.5	3.7	1.7				
3M41	36.4	48.8	142	2450	46.0	6.3	2.9	148	109	1500	44.5	3.7	1.7				
3M41	36.0	48.2	143	2400	46.0	6.2	2.8	147	108	1500	44.0	3.7	1.7				
3M41	35.2	47.2	143	2350	46.0	6.0	2.7	147	108	1500	44.0	3.7	1.7				
3M41	36.7	49.2	163	2150	51.0	6.1	2.8	163	120	2150	51.0	6.1	2.8				
3M41	36.0	48.2	164	2100	51.0	6.0	2.7	164	121	2100	51.0	6.0	2.7				
3M41	35.2	47.2	164	2050	51.0	5.8	2.6	164	121	2050	51.0	6.0	2.7				
3M41	34.5	46.2	165	2000	51.0	5.7	2.6	165	122	2000	51.0	5.7	2.6				
3M41	33.7	45.2	165	1950	49.0	5.3	2.4	165	122	1950	49.0	5.3	2.4				
3M41	32.8	44.0	165	1900	49.0	5.2	2.4	165	122	1900	49.0	5.2	2.4				
3M41	32.0	42.9	165	1850	49.0	5.1	2.3	165	122	1850	49.0	5.1	2.3				
3M41	31.1	41.7	165	1800	49.0	4.9	2.2	165	122	1800	49.0	4.9	2.2				

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**3M41**  
**VARIABLE SPEED**  
**4HZXL3.43V41**

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ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE			TORQUE			TORQUE SP.			FUEL RATE AT MAX. TORQUE		
	[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	
3M41	35.8	48.0	114	3000	40.0	6.7	3.0	133	98	1500	40.5	3.4	1.5	1500	40.5	3.4	1.5	
3M41	35.6	47.7	115	2950	40.0	6.6	3.0	133	98	1500	40.5	3.4	1.5	1500	40.5	3.4	1.5	
3M41	35.4	47.4	117	2900	40.0	6.5	2.9	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	35.2	47.2	118	2850	40.0	6.4	2.9	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	35.0	46.9	119	2800	40.0	6.2	2.8	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	34.7	46.5	120	2750	40.5	6.2	2.8	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	34.5	46.2	122	2700	40.5	6.1	2.8	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	34.3	46.0	124	2650	40.5	6.0	2.7	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	34.0	45.6	125	2600	40.5	5.9	2.7	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	33.6	45.0	126	2550	40.5	5.8	2.6	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	33.2	44.5	127	2500	41.0	5.7	2.6	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	32.8	44.0	128	2450	41.0	5.6	2.5	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	32.4	43.4	129	2400	41.0	5.5	2.5	132	97	1500	40.0	3.3	1.5	1500	40.0	3.3	1.5	
3M41	31.7	42.5	129	2350	41.0	5.4	2.4	139	103	1500	42.5	3.6	1.6	1500	42.5	3.6	1.6	
3M41	35.0	46.9	145	2300	47.0	6.0	2.7	153	113	1500	46.5	3.9	1.8	1500	46.5	3.9	1.8	

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ENGINE MOI		RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE		TORQUE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
3M41Z		[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[Nm]	[lbft]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[mm <sup>3</sup> /h]
3M41Z	36.5	48.9	48.8	148	2350	48.0	6.3	2.9	155	114	1800	47.5	4.8	2.2	

