

MITSUBISHI TRUCKS

CRANE CARRIER

Lifting Capacity 14t ~ 150t





GENUINE PARTS

• MITSUBISHI GENUINE PARTS KEEP YOUR VEHICLE AT ITS BEST FOR YEARS ON END.

Note: These specifications are subject to change without notice. Some of the equipment shown in these product illustrations is optional. Confer with your distributor to confirm the exact specifications and equipment available on your market.



MITSUBISHI
MOTORS CORPORATION
TOKYO, JAPAN

TC19 (5) JAN. 85 H Printed in Japan

Full range of models for every need

ONE SIDE CAB



K103L
14 t



K203BL
20 t



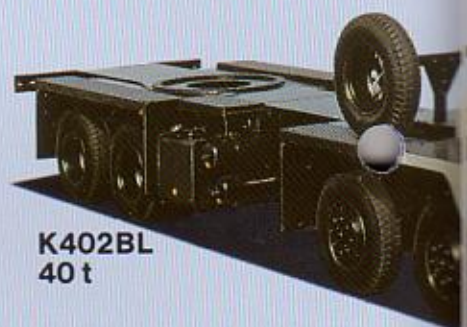
K203L
25 t



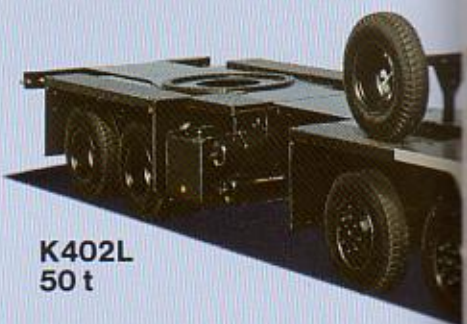
K203NZL
30 t



K303L
30 t





K402BL
40 t



K402L
50 t



K602L
70 t

MODEL	K103L	K203BL	K203L	K203NZL	K303L
LIFTING CAPACITY t	14	20	25	30	30
DRIVE SYSTEM	 4x2		 6x4		
WHEEL BASE mm	4,500	4,700	4,700	5,000	5,000
ENGINE MODEL	6D22-1A				
MAX. OUTPUT ps/rpm (JIS)	225/2,200				

LOW LINE CAB



K354L
40t



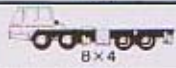
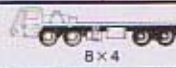
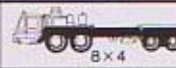
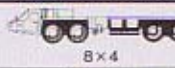
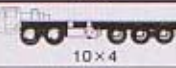
K503L
50t



