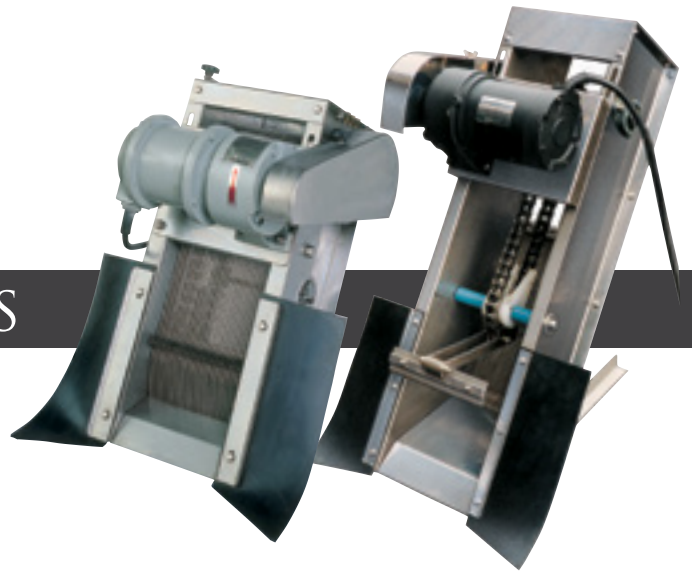


KE/KS KW/KM

AUTOMATIC BAR SCREENS

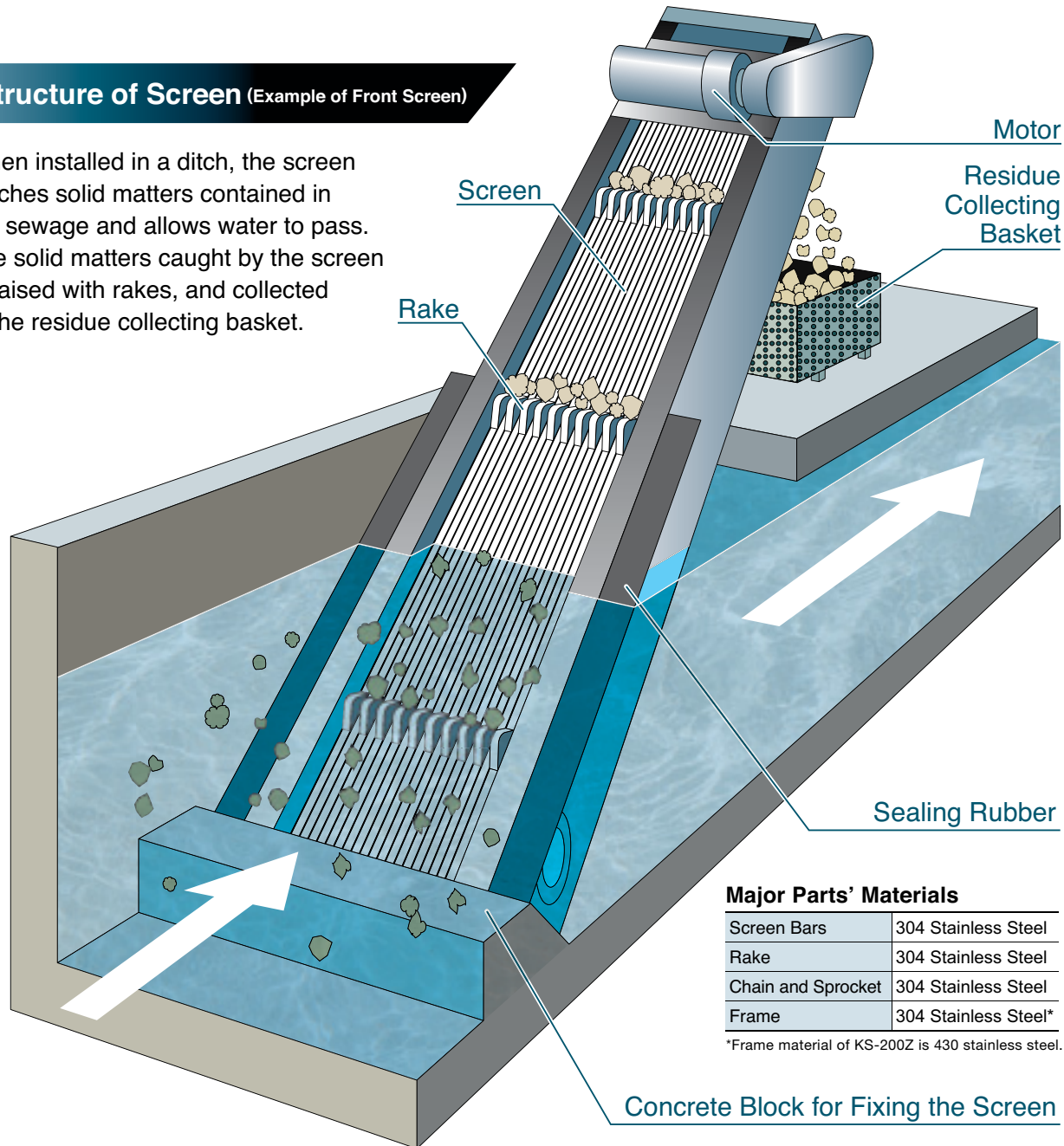


Excellent corrosion resistance

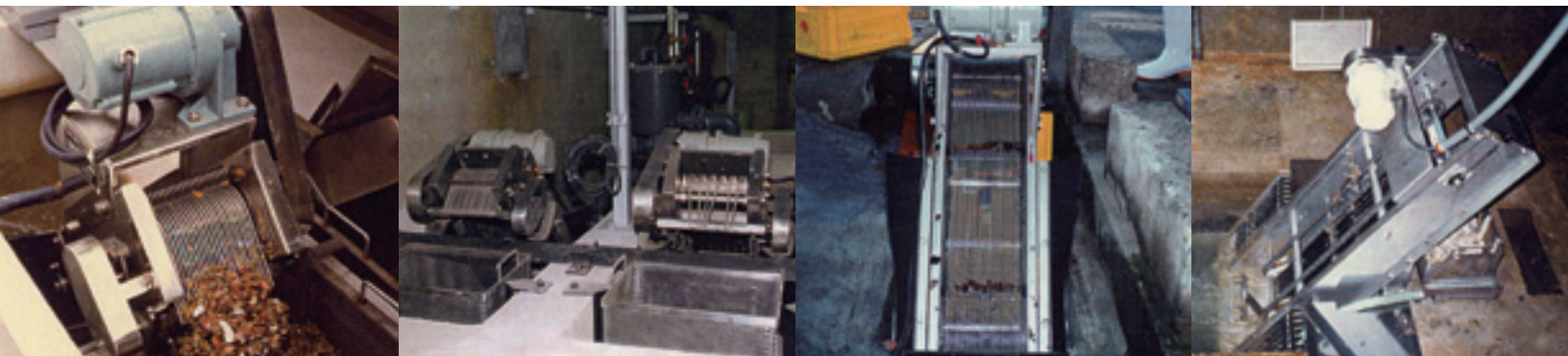
The wetted metal parts are made of 304 stainless steel

Structure of Screen (Example of Front Screen)

When installed in a ditch, the screen catches solid matters contained in the sewage and allows water to pass. The solid matters caught by the screen is raised with rakes, and collected in the residue collecting basket.



Used for combined sewage treatment tank (septic tank) and small-scale sewage treatment facilities, etc.



Efficient Elimination of Floating Solid Matters in Sewage

Tsurumi bar screens are pre-treatment equipment that enables smooth water treatment in post-processes

Front Screen Type

KE/KS/KW

Rear Screen Type

KM/KMA/KMS

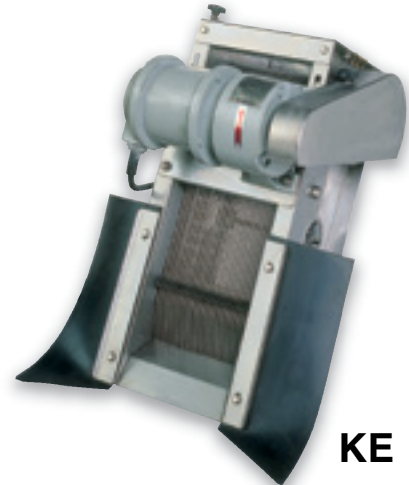
Applications

- Primary treatment of general industrial wastewater
- Treatment of wastewater from food processing factories
- Treatment of kitchen wastewater from hotels, factories, hospitals, etc.
- Combined sewage treatment tanks (septic tank)
- Village wastewater treatment facilities
- Small-scale sewage treatment facilities

Front Screen Type **KE/KS/KW**

Application in situations with water level fluctuations

- The bar screen is compact and lightweight, making it easy to install in U-shaped ditches, etc. With sealing rubber attached to the sides of the frame, the screen snugly fits any width of waterway.
- During operation, the rakes always move through the slits of the screen, preventing the screen from being clogged with foreign object.
- The wetted metal parts are made of 304 stainless steel, which exhibits excellent durability even in harsh environments, e.g., outdoors, continuously operated day and night, etc.
- Maintenance is easy. Initial and running costs are low.
- The KS-series screens are equipped with an eccentric roll mechanism that prevents retraction and clogging of the screen bar front edge caused by residue.
- The KW-series screens incorporate a safety device that can stop the gear motor immediately in the event of abnormal operation.

