



**KANTO**  
General Catalog

**H600/H650**

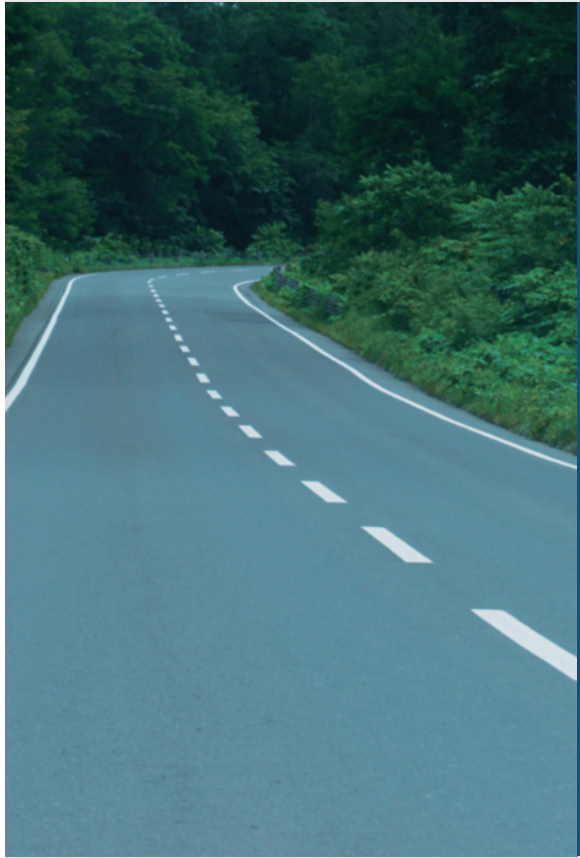
**KV40CS/KV40DS**

**KV25CS/KV25DS**

**KT30**

**CW25**

**KANTO TEKKO CO., LTD**



## Message from the President

Kanto Tekko was established in 1984 as a parts-supplying company for international roller manufacturers. Since then, utilizing our world class technology, we have accumulated experiences and achievements, and we now supply complete compactors as well as their main parts. We also manufacture and sell machines uniquely developed by ourselves such as crawler washers.

To reduce environmental burdens and create a sustainable society with good compatibility between the environment and economic activity, 3Rs are very important keywords: reduce, reuse and recycle. As part of our environmental efforts, which are also focused on 3Rs, we have been engaged in the manufacturing of emission control devices in the past and in the reuse of used machines at present. High-performance used machines are offered to many renting companies for rental or sale at lower costs.

Maintaining such good cooperative relationships with manufacturers and renting companies, we work very hard to raise work efficiency for end-users of our machines at construction sites. Making the best use of our know-how we have developed over the years, we are determined to produce products wholeheartedly to satisfy our customers.

We would like to ask for your continued support.

**President**  
**Tsunenori Suzuki**

### Company Profile

Corporate Name: KANTO TEKKO CO., LTD.  
 Capital: 40 million yen  
 Representative Person: Tsunenori Suzuki  
 Business Place: ■ Head Office/Factory 41-14 Ozaki,  
 Koga-shi, Ibaraki-ken, 306-0101, Japan  
 TEL +81-280-77-0081 FAX +81-280-77-0080  
 ■ Sakama Factory

Business Activities:

- Manufacture/assembly/sales of compacting equipment (road rollers, tire rollers, etc.)
- Manufacture/sales of parts for compacting equipment (roller drums, frames, etc.)
- Manufacture/assembly/sales of original maintenance equipment for heavy machines (crawler washer)
- Sales/rental of reuse compacting equipment
- Manufacture/assembly/sales of original compacting equipment (vibration roller)

# KANTO

**RRR**  
 リリース リユース リサイクル

### Corporate History

- 1984 Established as a parts-supplying company for BOMAG Germany
- 1985 Started to supply parts and components to BOMAG Japan
- 1986 Established the compaction department, started to develop and manufacture original tire rollers and macadam rollers
- 1988 Released a tire roller and macadam roller at the same time, started OEM supply of both types of rollers for Furukawa Co., Ltd
- 1991 Developed crawler washer (robot to wash the underbody of various heavy machines)
- 1992 Released crawler washer "CW20"
- 1993 Increased the capital to 40 million yen
- 1995 Released torque converter tire roller "PT20W"
- 1996 Released 3 models of compacting equipments: tire roller "P20WA," "PT20WA," and macadam roller "M1F" that conform to the first emission control regulation  
 Released emission control unit for heavy machines "DCR-650E" (construction technology assessment system No.96302) developed in conjunction with TOKYO ROKI CO., LTD.
- 1999 Exhibited a new model of macadam roller "M1-II" in CONET' 99 (construction machinery exhibition)
- 2001 Established a website
- 2003 Launched rental business  
 Started the sales of particle matter reduction device for diesel vehicle designated by 8 capital prefecture cities
- 2004 Achieved the sales of 2,000 sets of emission control unit for heavy machines
- 2006 Released crawler washer "CW25"
- 2009 Released vibration roller "H600/H650," 4-ton combined roller "KV40C," and tandem roller "KV40D"
- 2010 Released 3-ton tire roller "KT30," 2.5-ton combined roller "KV25C," and tandem roller "KV25D"
- 2012 Registered to NETIS, released super low-noise vibration rollers "KV25CS/DS" and "KV40CS/DS"  
 Released HAMM Vibration Roller 3000 series for civil engineering