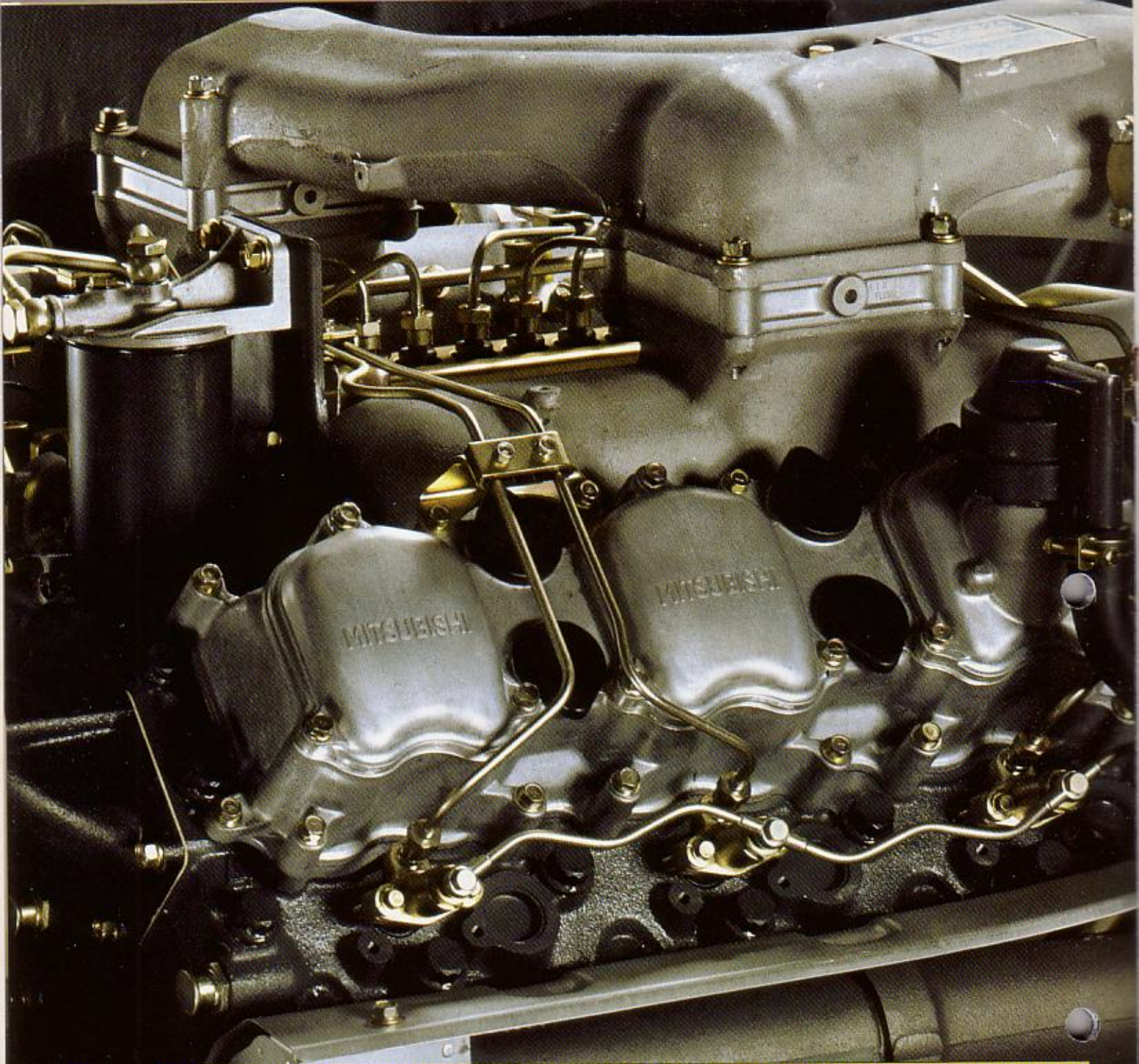
K1302L
150t



K1303L
80t

K402BL	K402L	K354L	K503L	K602L	K1302L	K1303L
40	50	40	50	70	150 (Lattice boom type)	80
 8x4		 8x4		 8x4	 8x4	 10x4
5,250	5,250	5,250	5,250	5,800	5,800	7,000
	80DC8-2A			8DC9-1A		8DC90A
	290/2,200			320/2,200		310/2,300

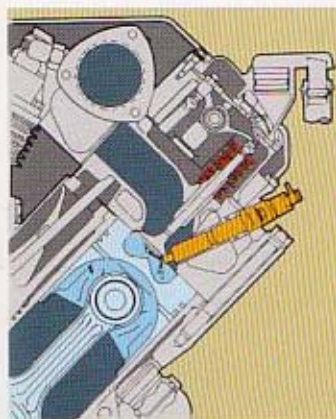
Right hand steering is available in all models. Hence, the last letter of each code for these models is "R" instead of "L."



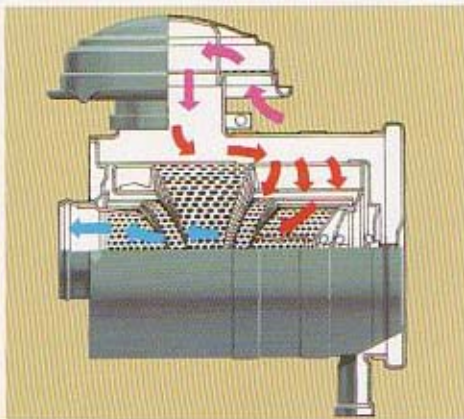
Engine Specifications and Usage

Engine	Used in all countries (except EC)			Used by countries in the EC			Carrier Model
		Max. output (ps/rpm: JIS/DIN) (hp/rpm: SAE, Gross)	Max. torque (kg·m/rpm)		Max. output (ps/rpm: JIS/DIN) (kW/rpm: EEC)	Max. torque (kg·m/rpm) (N·m/rpm: EEC)	
6D22-1A	JIS	225/2200	78/1400	JIS	—	—	K103L K203(B)L K203NZL
	DIN	215/2200	75/1400	DIN	—	—	
	SAE, Gross	215/2200	75/1400	EEC	158/2200	721/1400	
8DC8-2A	JIS	290/2200	100/1400	JIS	290/2300	99/1400	K303L K402(B)L K354L, K503L
	DIN	275/2200	96/1400	DIN	275/2300	95/1400	
	SAE, Gross	280/2200	96/1400	EEC	200/2300	912/1400	
8DC9-1A	JIS	320/2200	110/1400	—			K602L
	DIN	305/2200	106/1400				
	SAE, Gross	310/2200	106/1400				
8DC90A	JIS	310/2300	108/1400	—			K1302L K1303L
	DIN	298/2300	105/1400				
	SAE, Gross	304/2300	104/1400				

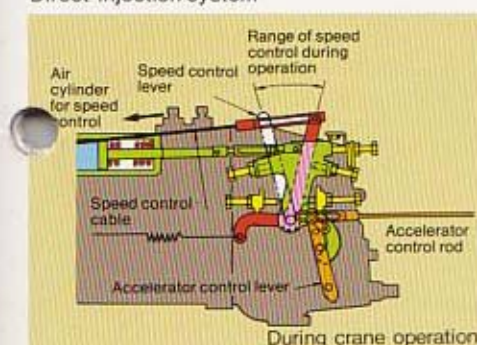
Powerful direct-injection diesels



Direct-injection system



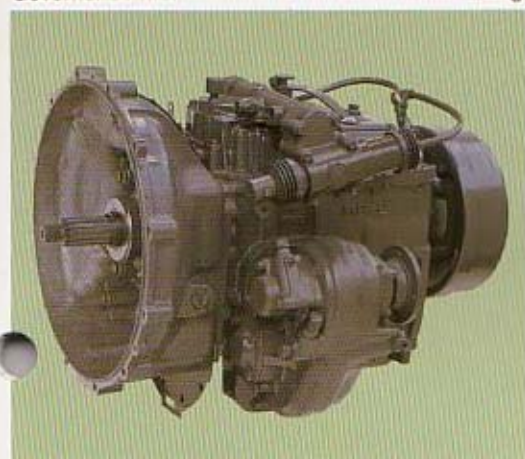
Air intake system



Governor control



Engine trouble alarm buzzer



Power shift transmission



P.T.O.