**4HZXL3.43V41**

**3M41Z**  
**VARIABLE SPEED**

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ENGINE MOI		RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE		TORQUE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
3M41Z		[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[Nm]	[lbft]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	
3M41Z	36.4	48.8	48.5	136	2550	45.0	6.4	2.9	142	105	1500	43.5	3.6	1.7	
3M41Z	36.2	48.5	47.8	138	2500	46.0	6.4	2.9	146	108	1500	44.5	3.7	1.7	
3M41Z	35.7	47.8	47.3	139	2450	46.0	6.3	2.9	146	108	1500	44.5	3.7	1.7	
3M41Z	35.3	47.3	46.2	140	2400	46.0	6.2	2.8	145	107	1500	44.0	3.7	1.7	
3M41Z	34.5	46.2	49.2	140	2350	46.0	6.0	2.7	145	107	1500	44.0	3.7	1.7	
3M41Z	36.7	49.2	48.2	159	2200	51.0	6.3	2.8	159	117	2200	51.0	6.3	2.8	
3M41Z	36.0	48.2	47.3	160	2150	51.0	6.1	2.8	160	118	2150	51.0	6.1	2.8	
3M41Z	35.3	47.3	46.2	161	2100	51.0	6.0	2.7	161	119	2100	51.0	6.0	2.7	
3M41Z	34.5	46.2	45.3	161	2050	51.0	5.8	2.6	161	119	2050	51.0	5.8	2.6	
3M41Z	33.8	45.3	44.2	162	2000	51.0	5.7	2.6	161	119	2000	51.0	5.7	2.6	
3M41Z	33.0	44.2	43.0	162	1950	49.0	5.3	2.4	162	119	1950	49.0	5.3	2.4	
3M41Z	32.1	43.0	42.5	164	1900	49.0	5.2	2.4	161	119	1900	49.0	5.2	2.4	
3M41Z	31.7	42.5	41.1	164	1850	49.0	5.1	2.3	164	121	1850	49.0	5.1	2.3	
3M41Z	30.7	41.1	40.2	163	1800	49.0	4.9	2.2	163	120	1800	49.0	4.9	2.2	

**4HZXL3.43V41**

**3M41Z**  
**VARIABLE SPEED**

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U-R-024-085

**3M41Z (3M41Z) VARIABLE SPEED  
4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		TORQUE		FUEL RATE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[lbf]	[rpm]	[kg/h]	[Nm]	[lbf]	[mm <sup>3</sup> /H]	[lbs/hr]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
3M41Z	35.0	46.9	111		3000	3.0	131	97	40.0	6.7	1500	40.5	3.4	1.5
3M41Z	34.8	46.6	113		2950	3.0	131	97	40.0	6.6	1500	40.5	3.4	1.5
3M41Z	34.6	46.4	114		2900	2.9	130	96	40.0	6.5	1500	40.0	3.3	1.5
3M41Z	34.4	46.1	115		2850	2.9	130	96	40.0	6.4	1500	40.0	3.3	1.5
3M41Z	34.2	45.8	117		2800	2.8	130	96	40.0	6.2	1500	40.0	3.3	1.5
3M41Z	33.9	45.4	118		2750	2.8	130	96	40.5	6.2	1500	40.0	3.3	1.5
3M41Z	33.7	45.2	119		2700	2.8	130	96	40.5	6.1	1500	40.0	3.3	1.5
3M41Z	33.5	44.9	121		2650	2.7	130	96	40.5	6.0	1500	40.0	3.3	1.5
3M41Z	33.2	44.5	122		2600	2.7	130	96	40.5	5.9	1500	40.0	3.3	1.5
3M41Z	32.8	44.0	123		2550	2.6	130	96	40.5	5.8	1500	40.0	3.3	1.5
3M41Z	32.5	43.6	124		2500	2.6	130	96	41.0	5.7	1500	40.0	3.3	1.5
3M41Z	32.1	43.0	125		2450	2.5	130	96	41.0	5.6	1500	40.0	3.3	1.5
3M41Z	31.7	42.5	126		2400	2.5	130	96	41.0	5.5	1500	40.0	3.3	1.5
3M41Z	31.0	41.5	126		2350	2.4	137	101	41.0	5.4	1500	42.5	3.6	1.6
3M41Z	34.3	46.0	142		2300	2.7	151	111	47.0	6.0	1500	46.5	3.9	1.8