# H600/H650

## ► Vibration Roller



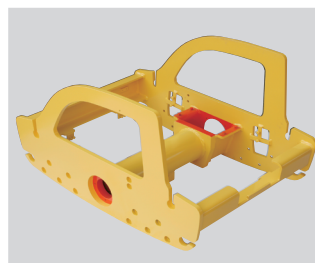
Low-noise Model Designated by Ministry of Land, Infrastructure, Transport and Tourism

**Low-noise Model: the noise level is as low as 96dB for H600 and 97dB for H650!**  
**Improved durability using a cylinder roller bearing for the shaft of vibration!**  
**Omission of decelerator from the drive mechanism significantly reduced oil leakage from travel motor!**

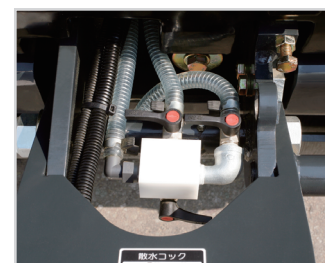


**Low-noise Model**

- The roller body of welded construction with improved frame rigidity reduces damages on both sides.
- Strong and novel design: Japan's first completely open type cover guards the engine and realizes easier maintenance.
- Wheel Stoppers Equipped.
- Safety structure allowing the engine to start only when the operation lever is in neutral position.
- Backward travelling...emergency stop device is provided to protect operators from getting caught.



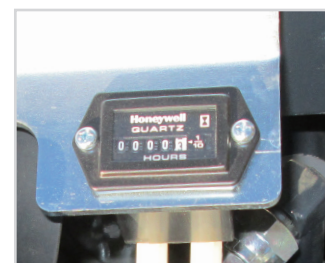
► Roller body of welded construction



► Easy-to-use sprinkler system



► Completely open type resin cover



► Hour meter

H600/H650

KV40CS/KV40DS

KV25CS/KV25DS

KT30

CW25

# KV40CS/KV40DS

## ► Ride-on Vibration Roller



Super Low-noise Construction Equipment



[Act on Regulation, etc. of Emissions from Non-Road Special Motor Vehicles] compliant (third standard)

## Superior operability and high efficiency!!



**KV40DS**  
[Tandem type]



**KV40CS**  
[Combined type]

### Reliable Safe Performance

Certified for European Visibility Safety Standard 1x1  
Floor height and step to facilitate easy getting on/off  
Diff-lock to ensure the safety on rough terrain  
Engine can be started only when the operation lever is in neutral.

### Advanced Environmentally-friendly Design

Certified for the third emission control regulation

### Easy Maintenance

Full open hood  
Adopted highly durable impeller type sprinkling pump



# KV25CS/KV25DS

## ► Ride-on Vibration Roller



Super Low-noise Construction Equipment



Corresponds to the Value of  
Third Emission Gas Standard

## Effective in urban area!



**KV25DS**  
[Tandem type]



**KV25CS**  
[Combined type]

### Reliable Safe Performance

Certified for European Visibility Safety Standard 1x1  
Floor height and step to facilitate easy getting on/off  
Diff-lock to ensure the safety on rough terrain  
Engine can be started only when the operation lever is in neutral.

### Advanced Environmentally-friendly Design

A switch to turn off back buzzer

### Easy Maintenance

Full open hood  
Adopted highly durable impeller type sprinkling pump  
Equipped with large (270L) sprinkler tank with large filter, stainless pipe, and metal one-touch nozzle with filter



► Completely open type hood

H600/H650

KV40CS/KV40DS

KV25CS/KV25DS

KT30

CW25

# KT30

## ► Tire Roller



Low-noise Model Designated by Ministry of Land, Infrastructure, Transport and Tourism



Corresponds to the Value of Third Emission Gas Standard

## Ideal for constructions in urban-area and small-scale pavement!



### Superior Workability

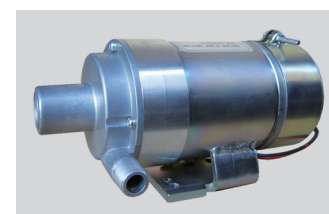
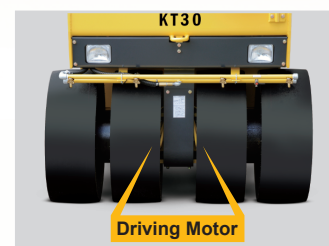
Uniform and smooth compaction on curved surface as tire dragging during cornering is reduced by 2-motor front-wheel drive.  
Wheel Stoppers Equipped water & oil spray unit  
2-speed motor is adopted to enable speed mode switching

### Maintenance

Adopted an impeller type sprinkling pump and resin sprinkler tank that last longer  
Water / oil spray nozzle is removable by one-touch operation and easy to clean.