Comparison of Stable Driving Speeds
(K103L, K203BL, K203L, K303L)

Driving mode	Governor control	Engine rpm	Speed	Uses
Normal (1st gear)	Min/max governor (pedal acceleration)	1,200+	4.4km/h+	Travel over normal roads
Slow (1st gear + S.S. switch)	All-speed governor (no pedal acceleration)	1,000 (fixed)	3.7km/h+	Constant slow travel over uneven roads (emerging from offroad areas, etc.)
		600 (fixed)	2.2km/h+	Constant slow travel over flat roads (movements with lifting on rubber, etc.)

Mitsubishi direct-injection diesel engines are engineered to deliver optimum power and sufficient torque to meet all requirements during carrier travel or crane operation. Torque is supplied smoothly and stably throughout the entire rpm range.

All engines are built for superior durability and reliability. They are also exceptionally quiet and responsive, with an ideal model to match each type of crane. Outstanding operating economy is achieved both in terms of fuel efficiency and oil consumption.

Direct-injection system

All engines feature a direct fuel injection system including spiral intake ports, cylindrical swirl-type combustion chambers and multi-orifice injection nozzles. The result is superior combustion efficiency and remarkably high fuel economy.

Air intake system

For enhanced engine performance and a longer service life, a Donaldson-type double-element air cleaner (with rain cap) is featured on all engines to protect them from excessive dust.

Governor control

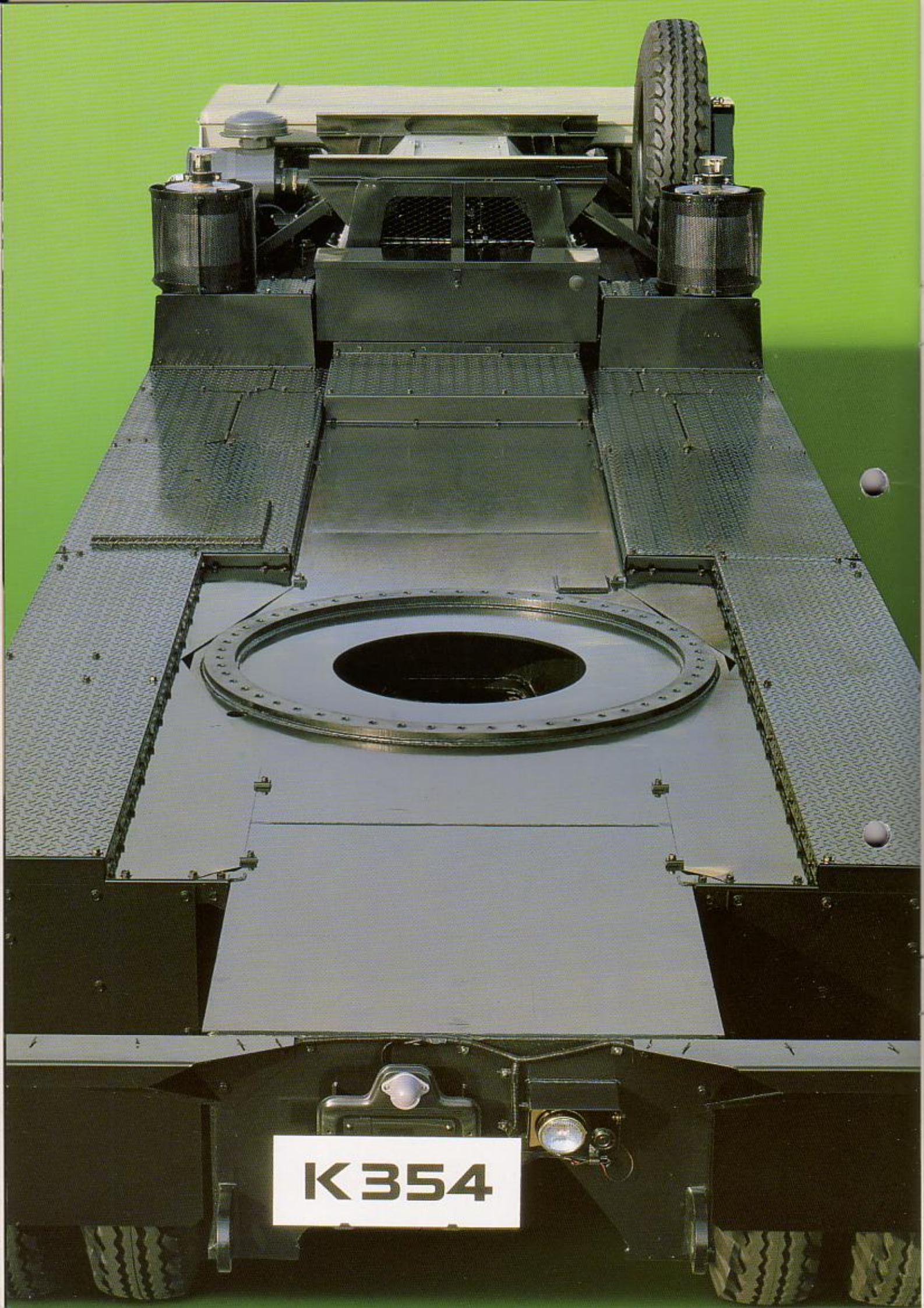
When the P.T.O. is turned on for crane operation, the governor control automatically switches to the all-speed setting to guarantee stable engine rpm. The all-speed governor is also automatically engaged when the super slow device is used.

