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SECTION 8B

VIBRATORY ROLLERS (JV06 ~ JV40)

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VIBRATORY ROLLERS
JV06~JV40

The high performance and durability of Komatsu vibratory rollers have been job-proven in various applications from sub-base compaction to asphalt surface finish. All features are designed for the purpose of getting the job done quickly and smoothly. Wide roller span, large centrifugal force, and high travel speed give fast and efficient compaction. The small overhang and visibility-oriented operator seat are designed so that the operator can always have an excellent view of the compaction area for precise operation. Maintenance is also greatly simplified.

Large centrifugal force: A single-shaft flyweight-type vibrator generates large centrifugal force to achieve effective compaction of all materials such as soil and asphalt.

Small overhang: Small overhang of the left side of the machine facilitates quick and smooth compaction work very close to walls, fences, or posts.

Large roller width and high working speed: Large roller width and working speed allows shorter cycle time for speedy job completion.

Low noise and vibration: Rubber pads for vibrator shaft support, steering wheel support, and operator's compartment suppress vibration before it reaches the operator.

Sprinkler system: A sprinkler system is essential for asphalt compaction work. Water is spread uniformly over the whole span of the rollers and a large-capacity water tank allows extended operation before refilling.

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Specifications

VIBRATORY ROLLERS JV06~JV40

Item	Model	JV06H-2	JV06HM-2	JV08H-2	JV08HM-2
WEIGHT (approx.):	kg(lb)				
Operating weight		600 (1,320)	580 (1,278)	750 (1,653)	730 (1,609)
Weight distribution:					
Front drum		270 (595)	260 (573)	320 (705)	310 (683)
Rear drum		330 (725)	320 (705)	430 (948)	420 (926)
Flywheel horsepower	HP(kW)/RPM	5.0(3.7)/2000	5.0(3.7)/2000	6.0(4.4)/2000	6.0(4.4)/2000
PERFORMANCE:					
Travel speed:	km/h(MPH)				
Forward and reverse 1st		4.0 (2.5)	4.0 (2.5)	4.0 (2.5)	4.0 (2.5)
2nd		–	–	–	–
Cycle of vibration:	CPM				
Front drum		3300	3300	3300	3300
Rear drum		3300	3300	3300	3300
Centrifugal force:	kg(lb)				
Front drum		850 (1,870)	850 (1,870)	1000 (2,200)	1000 (2,200)
Rear drum		850 (1,870)	850 (1,870)	1000 (2,200)	1000 (2,200)
Compacting width	mm(ft.in)	600 (2')	600 (2')	700 (2' 4")	700 (2' 4")
Turning radius	m(ft.in)	–	–	–	–
ENGINE:					
Model		YAMMAR NFA60	YAMMAR NFA60	YAMMAR NFA70	YAMMAR NFA70
Number of cylinders		1	1	1	1
Bore x stroke	mm(in)	75 x 80 (2.95" x 3.15")	75 x 80 (2.95" x 3.15")	78 x 80 (3.07" x 3.15")	78 x 80 (3.07" x 3.15")
Piston displacement	ltr.(cu.in)	0.353 (21.5)	0.353 (21.5)	0.382 (23.3)	0.382 (23.3)
TRANSMITTING SYSTEM:					
Transmission		HST	HST	HST	HST
Gearshift		Stepless	Stepless	Stepless	Stepless
Reverser		Swash-plate type variable-capacity pump	Swash-plate type variable-capacity pump	Swash-plate type variable-capacity pump	Swash-plate type variable-capacity pump
Final drive		Spur gear	Spur gear	Spur gear	Spur gear
CAPACITY:	ltr.(U.S.gal)				
Fuel tank		7.1 (1.9)	7.1 (1.9)	7.1 (1.9)	7.1 (1.9)