### Safety

A foot brake in which the operation lever and the negative brake of oil pressure motor work together.  
Engine can be started only when the operation lever is in neutral.



# CW25

## ► Crawler Washer

Easy-to-install automatic washing robot provides better work environment  
Strong reduction in man-hour and cost of washing!



### 3-hour work can be finished within only 30 minutes

Although there is a personal difference, it takes about 3 hours for one worker to finish washing with a high-pressure washer.

This unit finishes the tough task automatically within 30 minutes for you.

### 7 nozzles on each side spray water

7 nozzles provided on each side spray a large amount of water to the crawler.

Washing nozzles continually run forward / backward while making up-and-down movements to wash the underbody of the machine.

### You can save up to 80% of cost by applying it to 100 machines.

According to our estimation, the cost for applying this unit to 100 machines of 0.7-ton class including electricity/water/labor fees is about 1/5 comparing to the manual work using a high-pressure washer.

#### ► Specifications

DRIVE SYSTEM		ELECTRICAL DRIVE
APPLICABLE MACHINE		Crawlers machines (either rubber or iron) including hydraulic shovel/bulldozer/crawler carrier, underbody of wheel loader/dump truck
OUTER DIAMETER	RAIL LENGTH	6,000mm
NOZZLE RUNNING DISTANCE		NOZZLE DISTANCE 3,380mm (minimum)
		S MODE 2,530mm
		M MODE 3,810mm
		L MODE 5,010mm
NOZZLE RUNNING TIME		6'45" ( Long/1 round trip, adjustable between 5-10 minutes by inverter )

DRIVE SYSTEM		ELECTRICAL DRIVE
NOZZLE LIFTING STROKE		90mm
WASHING PUMP	DISCHARGE RATE	500L/min
	POWER REQUIREMENT	11kw
TOTAL POWER REQUIREMENT		75A, 200V (3phase)
DRIVE SYSTEM FOR NOZZLE		Electric motor
RUNNING PATTERN	RUNNING DISTANCE	Short (S)/Middle (M)/Long (L)
	NUMBER OF TIMES OF RUNNING	1/2/3/5/Continuous (50 times)
CONTROL PROGRAM		Sequence
RUNNING CONTROL		Sequence
WASHING WATER DISCHARGE CONTROL		Electric valve