Engine trouble alarm buzzer

The engine trouble alarm buzzer sounds to warn of engine trouble during crane operation. The buzzer is set off by any of the following conditions: engine overheating, clogged oil filter, drop in oil pressure, or drop in air pressure in the P.T.O. control system.

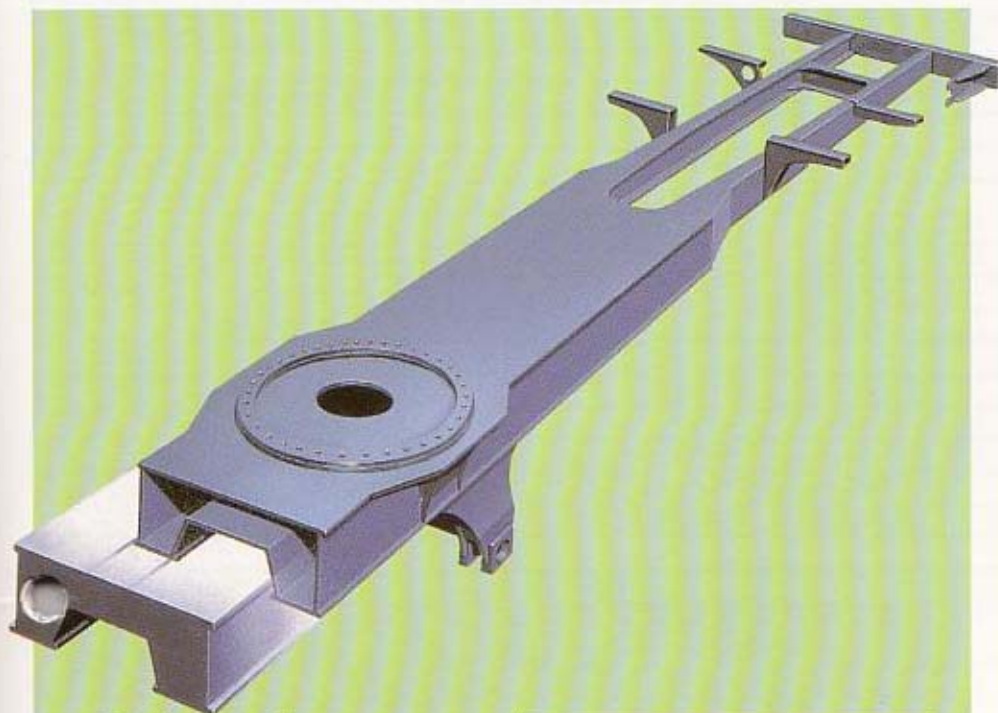
Power shift transmission

A power shift transmission system is provided to ease gear operations and thereby reduce driver's fatigue.



K354

Rugged box type chassis



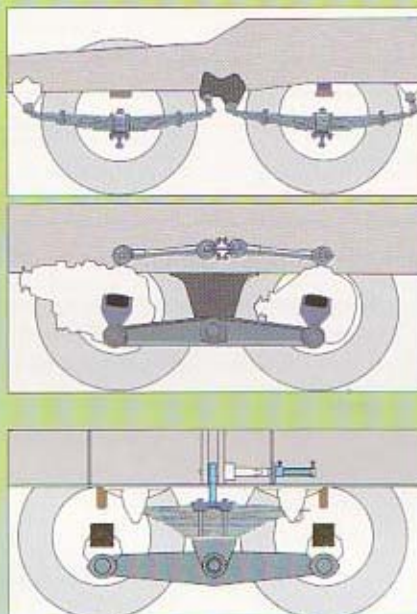
Front suspension

The front suspension system features rugged leaf springs to absorb road shocks encountered on rough terrains, resulting in remarkably smooth riding comfort.

Rear suspension

For enhanced stability, an equalizer beam and torque rods are featured on the rear suspension system to provide full traction even on rough road surfaces.

Leaf spring type rear suspension (Option)



Rear frame

A closed section box type chassis frame of exceptional strength has been adopted to withstand the harsh torsional and bending stresses produced during crane operation. The frame ensures stable operation, outstanding durability as well as superior ruggedness to cope with all types of shock.

Front frame and jack (option)

To accommodate operations where equal lifting capacity is required all around, the front frame can be equipped with an optional jack.

Brake system

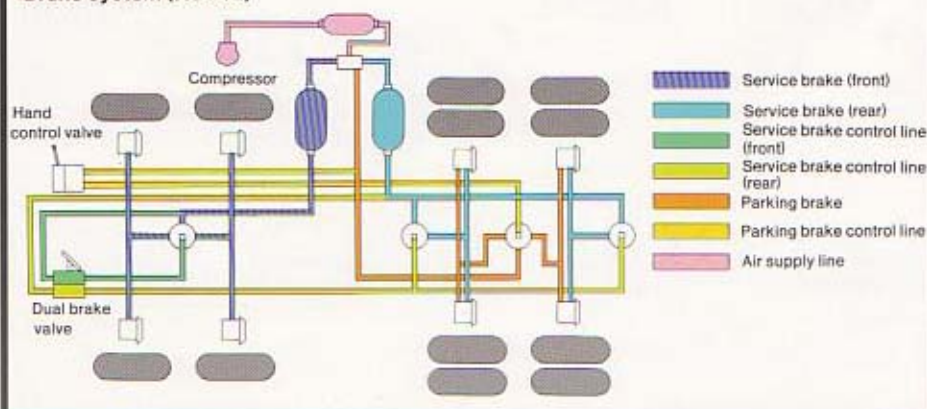
For failsafe braking power, dual-circuit braking systems have been adopted on all models. Two types of brake system are available: air and air-over-hydraulic. Both types provide full braking power with minimal pedal pressure.