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Item	Model	JV16-1	JV28-1	JV32W-2	JV40-1
WEIGHT (approx.):	kg(lb)				
Operating weight		1270 (2,800)	2800 (6,170)	3000 (6,610)	4000 (8,820)
Weight distribution:					
Front drum		510 (1,125)	1850 (4,080)	1500 (3,305)	2250 (4,960)
Rear drum		760 (1,675)	950 (2,090)	1500 (3,305)	1750 (3,860)
Flywheel horsepower	HP(kW)/RPM	8.2(6.1)/2000	16(11.9)/2200	16.5(12.3)/2300	25.5(19)/2500
PERFORMANCE:					
Travel speed:	km/h(MPH)				
Forward and reverse 1st		1.8 (1.1)	5.2 (3.2)	5 (3.1)	6.5 (4.0)
2nd		4.0 (2.5)	–	–	–
Cycle of vibration:	CPM				
Front drum		–	2800	3000	2800
Rear drum		3300	–	–	–
Centrifugal force:	kg(lb)				
Front drum		–	2500 (5,510)	2000 (4,410)	3500 (7,715)
Rear drum		1600 (3,530)	–	–	–
Compacting width	mm(ft.in)	800 (2' 7")	1000 (3' 3")	1000 (3' 3")	1220 (4')
Turning radius	m(ft.in)	4.3 (14' 1")	3.5 (11' 6")	4.0 (13' 1")	4.4 (14' 5")
ENGINE:		MITSUBISHI	KUBOTA	KUBOTA	KUBOTA
Model		NM10	ZB18	ZB18	D1402
Number of cylinders		1	2	2	3
Bore x stroke	mm(in)	88 x 95 (3.46" x 3.74")	84 x 84 (3.31" x 3.31")	84 x 84 (3.31" x 3.31")	85 x 82 (3.35" x 3.23")
Piston displacement	ltr.(cu.in)	0.577 (35.2)	0.931 (56.8)	0.931 (56.8)	1.395 (85.1)
TRANSMITTING SYSTEM:					
Transmission		Sliding mesh	HST	HST	HST
Gearshift		2-forward, 3-reverse	Stepless	Stepless	Stepless
Reverser		Multiple-disc	Swash-plate type variable-capacity pump	Swash-plate type variable-capacity pump	Swash-plate type variable-capacity pump
Final drive		Spur gear	Spur gear	Spur gear	Spur gear
CAPACITY:	ltr.(U.S.gal)				
Fuel tank		8.7 (2.3)	12.0 (3.2)	12.0 (3.2)	40 (10.5)

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Specifications

Item	Model	JV40CW-1	JV40C-1
WEIGHT (approx.):	kg(lb)		
Operating weight		3850 (8,490)	3800 (8,380)
Weight distribution:			
Front drum		2300 (5,070)	2250 (4,960)
Rear drum		1550 (3,420)	1550 (3,420)
Flywheel horsepower	HP(kW)/RPM	25.5(19)/2500	25.5(19)/2500
PERFORMANCE:			
Travel speed:	km/h(MPH)		
Forward and reverse 1st		6.5 (4.0)	6.5 (4.0)
2nd		–	–
Cycle of vibration:	CPM		
Front drum		2800	2800
Rear drum		–	–
Centrifugal force:	kg(1b)		
Front drum		3500 (7,715)	3500 (7,715)
Rear drum		–	–
Compacting width	mm(ft.in)	1220 (4')	1220 (4')
Turning radius	m(ft.in)	4.4 (14' 5")	4.4 (14' 5")
ENGINE:		KUBOTA	KUBOTA
Model		D1402	D1402
Number of cylinders		3-85 × 82	3-85 × 82
Bore × stroke	mm(in)	(3.35" × 3.23")	(3.35" × 3.23")
Piston displacement	ltr.(cu.in)	1.395 (85.1)	1.395 (85.1)
TRANSMITTING SYSTEM:			
Transmission		HST	HST
Gearshift		Stepless	Stepless
Reverser		Swash-plate type variable-capacity pump	Swash-plate type variable-capacity pump
Final drive		Spur gear	Spur gear
CAPACITY:	ltr.(U.S.gal)		
Fuel tank		40 (10.5)	40 (10.5)

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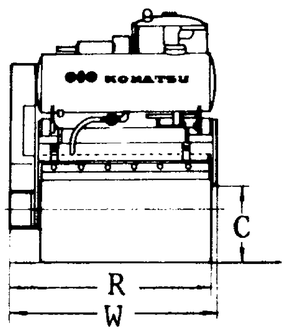
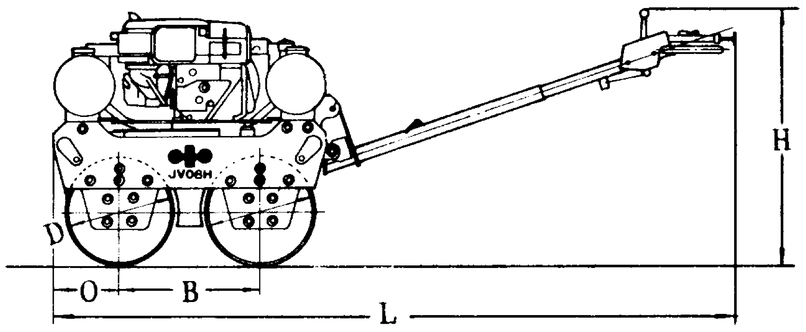
Dimensions

