



# MQ/Rammax Vibratory Rollers



**Full-featured tandem drum rollers**

**Construction Starts Here**





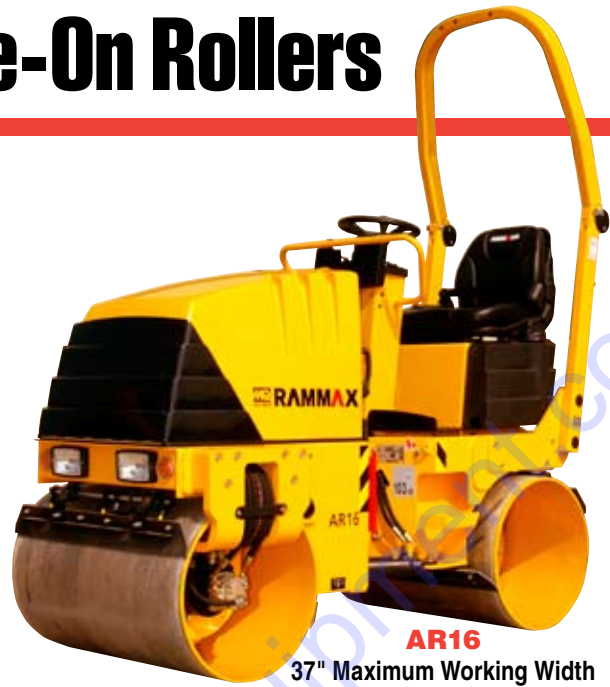
# MQ/Rammax Ride-On Rollers

The Rammax line of AR-Series tandem rollers is available in static weight classes from 1.5-4 tons. These units offer double drum drive and vibration for use on asphalt and soil/gravel sub-bases.

The Rammax reputation for workmanship and quality is evident in these rollers. A unique offset drum feature allows excellent clearance against walls and curbs and increases the effective working width of the drums. Highly-maneuverable, with the tightest turning radius in its class, these rollers will produce top quality asphalt finishes job after job.

These machines are equipped with a water-cooled, 3-cylinder Yanmar diesel engine that offers two working speeds as standard (2,400 RPM and 2,700 RPM). This feature provides two different vibratory frequencies and centrifugal forces to adapt the machine to specific compaction requirements.

A user-friendly design features a vibration isolated driver's platform. Additionally, the operator's control panel can be locked out to prevent vandalism.



**AR16**  
37" Maximum Working Width





# The feature-packed rollers that get the job done.



Maintenance free articulation joint features permanently sealed lubricated bearings.



Work right up to the wall.



All units have easy engine access.



Offset drums allow close operation against walls and curbs and increase the working width of the machine.

## Standard features on all MQ/Rammax AR-Series Ride-On Rollers

- Offset or inline drums
- Back-up alarm
- Low fuel warning light
- Dual vibration with rear vibration cut-off switch
- Dual water filtration system
- Two-level RPM settings
- Sound attenuation
- Vibration-isolated platform
- Lockable instrument panel and engine cover