The spring-loaded air brakes operate on the rear wheels only and serve as both a parking brake and as an auxiliary emergency brake in case of a drop in air tank pressure. They are standard on the K402(B)L, K354L and K503.

With air-over-hydraulic brakes, light pressure on the air brake activates the power-assisted oil brake. This system is standard on the K103L, K203(B)L and K303L.

Air brakes can also be equipped on the K103L, K203(B)L and K303L as an option.

Brake system (K354L)



Specifications

MODEL	K103L	K203BL
Type	One side cab offset to the left	
Drive system	4 × 2	6 × 4
Crew	2	
Lifting capacity	14t × 3m (Hydraulic type)	20t × 3m (Hydraulic type)

DIMENSIONS		mm	
Wheelbase		4,500	4,700
Overall length	(approx.)	8,325	9,260
Overall width	(approx.)	2,500	2,500
Overall height	(approx.)	2,350	2,415
Tread	front	2,050	2,050
	rear	1,845	1,845

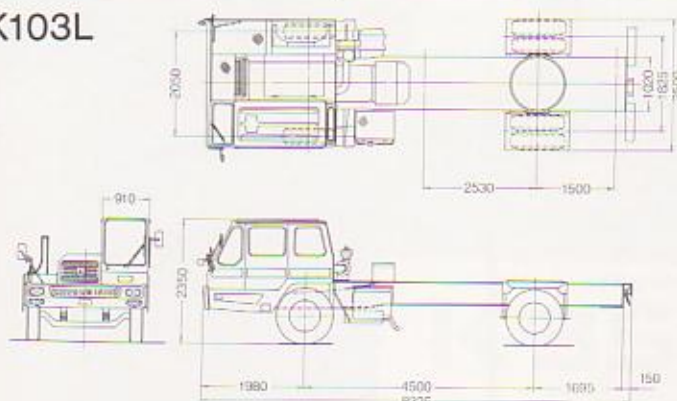
WEIGHTS		kg	
Carrier	weight (approx.)	6,610	8,450
	front (approx.)	4,090	4,000
	rear (approx.)	2,520	4,450
Rated axle load	front	6,000	6,000
	rear	13,500	19,000

ENGINE		
Model	6D22-1A, 4 cycle water cooled direct injection diesel engine	
Max. output	(JIS) PS/rpm	225/2,200
Max. torque	(JIS) kg-/rpm	78/1,400

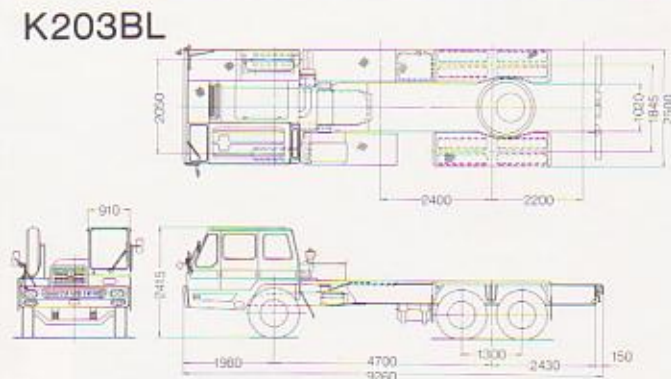
PERFORMANCE		
Max. speed	km/h	65
Min. speed	km/h	2.2 at 600rpm
Max. gradeability	(tan θ)%	(with G.V.W. 15,800kg) 46.5
		(with G.V.W. 20,000kg) 35.0
Min. turning radius	m	8.8
		9.5

CHASSIS		
Transmission	5 forward and 1 reverse Synchromesh (2nd~5th) and constantmesh (1st & Rev.) gears	
Ratio	7.868-4.537-2.709-1.555-1.000 Rev. 6.896	
Transfer	—	—
Ratio	—	—
Axle, front	Reverse Elliot "I" beam type	
Axle, rear	Full floating type	
Final reduction ratio	6.666	
Tyre size	10.00-20-14PR or 10.00-20-16PR	
Brake	2 circuit air brake, 4 wheels internal expanding	2 circuit air brake, or 2 circuit air-over hydraulic brake, 6 wheels internal expanding
Electrical system	24V (12V-120AH × 2)	
Fuel tank capacity	ℓ	200

K103L



K203BL



MODEL	K402L	K354L
Type	One side cab offset to the left	Low line cab
Drive system	8 × 4	
Crew	2	
Lifting capacity	50t × 3m (Hydraulic type)	40t × 3m (Hydraulic type)

DIMENSIONS mm

Wheelbase	5,250	5,250
Overall length (approx.)	10,785	11,150
Overall width (approx.)	2,750 (2,820)	2,500 (2,750)
Overall height (approx.)	2,480	2,150
Tread front	2,240	2,040
Tread rear	2,055	1,845