H600/H650

KV40CS/KV40DS

KV25CS/KV25DS

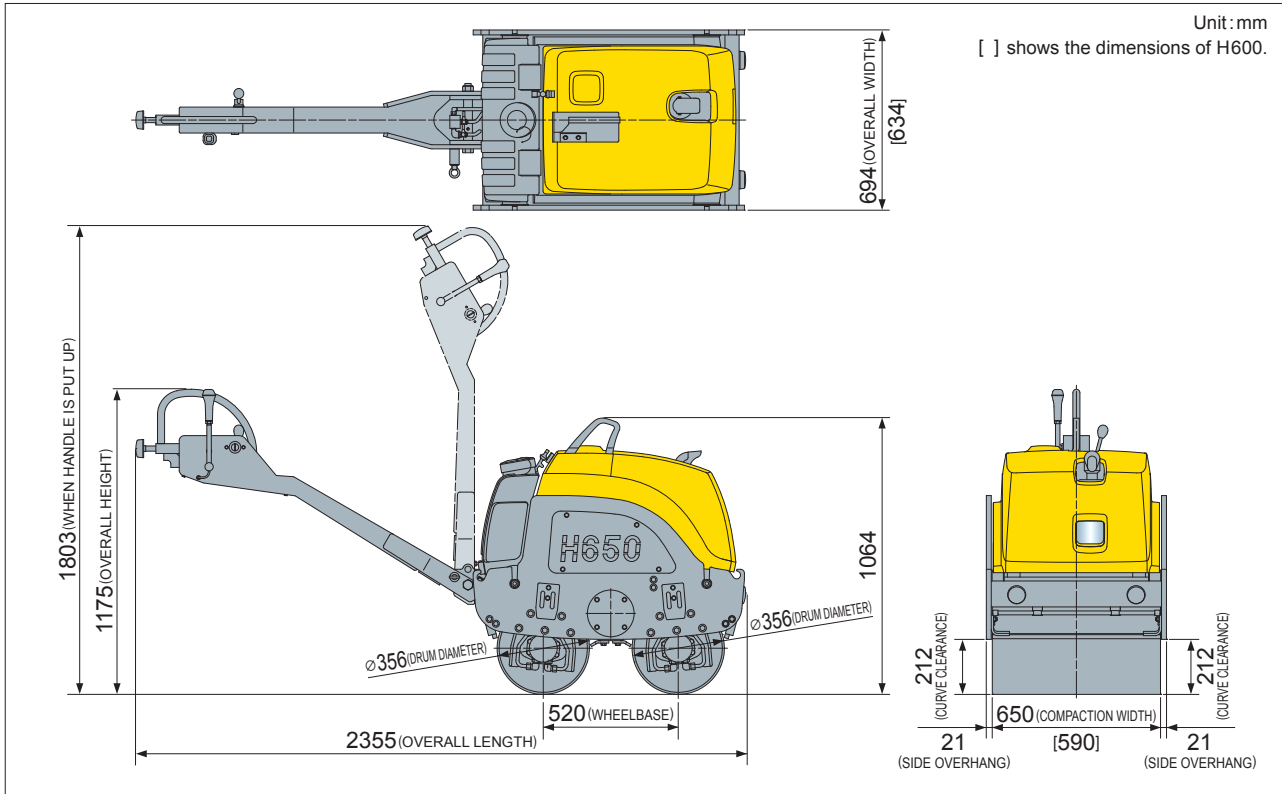
KT30

CW25

# H600/H650

## ► Vibration Roller

### ► Dimensions



### ► Specifications

Model	H600	H650
<b>WEIGHT</b>		
SHIPPING WEIGHT	kg 605	635
<b>DIMENSION</b>		
OVERALL LENGTH	mm 2,355	2,355
OVERALL WIDTH	mm 634	694
OVERALL HEIGHT	mm 1,175	1,175
WHEELBASE	mm 520	520
COMPACTION WIDTH	mm 590	650
CURVE CLEARANCE	mm 212	212
<b>VIBRATION</b>		
CENTRIFUGAL FORCE	kN 9.8	10.8
FREQUENCY	Hz 55	55

Model	H600	H650
<b>TRAVELLING</b>		
TRAVEL MECHANISM	HYDRAULIC TRANSMISSION	HYDRAULIC TRANSMISSION
WORK SPEED	km/h 0~3.5	0~3.5
CLIMBING ABILITY	% 46	46
<b>ENGINE</b>		
CHASSIS MARK	KUBOTA	KUBOTA
TYPE	E75-E3-NB3	E75-E3-NB3
COOLING METHOD	WATER COOLED	WATER COOLED
RATED OUTPUT	kW 4.0	4.0
<b>CAPACITY</b>		
SPRINKLER TANK	L 35	35

#### ► Optional equipment

- \* Eco-starter: prevents idling of starter at the time of starting the engine, prolongs the lives of starter motor and battery
- \* Eco-mode: reduces CO<sub>2</sub> & fuel consumption by drawing attention with the eco-mode indication lamp