VIBRATORY ROLLERS
JV06~JV40

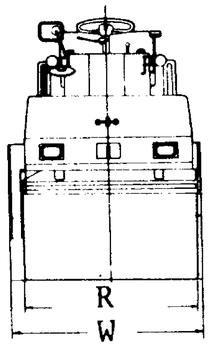
JV06H-2
JV06HM-2



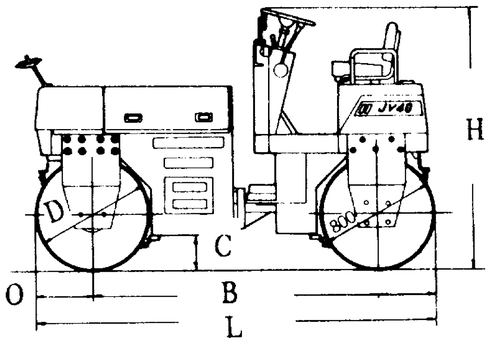
JV08H-2
JV08HM-2



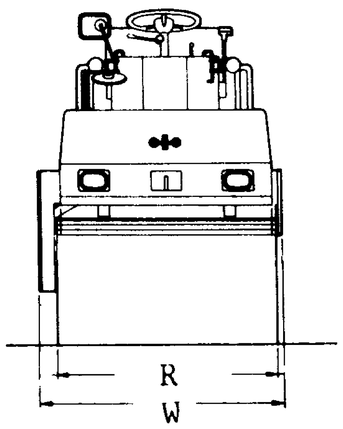
JV16-1
JV28-1



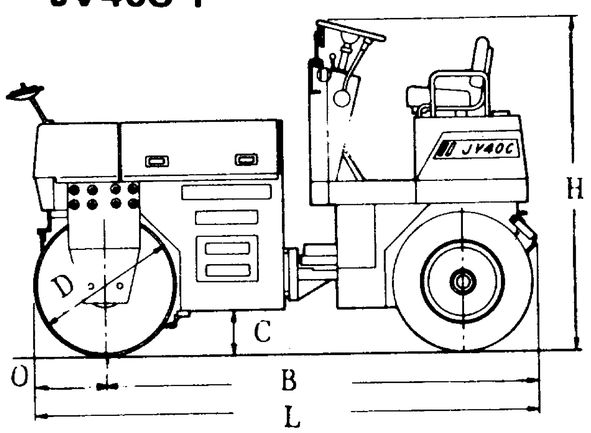
JV32W-2
JV40-1



JV40CW-1



JV40C-1



Unit:mm(ft.in)

	JV06H-2	JV06HM-2	JV08H-2	JV08HM-2	JV16-1	JV28-1	JV32W-2	JV40-1	JV40CW-1	JV40C-1
W	710 (2'4")	710 (2'4")	810 (2'8")	810 (2'8")	950 (3'1")	1150 (3'9")	1140 (3'9")	1350 (4'5")	1350 (4'5")	1350 (4'5")
L	2500 (8'2")	2500 (8'2")	2900 (9'6")	2900 (9'6")	2010 (6'7")	2560 (8'5")	2340 (7'8")	2800 (9'2")	2810 (9'3")	2810 (9'3")
H	1100 (3'7")	1100 (3'7")	1100 (3'7")	1100 (3'7")	1380 (4'6")	1690 (5'7")	1700 (5'7")	1850 (6'1")	1850 (6'1")	1850 (6'1")
R	600 (2")	600 (2")	700 (2'4")	700 (2'4")	800 (2'7")	1000 (3'3")	1000 (3'3")	1220 (4')	1220 (4')	1220 (4')
B	520 (1'8")	520 (1'8")	570 (1'10")	570 (1'10")	900 (2'11")	1650 (5'5")	1500 (4'11")	2000 (6'7")	2000 (6'7")	2000 (6'7")
O	270 (10.6")	270 (10.6")	270 (10.6")	270 (10.6")	300 (11.8")	500 (1'8")	440 (1'5")	400 (1'4")	400 (1'4")	400 (1'4")
C	220 (8.7")	220 (8.7")	250 (9.8")	250 (9.8")	165 (6.5")	260 (10")	250 (9.8")	250 (9.8")	250 (9.8")	250 (9.8")
D	355 (1'2")	355 (1'2")	406 (1'4")	406 (1'4")	500 (1'8")	800 (2'7")	700 (2'4")	800 (2'7")	800 (2'7")	800 (2'7")