# MQ/Rammax Vibratory Roller Specifications

Model	AR12	AR16	AR16K*	AR20	AR23	AR23K*	AR26	AR26K*	AR33	AR40	AR40K*
<b>Weight</b>											
Operating weight - lb (kg)	3197 (1450)	3417 (1550)	3417 (1550)	3638 (1650)	5511 (2500)	5070 (2300)	6173 (2800)	5511 (2500)	7937 (3600)	8598 (3900)	7937 (3600)
Static linear load - lb/in (kg/cm)	49 (8.8)	48 (8.6)	48 (8.6)	46.5 (8.3)	70 (12.5)	70 (12.5)	65.5 (11.7)	65.5 (11.7)	77.3 (13.8)	84 (15.0)	84 (15.0)
Wheel load - lb (kg)	—	—	44	—	—	578 (262)	—	606 (275)	—	—	412 (908)
<b>Drums</b>											
Width - in (mm)	32.3 (820)	35.4 (900)	35.4 (900)	39.4 (1000)	39.4 (1000)	39.4 (1000)	47.2 (1200)	47.2 (1200)	51.2 (1300)	51.2 (1300)	51.2 (1300)
Diameter - in (mm)	22.6 (575)	22.6 (575)	22.6 (575)	22.6 (575)	29.1 (740)	29.1 (740)	29.1 (740)	29.1 (740)	29.1 (740)	29.1 (740)	29.1 (740)
Thickness - in (mm)	.51 (13)	.51 (13)	.57 (12)	.51 (13)	.51 (13)	.51 (13)	.51 (13)	.51 (13)	.51 (13)	.51 (13)	.51 (13)
Offset - in (mm)	1.6 (40)	1.6 (40)	1.6 (40)	1.6 (40)	1.6 (40)	0	1.6 (40)	0 / .39 (0 / 10)	1.6 (40)	1.6 (40)	1.9 (50)
Rubber Tires	—	—	4	—	—	4	—	4	—	—	4
Tire Size	—	—	205/60R15	—	—	205/60R15	—	205/60R15	—	—	205/60R15
Tire axle width- in (mm)	—	—	35 (890)	—	—	38 (970)	—	46 (1170)	—	—	46 (1170)
Rolling width max.	34 (860)	37 (940)	35.4 (900)	41 (1040)	40.9 (1040)	39.37 (1000)	48.8 (1240)	47.2 (1200)	52.7 (1340)	52.7 (1340)	51 (1300)
<b>Drive</b>											
Engine/Type	Yanmar 3TVN76	Yanmar 3TVN76	Yanmar 3TVN76	Yanmar 3TVN76	Yanmar 3TVN88	Yanmar 3TVN88	Yanmar 3TVN88	Yanmar 3TVN88	Yanmar 3TVN88	Yanmar 3TVN88	Yanmar 3TVN88
Max. Horsepower - (kW)	20.3 (14.9)	20.3 (14.9)	20.3 (14.9)	20.3 (14.9)	30.4 (22.3)	30.4 (22.3)	30.4 (22.3)	30.4 (22.3)	30.4 (22.3)	30.4 (22.3)	30.4 (22.3)
Max. Travel speed mph - (kph)	0-8 (0-5.0)	0-8 (0-5.0)	0-8 (0-5.0)	0-8 (0-5.0)	0-6.2 (0-10)	0-6.2 (0-10)	0-6.2 (0-10)	0-6.2 (0-10)	0-6.2 (0-10)	0-6.2 (0-10)	0-6.2 (0-10)
Gradeability with/without vibration - %	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40	30 / 40
<b>Steering</b>											
Turning Radius, outside/inside - in (mm)	118 / 85.5 (2990 / 2170)	119 / 84 (3030 / 2130)	119 / 84 (3030 / 2130)	121 / 182 (3080 / 2080)	132 / 93 (3350 / 2350)	132 / 93 (3350 / 2350)	136 / 89 (3450 / 2250)	136 / 89 (3450 / 2250)	138 / 87 (3500 / 2200)	138 / 87 (3500 / 2200)	138 / 87 (3500 / 2200)
Steering / oscillating angle - +/-°	31 / 5	31 / 5	31 / 5	31 / 5	32 / 8	32 / 8	32 / 8	32 / 8	32 / 8	32 / 8	32 / 8
<b>Vibration</b>											
Amplitude - in (mm)	0.019 (0.5)	0.019 (0.5)	0.019 (0.5)	0.017 (0.45)	0.0157 (0.4)	0.0157 (0.4)	0.0157 (0.4)	0.0157 (0.4)	0.0138 (0.35)	0.0138 (0.35)	0.0138 (0.35)
<b>Working speed 2400 RPM</b>											
Frequency - Hz	3660 (61)	3660 (61)	3660 (61)	3660 (61)	3540 (59)	3540 (59)	3540 (59)	3540 (59)	3540 (59)	3540 (59)	3540 (59)
Centrifugal force- lb (kN)	2922 (13)	2922 (13)	2922 (13)	2922 (13)	7643 (34)	7643 (34)	7643 (34)	8542 (38)	8093 (36)	8093 (36)	8093 (36)
<b>Working speed 2700 RPM</b>											
Frequency - vpm (Hz)	4020 (67)	4020 (67)	4020 (67)	4020 (67)	4000 (67)	4000 (67)	4000 (67)	4000 (67)	4000 (67)	4000 (67)	4000 (67)
Centrifugal force- lb (kN)	3597 (16)	3597 (16)	3597 (16)	3597 (16)	9217 (41)	9217 (41)	9217 (41)	9217 (41)	10790 (48)	10790 (48)	10790 (48)
<b>Capacities</b>											
Water tank, front/rear- gal (lt)	21 (95)	21 (95)	21 (95)	21 (95)	17.6 / 26.4 (80 / 120)	17.6 / 26.4 (80 / 120)	17.6 / 26.4 (80 / 120)	17.6 / 26.4 (80 / 120)	17.6 / 26.4 (80 / 120)	17.6 / 26.4 (80 / 120)	17.6 / 26.4 (80 / 120)
Hydraulic tank - gal (lt)	7.7 (35)	7.7 (35)	7.7 (35)	7.7 (35)	5.5 / 25	5.5 / 25	5.5 / 25	5.5 / 25	5.5 / 25	5.5 / 25	5.5 / 25
Fuel tank - gal (lt)	5.7 (26)	5.7 (26)	5.7 (26)	5.7 (26)	9.5 / 43	9.5 / 43	9.5 / 43	9.5 / 43	9.5 / 43	9.5 / 43	9.5 / 43
<b>Overall Dimensions</b>											
Length - in (mm)	88.5 (2245)	88.5 (2245)	88.5 (2245)	88.5 (2245)	98.5 (2500)	98.5 (2500)	98.5 (2500)	98.5 (2500)	98.5 (2500)	98.5 (2500)	98.5 (2500)
Height w/ROPS folded down in (mm)	65 (1650)	65 (1650)	65 (1650)	65 (1650)	71 (1818)	71 (1818)	71 (1818)	71 (1818)	71 (1818)	71 (1818)	71 (1818)
Height w/ROPS folded raised in (mm)	97 (2470)	97 (2470)	97 (2470)	97 (2470)	103 (2615)	103 (2615)	103 (2615)	103 (2615)	103 (2615)	103 (2615)	103 (2615)
Width - in (mm)	34 (860)	34 (940)	34 (940)	41 (1040)	45 (1140)	44 (1110)	53 (1340)	52 (1310)	56 (1420)	56 (1420)	54 (1380)

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