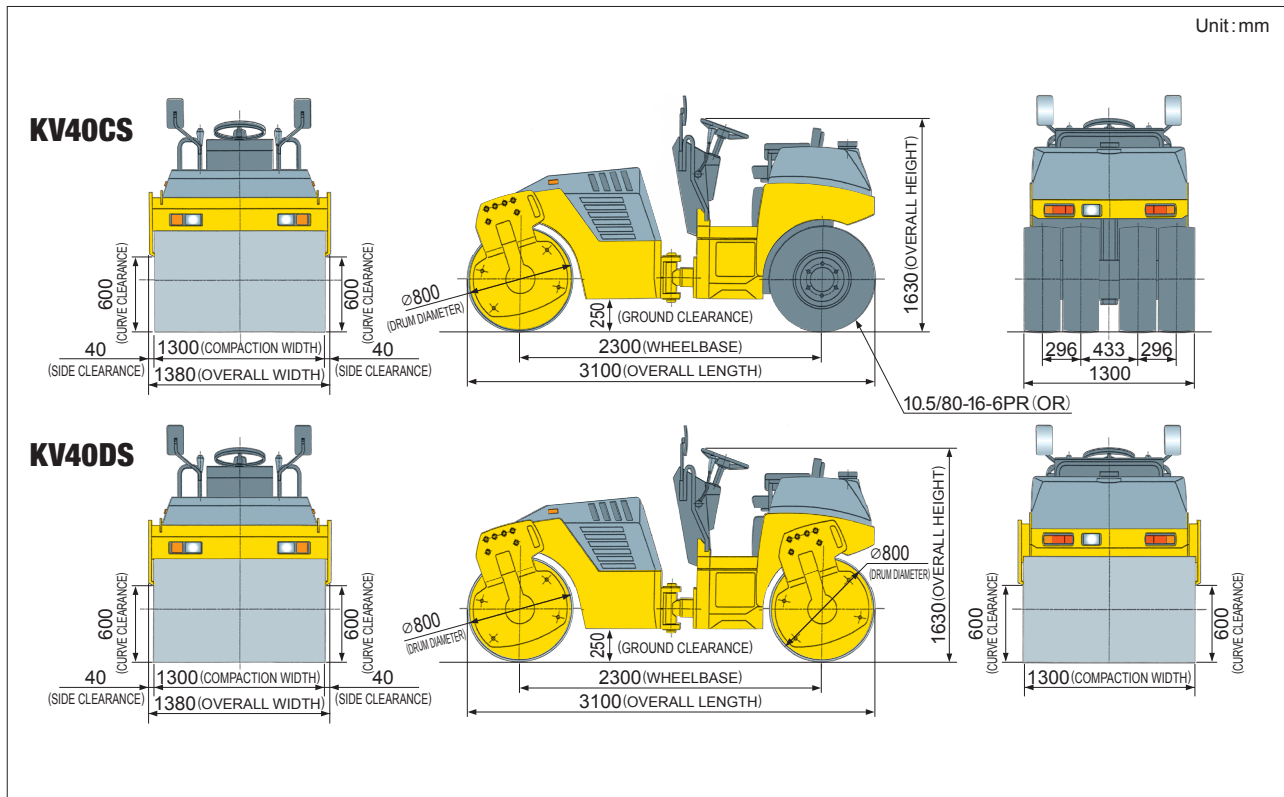
#### ► Special equipment

- \* Vibration Switch: the switch embedded in the grip of operation lever can be placed separately.
- \* Operation lever: mountable on the left hand side



# KV40CS/KV40DS ▶ Ride-on Vibration Roller

## ▶ Dimensions



## ▶ Specifications

Model	KV40CS Combined Type	KV40DS Tandem Type
<b>CHASSIS MARK</b>	KVR40C	KVR40D
<b>WEIGHT</b>		
SHIPPING WEIGHT	kg 3,290	3,690
OPERATING WEIGHT	kg 3,600	4,000
LOAD ON FRONT	kg	2,000
LOAD ON REAR	kg 1,600	2,000
<b>DIMENSION</b>		
OVERALL LENGTH	mm	3,100
OVERALL WIDTH	mm	1,380
OVERALL HEIGHT	mm	1,630
ROLLER WIDTH X DIAMETER	mm	1,300 × 800
TIRE SIZE X NUMBER OF TIRES	ROLLER WIDTH X DIAMETER	10.5/80-16-6PR (OR) ×4
WHEELBASE	mm	2,300
GROUND CLEARANCE	mm	250
CURVE CLEARANCE	mm	600 (RIGHT AND LEFT)
SIDE CLEARANCE	mm	40 (RIGHT AND LEFT)
<b>ENGINE</b>		
CHASSIS MARK	KUBOTA D1703-EDM	
TYPE	3-CYLINDER VERTICAL WATER COOLING, WHIRL CHAMBER SYSTEM	
RATED OUTPUT	kW/min <sup>-1</sup> [PS/rpm] 21.2/2,300 [28.8/2,300]	
DISPLACEMENT	L 1.647	
<b>ROLLING WHEEL</b>		
FREQUENCY	Hz [vpm]	55 [3,300]      55 [3,300]
CENTRIFUGAL FORCE	kN [kg]	24.5 [2,500]      24.5 [2,500] ×2

Model	KV40CS Combined Type	KV40DS Tandem Type
<b>DRIVELINE</b>		
TRANSMISSION	HYDROSTATIC TRANSMISSION/2 SPEED	
REVERSE GEAR	VARIATION OF DISCHARGE by VARIABLE CAPACITY HYDRAULIC PUMP	
FINAL REDUCTION GEAR	DIRECT DRIVE	
<b>EXCITATION UNIT</b>		
POWER TRANSMISSION	HYDROSTATIC TYPE	
MOTION EXCITER	UNIAXIAL ECCENTRICITY	
MOUNTED POSITION	LOAD ON FRONT	FRONT/LOAD ON REAR
<b>DRIVE PERFORMANCE</b>		
SPEED RANGE	km/h	LOW 0-9.0, HIGH 0-12.0      LOW 0-7.5, HIGH 0-10.0
CLIMBING ABILITY	DEGREE	22
MINIMUM TURN RADIUS	m	4.3
<b>BRAKE SYSTEM</b>		
MAIN BRAKE	HYDROSTATIC TYPE	
PARKING BRAKE	WET MULTIPLATE BRAKE (MECHANICAL)	
<b>DRIVE SYSTEM</b>		
SYSTEM	ARTICULATE TYPE	
TYPE	HYDRAULIC TYPE	
<b>OTHER</b>		
SPRINKLER UNIT	ELECTRIC PRESSURE-FED TYPE (PRESSURE ATOMIZATION)	
LIQUID SPRAY SYSTEM	ELECTRIC PRESSURE-FED TYPE (PRESSURE ATOMIZATION)	—
FUEL TANK	L	50
SPRINKLER TANK	L	310
LIQUID TANK	L	10      —