WEIGHTS kg

Carrier weight (approx.)	13,400	12,700
front (approx.)	7,240	7,200
rear (approx.)	6,160	5,500
Rated axle load front	17,000	13,000
rear	24,000	23,000

ENGINE

Model	8DC8-2A, 4 cycle water cooled direct injection diesel engine	
Max. output (JIS) PS/rpm	290/2,200	
Max. torque (JIS) kg-m/rpm	100/1,400	

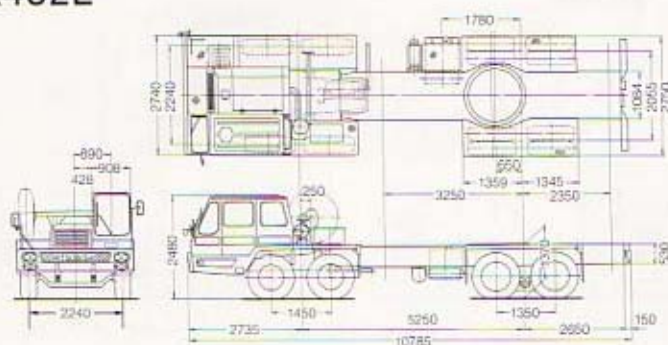
PERFORMANCE

Max. speed km/h	80	75
Min. speed km/h	1.8 at 600rpm	1.7 at 600rpm
Max. gradeability (tan θ)%	(with G.V.W. 39,600kg) 27.0	(with G.V.W. 36,000kg) 31.5
Min. turning radius m	11.5	11.5

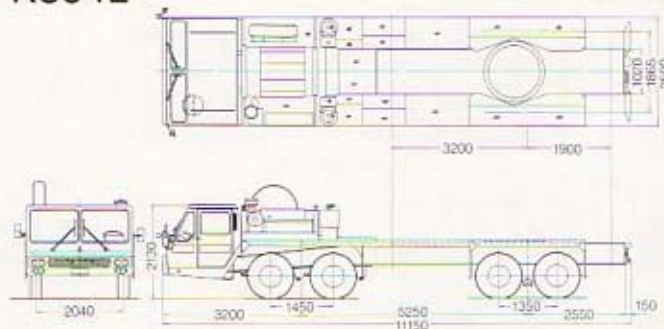
CHASSIS

Transmission	10 forward and 2 reverse, Synchromesh (3rd~10th) and constantmesh (1st, 2nd & Rev.) gears	
Ratio	9.153-7.098-4.783-3.709-2.765-2.144-1.666-1.292-1.000-0.775, Rev. 6.286(H), 8.105(L)	
Transfer Ratio	—	—
Axle, front	Reverse Elliot "I" beam type	
Axle, rear	Full floating type	
Final reduction ratio	7.500	
Tyre size	12.00-20-18PR	11.00-20-14PR or 11.00-20-16PR
Brake	2 circuit air brake, 8 wheels internal expanding	
Electrical system	24V (12V~140AH × 2)	
Fuel tank capacity ℓ	300	

K402L



K354L



MODEL	K303L	K402BL
Type	One side cab offset to the left	
Drive system	8 × 4	
Crew	2	
Lifting capacity	30t × 3.5m (Hydraulic type)	40t × 3m (Hydraulic type)

DIMENSIONS mm		
Wheelbase	5,000	5,250
Overall length (approx.)	10,255	10,635
Overall width (approx.)	2,500	2,750
Overall height (approx.)	2,415	2,390
Tread front	2,050	2,040
Tread rear	1,845	1,845

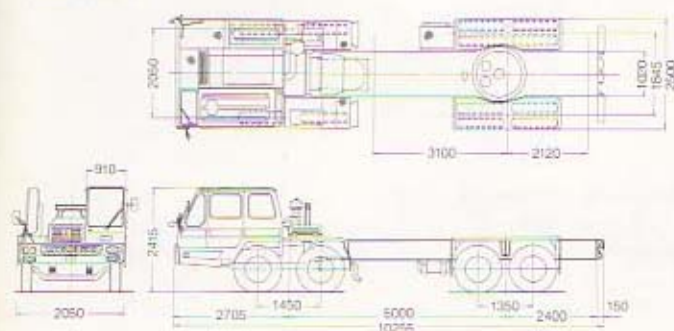
WEIGHTS kg		
Carrier weight (approx.)	10,480	11,990
front (approx.)	5,820	6,580
rear (approx.)	4,660	5,410
Rated axle load front	12,000	13,000
rear	23,000	23,000

ENGINE		
Model	8DC8-2A, 4 cycle water cooled direct injection diesel engine	
Max. output (JIS) PS/rpm	290/2,200	
Max. torque (JIS) kg-m/rpm	100/1,400	

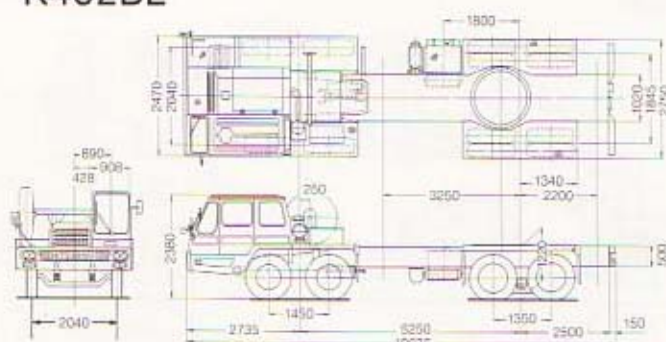
PERFORMANCE		
Max. speed km/h	65	75
Min. speed km/h	2.2 at 600rpm	1.7 at 600rpm
Max. gradeability (tan θ)%	(with G.V.W. 31,500kg) 28.0	(with G.V.W. 36,000kg) 31.5
Min. turning radius m	11	11.5