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**3L41C (3L41C) VARIABLE SPEED  
4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		TORQUE		FUEL RATE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[lbf]	[rpm]	[kg/h]	[Nm]	[lbf]	[mm <sup>3</sup> /H]	[lbs/hr]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
3L41C	36.2	48.5	147		2350	2.9	158	117	48.0	6.3	1800	48.5	4.9	2.2

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**3L41C (3L41C) VARIABLE SPEED  
4HZXL3.43V41**

ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		TORQUE		FUEL RATE		TORQUE SP		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[lbf]	[rpm]	[kg/h]	[Nm]	[lbf]	[mm <sup>3</sup> /H]	[lbs/hr]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
3L41C	36.6	49.0	137		2550	3.0	140	103	46.0	6.5	1800	45.5	4.6	2.1
3L41C	36.1	48.4	138		2500	2.9	147	108	46.5	6.4	1500	47.0	3.9	1.8
3L41C	35.6	47.7	139		2450	2.9	143	105	46.5	6.4	1500	46.0	3.8	1.7
3L41C	35.1	47.0	140		2400	2.8	143	105	46.5	6.2	1500	46.0	3.8	1.7
3L41C	34.4	46.1	140		2350	2.8	146	108	46.5	6.1	1800	47.0	4.7	2.1

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**3L41C** (1200 cc, 6000 RPM, 11000 ft-lb (15000 N·m))  
**VARIABLE SPEED**

**4HZXL3.43V41**

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ENGINE MOD	RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE		TORQUE		TORQUE SPI		FUEL RATE AT MAX. TORQUE	
	[kW]	[hp]	[Nm]	[lbf·ft]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]	[Nm]	[lbf·ft]	[rpm]	[mm <sup>3</sup> /H]	[lbs/hr]	[KG/h]
3L41C	36.7	49.2	111	81.5	3150	42.5	7.5	3.4	132	97	1800	43.0	4.3	2.0
3L41C	36.7	49.2	117	85.5	3000	42.5	7.1	3.2	132	97	1800	43.0	4.3	2.0
3L41C	36.5	48.9	118	86.5	2950	42.5	7.0	3.2	132	97	1800	43.0	4.3	2.0
3L41C	36.3	48.6	120	87.5	2900	42.5	6.9	3.1	132	97	1800	43.0	4.3	2.0
3L41C	36.2	48.5	121	88.0	2850	42.5	6.8	3.1	129	95	1800	42.0	4.2	1.9
3L41C	36.0	48.2	123	89.0	2800	42.5	6.6	3.0	129	95	1800	42.0	4.2	1.9
3L41C	35.8	48.0	124	90.0	2750	43.0	6.6	3.0	133	98	1500	43.0	3.6	1.6
3L41C	35.6	47.7	126	91.5	2700	43.0	6.5	2.9	132	97	1800	43.0	4.3	2.0
3L41C	35.4	47.4	128	93.0	2650	43.0	6.4	2.9	132	97	1800	43.0	4.3	2.0
3L41C	35.2	47.2	129	94.0	2600	43.5	6.3	2.9	132	97	1800	43.0	4.3	2.0
3L41C	34.7	46.5	130	95.5	2550	43.5	6.2	2.8	133	98	1500	43.0	3.6	1.6
3L41C	34.2	45.8	131	97.0	2500	43.5	6.1	2.8	133	98	1500	43.0	3.6	1.6
3L41C	33.7	45.2	131	98.5	2450	43.5	5.9	2.7	133	98	1500	43.0	3.6	1.6
3L41C	33.3	44.6	132	100.0	2400	43.5	5.8	2.6	135	100	1500	43.5	3.6	1.7
3L41C	32.5	43.6	132	101.5	2350	43.5	5.7	2.6	150	111	1500	47.0	3.9	1.8
3L41C	35.9	48.1	149	109.0	2300	49.0	6.3	2.9	149	110	2300	49.0	6.3	2.9
3L41C	35.1	47.0	149	109.5	2250	49.0	6.1	2.8	149	110	2250	49.0	6.1	2.8
3L41C	34.3	46.0	149	110.0	2200	49.0	6.0	2.7	149	110	2200	49.0	6.0	2.7
3L41C	33.6	45.0	149	110.5	2150	49.0	5.9	2.7	149	110	2150	49.0	5.9	2.7
3L41C	32.8	44.0	149	111.0	2100	49.0	5.7	2.6	149	110	2100	49.0	5.7	2.6
3L41C	32.0	42.9	149	111.5	2050	49.0	5.6	2.5	149	110	2050	49.0	5.6	2.5
3L41C	31.2	41.8	149	112.0	2000	49.0	5.5	2.5	149	110	2000	49.0	5.5	2.5
3L41C	30.4	40.7	149	112.5	1950	48.0	5.2	2.4	149	110	1950	48.0	5.2	2.4
3L41C	29.6	39.7	149	113.0	1900	48.0	5.1	2.3	149	110	1900	48.0	5.1	2.3
3L41C	28.9	38.6	149	113.5	1850	48.0	5.0	2.2	149	110	1850	48.0	5.0	2.2
3L41C	28.0	37.5	149	114.0	1800	48.0	4.8	2.2	149	110	1800	48.0	4.8	2.2