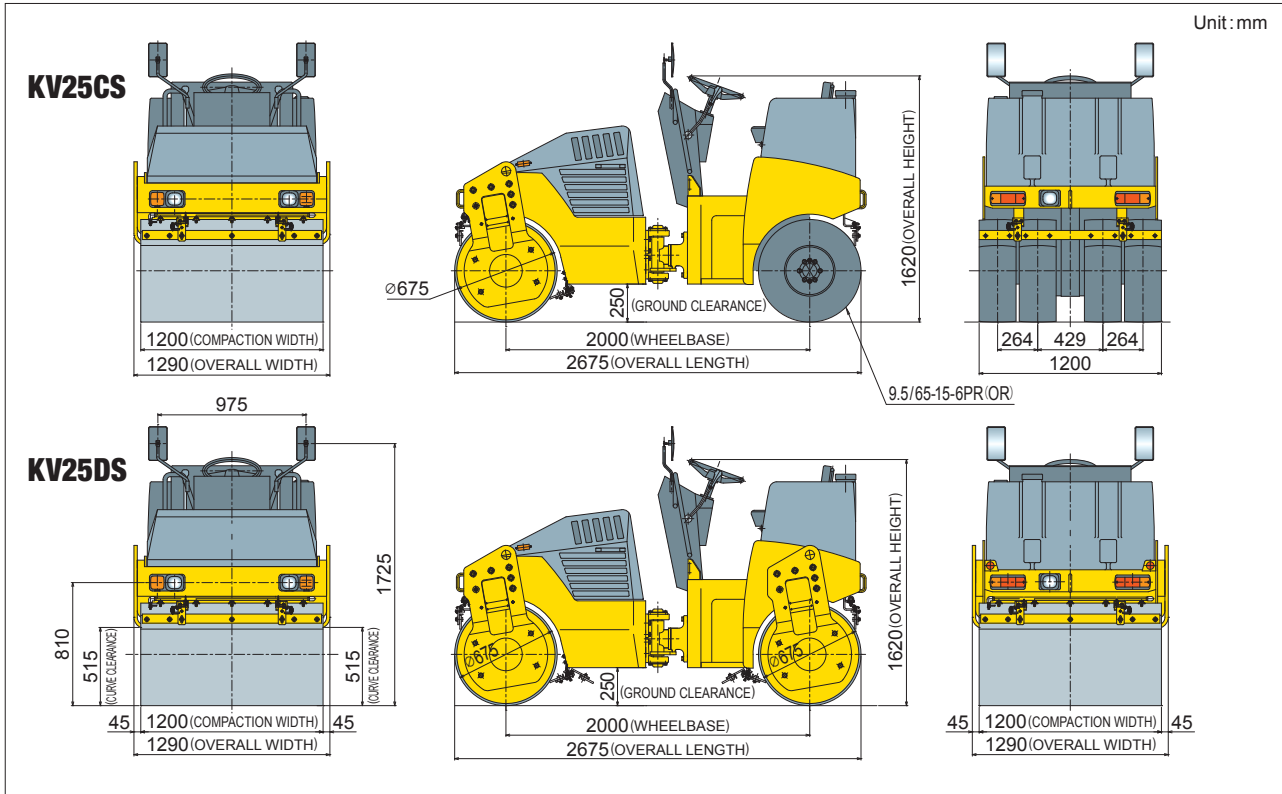
## ▶ Optional equipment

- Hazard switch
- Sprinkler timer
- Cold area specification
- Back sensor

# KV25CS/KV25DS

## ► Ride-on Vibration Roller

### ► Dimensions



### ► Specifications

Model	KV25CS Combined Type	KV25DS Tandem Type
<b>CHASSIS MARK</b>	KV25C	KV25D
<b>WEIGHT</b>		
SHIPPING WEIGHT	kg 2,430	2,730
OPERATING WEIGHT	kg 2,700	3,000
LOAD ON FRONT	kg 1,500	
LOAD ON REAR	kg 1,200	1,500
<b>DIMENSION</b>		
OVERALL LENGTH	mm	2,675
OVERALL WIDTH	mm	1,290
OVERALL HEIGHT	mm	1,620
ROLLER WIDTH X DIAMETER	mm 1,200 × 675	
TIRE SIZE X NUMBER OF TIRE	ROLLER WIDTH X DIAMETER	9.5/65-15-6PR (OR) ×4
		1,200 × 675
WHEELBASE	mm 2,000	
GROUND CLEARANCE	mm 250	
CURVE CLEARANCE	mm 515 (RIGHT and LEFT)	
SIDE CLEARANCE	mm 45 (RIGHT and LEFT)	
<b>ENGINE</b>		
CHASSIS MARK	MITSUBISHI S3L2-EDL2M	
TYPE	3-CYLINDER WATER COOLING, WHIRL CHAMBER SYSTEM	
RATED OUTPUT	kW/min <sup>-1</sup> [PS/rpm] 17.7/2,500 [24/2,500]	
DISPLACEMENT	L 1.319	
<b>ROLLING WHEEL</b>		
FREQUENCY	Hz [vpm]	58 [3,500]      58 [3,500]
CENTRIFUGAL FORCE	kN [kg]	22.5 [2,300]      20.6 [2,100] ×2

Model	KV25CS Combined Type	KV25DS Tandem Type
<b>DRIVELINE</b>		
TRANSMISSION	HYDROSTATIC TRANSMISSION	
REVERSE GEAR	VARIATION OF DISCHARGE by HYDRAULIC PUMP	
FINAL REDUCTION GEAR	DIRECT DRIVE	
<b>EXCITATION UNIT</b>		
POWER TRANSMISSION	HYDROSTATIC TYPE	
MOTION EXCITER	UNIAXIAL ECCENTRICITY	
MOUNTED POSITION	LOAD ON FRONT	FRONT/LOAD ON REAR
<b>DRIVE PERFORMANCE</b>		
SPEED RANGE	km/h	0~12.0
CLIMBING ABILITY	DEGREE	21
MINIMUM TURN RADIUS	m	4.0
<b>BRAKE SYSTEM</b>		
MAIN BRAKE	HYDROSTATIC BRAKE	
PARKING BRAKE	WET MULTIPLATE BRAKE (MECHANICAL)	
<b>DRIVE SYSTEM</b>		
SYSTEM	ARTICULATE TYPE	
TYPE	FULL HYDRAULIC TYPE	
<b>OTHER</b>		
SPRINKLER UNIT	CENTRIFUGAL PUMP TYPE	
LIQUID SPRAY SYSTEM	TROCHOID PUMP	—
FUEL TANK	L 40	
SPRINKLER TANK	L 270	
LIQUID TANK	L 10	—