CHASSIS		
Transmission	5 forward and 1 reverse, Synchromesh (2nd~5th) and constantmesh (1st & Rev.) gears	10 forward and 2 reverse, Synchromesh (3rd~10th) and constantmesh (1st, 2nd & Rev.) gears
Ratio	7.868-4.207-2.432-1.617-1.000, Rev. 6.896	9.153-7.098-4.783-3.709-2.765-2.144-1.666-1.292-1.000-0.775, Rev. 6.286(H), 8.105(L)
Transfer Ratio	—	—
Axle, front	Reverse Elliot "I" beam type	
Axle, rear	Full floating type	
Final reduction ratio	6.666	7.500
Tyre size	10.00-20-14PR	11.00-20-14PR
Brake	2 circuit air brake or 2 circuit, air-over hydraulic brake, 8 wheels internal expanding	2 circuit air brake, 8 wheels internal expanding
Electrical system	24V (12V-140AH × 2)	
Fuel tank capacity ℓ	200	300

K303L



K402BL



MODEL	K203L	K203NZL
Type	One side cab offset to the left	
Drive system	6 × 4	
Crew	2	
Lifting capacity	25t × 3m (Hydraulic type)	30t × 3m (Hydraulic type)

DIMENSIONS		mm	
Wheelbase		4,700	5,000
Overall length	(approx.)	9,460	9,990
Overall width	(approx.)	2,500	2,500
Overall height	(approx.)	2,390	2,390
Tread	front	2,040	2,040
	rear	1,845	1,845

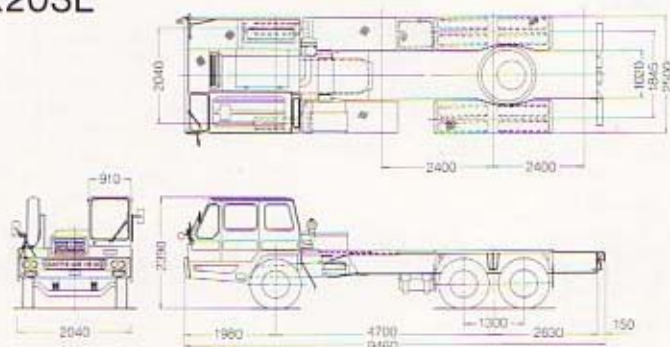
WEIGHTS		kg	
Carrier	weight (approx.)	8,870	9,605
	front (approx.)	4,070	4,015
	rear (approx.)	4,800	5,590
Rated axle load	front	6,500	6,500
	rear	19,000	23,000

ENGINE		
Model		6D22-1A, 4 cycle water cooled direct injection diesel engine
Max. output	(JIS) PS/rpm	225/2,200
Max. torque	(JIS) kg-m/rpm	78/1,400

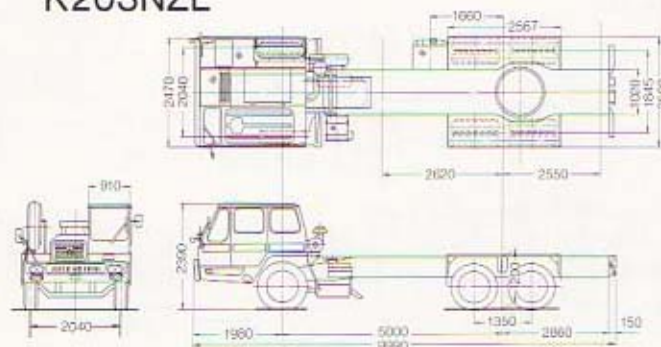
PERFORMANCE		
Max. speed	km/h	65
Min. speed	km/h	2.2 at 600rpm
Max. gradeability	(tan θ)%	(with G.V.W. 24,600kg) 27.0
Min. turning radius	m	9.5

CHASSIS		
Transmission		5 forward and 1 reverse, Synchromesh (2nd~5th) and constantmesh (1st & Rev.) gears
Ratio		7.868-4.537-2.709-1.555-1.000, Rev. 6.896
Transfer Ratio		—
Axle, front		Reverse Elliot "I" beam type
Axle, rear		Full floating type
Final reduction ratio		6.666
Tyre size		10.00-20-16PR or 11.00-20-14PR
Brake		2 circuit air brake or 2 circuit air-over hydraulic brake, 6 wheels internal expanding
Electrical system		24V (12V-120AH × 2)
Fuel tank capacity	ℓ	200

K203L



K203NZL



MODEL	K503L	K602L
Type	Low line cab	
Drive system	8 × 4	
Crew	2	
Lifting capacity	50t × 3m (Hydraulic type)	70t × 3m (Hydraulic type)

DIMENSIONS		mm	
Wheelbase		5,250	5,800
Overall length	(approx.)	11,250	12,040
Overall width	(approx.)	2,750	3,000
Overall height	(approx.)	2,160	2,265
Tread	front	2,240	2,500
	rear	2,055	2,275