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ENGINE MOD		RATED POWER		TORQUE		ENGINE SPEED		FUEL RATE			TORQUE		TORQUE SP		FUEL RATE AT MAX. TORQUE		
		[kW]	[hp]	[Nm]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[Nm]	[lbf]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]	[kg/h]	[rpm]	[mm <sup>3</sup> /h]	[lbs/hr]
3L41C		33.0	44.2	105	3000	38.5	6.4	2.9	127	94	1800	41.0	4.1	1.9	1800	41.0	4.1
3L41C		32.9	44.1	106	2950	38.5	6.3	2.9	127	94	1800	41.0	4.1	1.9	1800	41.0	4.1
3L41C		32.7	43.8	108	2900	38.5	6.2	2.8	127	94	1800	38.0	3.8	1.7	1800	38.0	3.8
3L41C		32.5	43.6	109	2850	38.5	6.1	2.8	119	88	1800	38.0	3.8	1.7	1800	38.0	3.8
3L41C		32.4	43.4	110	2800	38.5	6.0	2.7	119	88	1800	39.0	3.9	1.8	1800	39.0	3.9
3L41C		32.2	43.1	112	2750	38.5	5.9	2.7	122	90	1800	39.0	3.9	1.8	1800	39.0	3.9
3L41C		32.0	42.9	113	2700	38.5	5.8	2.6	122	90	1800	39.0	3.9	1.8	1800	39.0	3.9
3L41C		31.9	42.7	115	2650	38.5	5.7	2.6	122	90	1800	40.0	4.0	1.8	1800	40.0	4.0
3L41C		31.7	42.5	116	2600	39.0	5.7	2.6	124	91	1500	40.0	4.0	1.8	1500	40.0	4.0
3L41C		31.2	41.8	117	2550	39.0	5.5	2.5	124	91	1500	40.0	4.0	1.5	1500	40.0	4.0
3L41C		30.8	41.3	118	2500	39.0	5.4	2.5	124	91	1500	40.0	4.0	1.5	1500	40.0	4.0
3L41C		30.4	40.7	118	2450	39.0	5.3	2.4	124	91	1500	40.0	4.0	1.5	1500	40.0	4.0
3L41C		29.9	40.1	119	2400	39.0	5.2	2.4	124	91	1500	37.5	3.7	1.4	1500	37.5	3.7
3L41C		29.3	39.3	119	2350	39.0	5.1	2.3	120	88	2300	44.0	5.6	2.6	2300	44.0	5.6
3L41C		32.3	43.3	134	2300	44.0	5.6	2.6	134	99	2300	44.0	5.6	2.6	2300	44.0	5.6

**4HZXL3.43V41**

VARIABLE SPEED

31241C (OPTIONAL) (INDUSTRIAL)

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