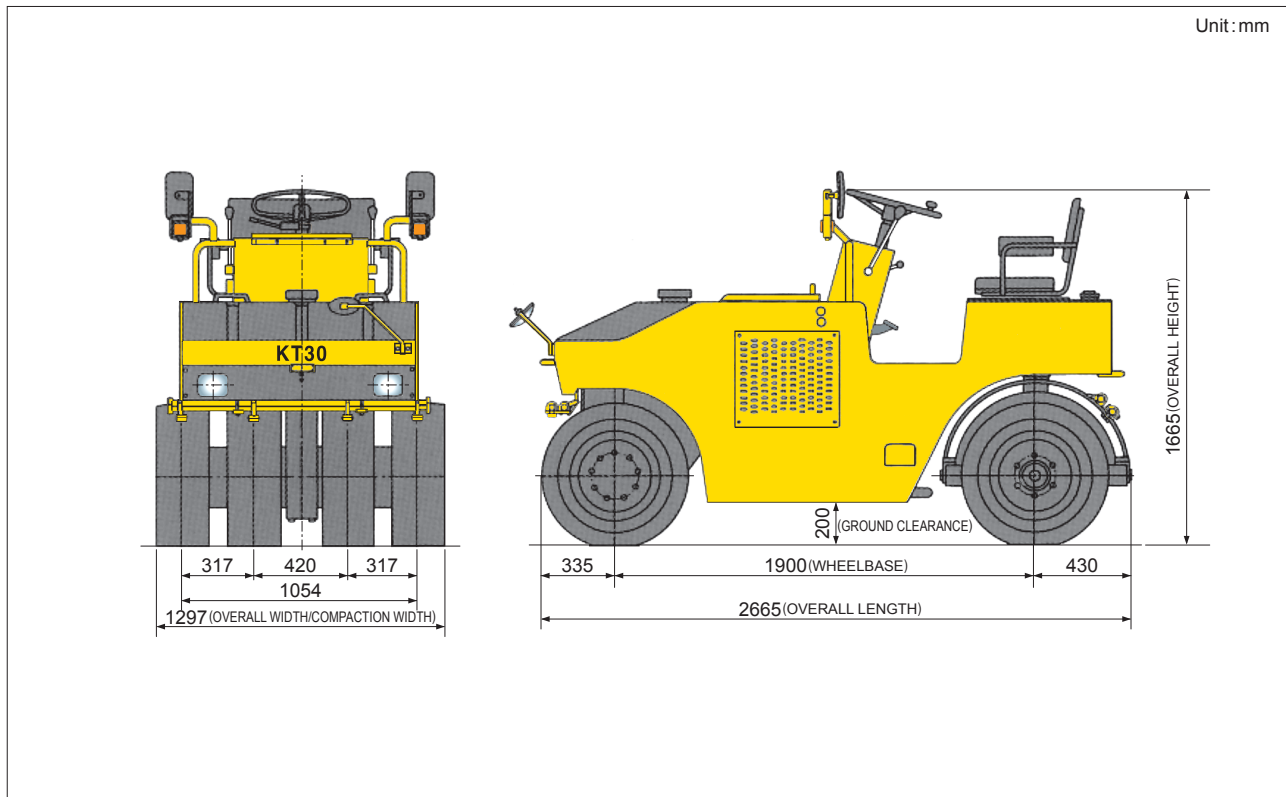
### ► Optional equipment

- Hazard switch
- Sprinkler timer
- Cold area specification
- Back sensor

# KT30

## ► Tire Roller

### ► Dimensions



### ► Specifications

Model		KT30	
<b>WEIGHT</b>			
OPERATING WEIGHT	TOTAL	kg	3,000
	LOAD ON FRONT	kg	1,770
	LOAD ON REAR	kg	1,230
SHIPPING WEIGHT	TOTAL	kg	2,860
	LOAD ON FRONT	kg	1,640
	LOAD ON REAR	kg	1,220
<b>TIRE WEIGHT (PER PIECE)</b>			
IN OPERATING WEIGHT	LOAD ON FRONT	kg	442
	LOAD ON REAR	kg	410
IN SHIPPING WEIGHT	LOAD ON FRONT	kg	410
	LOAD ON REAR	kg	407
<b>DIMENSION</b>			
OVERALL LENGTH	mm	2,665	
OVERALL WIDTH	mm	1,297	
OVERALL HEIGHT	mm	1,665	
WHEELBASE	mm	1,900	
COMPACTION WIDTH	mm	1,297	
GROUND CLEARANCE	mm	200	
OVERLAP	mm	105	
<b>DRIVE PERFORMANCE</b>			
SPEED RANGE (CONSTANT SPEED FOR FORWARD/BACKWARD)	First	km/h	0~5.7
	Second	km/h	0~10.0
MINIMUM TURN RADIUS	m	3.9	
CLIMBING ABILITY	DEGREE	25	

Model		KT30	
<b>ENGINE</b>			
CHASSIS MARK	MITSUBISHI S3L2-EDL2M		
TYPE	3-CYLINDER VERTICAL WATER COOLING, WHIRL CHAMBER SYSTEM		
DISPLACEMENT	L	1.318	
RATED OUTPUT	kW/min <sup>-1</sup> [PS/rpm]	17.7/2500 [24/2500]	
<b>TRANSMISSION SYSTEM</b>			
TRANSMISSION	HYDROSTATIC TRANSMISSION		
GEAR	2-speed		
FINAL REDUCTION GEAR	PLANETARY GEAR TYPE		
<b>WHEEL UNIT</b>			
TIRE DIMENSION	9.5/65-15-6PR(OR)		