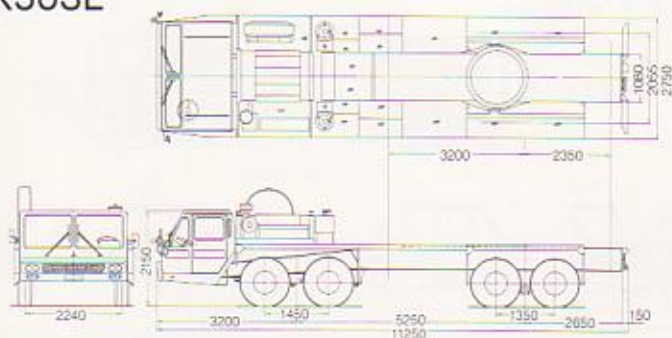
WEIGHTS		kg	
Carrier	weight (approx.)	14,260	17,210
	front (approx.)	7,900	9,880
	rear (approx.)	6,360	7,330
Rated axle load	front	17,000	22,000
	rear	24,000	30,000

ENGINE			
Model		8DC8-2A, 4 cycle water cooled direct injection diesel engine	8DC9-1A, 4 cycle water cooled direct injection diesel engine
Max. output	(JIS) PS/rpm	290/2,200	320/2,200
Max. torque	(JIS) kg-m/rpm	100/14,00	110/1,400

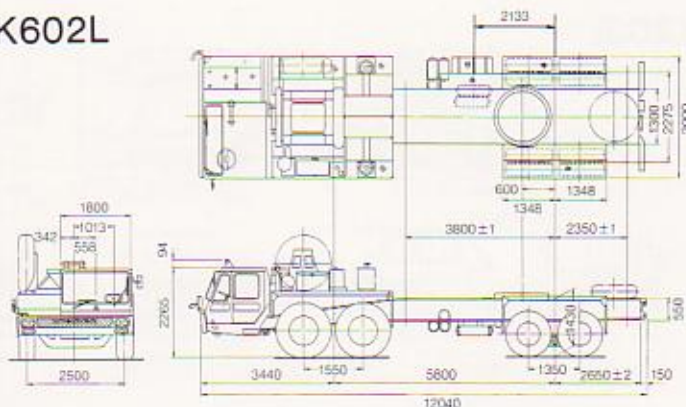
PERFORMANCE			
Max. speed	km/h	80	70
Min. speed	km/h	1.8 at 600rpm	1.5 at 600rpm
Max. gradeability	(tan θ)%	(with G.V.W. 39,600kg) 27.0	(with G.V.W. 47,000kg) 29.5
Min. turning radius	m	11.5	11.8

CHASSIS			
Transmission		10 forward and 2 reverse, Synchromesh (3rd—10th) and constantmesh (1st, 2nd & Rev.) gears	
Ratio		9.153-7.098-4.783-3.709-2.765-2.144-1.666-1.292-1.000-0.775, Rev. 6.286(H), 8.105(L)	
Transfer		—	—
Ratio		—	—
Axle, front		Reverse Elliot "I" beam type	
Axle, rear		Full floating type	
Final reduction ratio		7.500	8.788
Tyre size		12.00-20-18PR	14.00-24-24PR(F), 12.00-20-18PR(R)
Brake		2 circuit air brake, 8 wheels internal expanding	
Electrical system		24V (12V—140AH × 2)	
Fuel tank capacity	ℓ	300	400

K503L



K602L



お客様各位

三菱自動車工業株式会社

大型トラック・バスのメーカー推奨(指定)点検項目追加のご案内

拝啓 お客様には益々ご盛栄のこととお慶び申し上げます。また平素は三菱ふそうトラック・バスをご愛用賜り厚く御礼申し上げます。

さて、この度弊社ではお車を良好な状態でご使用いただくために、大型トラック・バスにつきまして「フロント・ホイールハブのホイールディスク取付け面の摩耗状態」の点検を法令12ヶ月点検(車検)時のメーカー推奨点検項目として追加することといたしましたのでご案内申し上げます。

つきましては、次回車検時からフロント・ホイールハブの点検をお受けの上、『定期点検整備記録簿』に点検結果の記入をお受け下さいますようお願い申し上げますとともに、お手数をおかけして大変恐縮ですが、同封の追加点検項目シートをお手持ちの整備手帳又はメンテナンスノートに貼り付け下さるようお願い申し上げます。

また、「タイヤ・ディスクホイールの取付け要領」を取り纏めました取扱説明書・追補版を同封いたしますので、日常の点検整備においてご活用下さいますよう併せてお願い申し上げます。 敬具

記

1. 対象車両

- ・大型トラック 83年式以降の車両
- ・大型バス 82年式以降の車両
- ・お客様の対象となる車両は別紙記載のとおりです。
(弊社都合により2度に分けてご送付する場合があります)

2. 追加点検項目

「フロント・ホイールハブのホイールディスク取付け面の摩耗」(12ヶ月毎)

3. 適用時期

本案内状到着以降の次回車検時から点検をお受け下さい。

4. 追加点検項目シート貼り付けのお願い

同封しました点検項目シートをお手持ちの整備手帳又はメンテナンスノートの「点検整備方式」の走行装置と記載のあるページに上部を合わせて貼り付けて下さい。



以上