NUMBER OF TIRE	4 FRONT TIRES × 3 REAR TIRES		
TIRE AIR PRESSURE	kPa	325	
<b>BRAKE SYSTEM</b>			
MAIN BRAKE	HYDROSTATIC BRAKE/ WET MULTIPLATE BRAKE (MECHANICAL)		
PARKING BRAKE	WET MULTIPLATE BRAKE (MECHANICAL)		
DRIVE SYSTEM	FULL HYDRAULIC POWER STEERING		
SPRINKLER SYSTEM	ELECTRIC PRESSURE-FED TYPE (PRESSURE ATOMIZATION)		
OIL SPRAY SYSTEM	ELECTRIC PRESSURE-FED TYPE (PRESSURE ATOMIZATION)		
<b>TANK CAPACITY</b>			
FUEL TANK	L	32	
SPRINKLER TANK	L	140	
LIQUID TANK	L	10	

### ► Optional equipment

- Cold area specification
- Sprinkler timer

# KANTO

<http://www.kanto-tk.co.jp>

- For the purpose of performance improvement, the specification of this machine is subject to change without notice. ● Colors of the body and other parts may appear different from the actual color due to the photographing and printing process. ● Please read "Instruction Manual" thoroughly before using.
- In order to prevent malfunction or accident, please make sure to inspect the machine body periodically.
- The "Roller Special Education" must be taken to be the operator of this machine.

## KANTO TEKKO CO., LTD

Head Office: 41-14 Ozaki, Koga-shi,  
Ibaraki-ken, 306-0101, Japan  
TEL: +81-280-77-0081 FAX: +81-280-77-0080

KANTO-TK

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