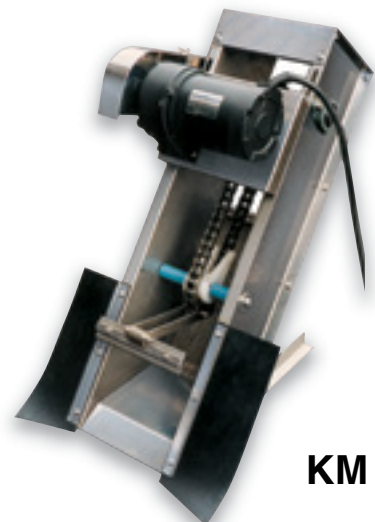


KE

Rear Screen Type **KM/KMA/KMS**

Application in situations without water level fluctuations

- The bar screen is compact and lightweight, making it easy to install in U-shaped ditches, etc. With sealing rubber attached to the sides of the frame, the screen snugly fits any width of waterway.
- Since the rake chain (dry chain) is not in contact with liquid, dirt and residue will not adhere to it. Therefore, it needs almost no maintenance.
- The wetted metal parts are made of 304 stainless steel, which exhibits excellent durability even in harsh environments, e.g., outdoors, continuously operated day and night, etc.
- The bar screen can be directly installed in a U-shaped ditch to eliminate dirt from the bottom of the ditch. It provides excellent treatment effect, and is advantageous both in terms of initial cost and running costs.



KM

KE/KS/KW – Front Screen –

The KE/KS/KW-series is a front screen type automatic bar screen designed for screening wastewater. The wetted metal parts are made of 304 stainless steel. Two or more rakes travel behind the screen bars located at the front side of the unit. Since every rake tooth moves between the screen bars, it can remove solid matters even though they lodge between the screen bars. In addition, the use of a small output motor enables to save the electricity. The bar screen is suitable for use in a waterway with varying water levels.



FRONT Fine Screen (Bar Spacing: 1.0 - 5.0mm)

Model	Motor Output HP	Bar Spacing mm				Overall Height in	Width of Waterway Min - Max in	Installation Angle	Dry Weight lbs
		Capacity GPM							
		1.0mm	2.0mm	2.5mm	5.0mm				
KE-200S	1/7	—	114	181	41	20 1/16	11 13/16 - 15 3/4	60°	71
KE-200M	1/7	—	159	203	255	26 15/16	11 13/16 - 15 3/4	60°	84
KE-200L	1/7	—	216	273	343	34 1/16	11 13/16 - 15 3/4	60°	93
KS-200Z	1/7	70	114	136	181	20 1/2	13 - 15 3/4	60°	73
KS-200Y	1/7	128	207	247	326	29 15/16	15 3/4 - 19 11/16	60°	108
KS-300Y	1/7	189	370	484	110	29 15/16	19 11/16 - 23 5/8	60°	119
KS-200S	1/7	75	123	136	207	31 1/2	13 - 15 3/4	45°	104
KS-200M	1/7	110	181	211	308	36 1/4	13 - 15 3/4	45°	115
KS-200L	1/7	141	242	277	409	41 5/16	13 - 15 3/4	45°	137
KW-4027	1/7	75	128	150	207	20	up to 15 3/4	60°	59
KW-4038	1/7	119	198	229	321	24 9/16	up to 15 3/4	60°	66
KW-4049	1/7	172	291	335	462	29 1/8	up to 15 3/4	60°	75
KW-5027	1/7	114	198	229	321	20	15 3/4 - 19 11/16	60°	66
KW-5038	1/7	181	304	357	498	24 9/16	15 3/4 - 19 11/16	60°	75
KW-5049	1/7	264	445	515	722	29 1/8	15 3/4 - 19 11/16	60°	84
KW-6027	1/7	159	269	308	431	20	19 11/16 - 23 5/8	60°	73
KW-6038	1/7	247	418	480	674	24 9/16	19 11/16 - 23 5/8	60°	84
KW-6049	1/7	357	608	696	982	29 1/8	19 11/16 - 23 5/8	60°	93

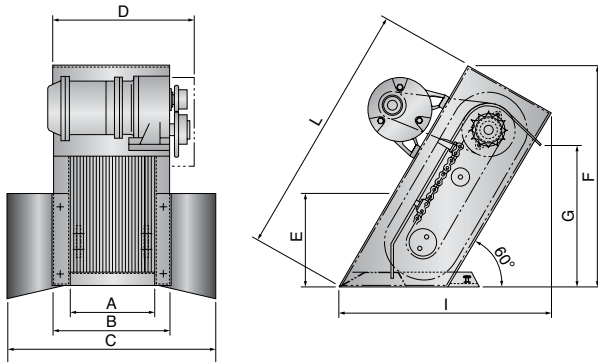
FRONT Coarse Screen (Bar Spacing: 20 - 50mm)

Model	Motor Output HP	Bar Spacing mm				Overall Height in	Width of Waterway Min - Max in	Installation Angle	Dry Weight lbs
		Capacity GPM							
		20mm	30mm	40mm	50mm				
KS-200S	1/7	308	330	352	374	31 1/2	13 - 15 3/4	45°	104
KS-200M	1/7	458	489	524	542	36 1/4	13 - 15 3/4	45°	115
KS-200L	1/7	603	647	691	726	41 5/16	13 - 15 3/4	45°	137

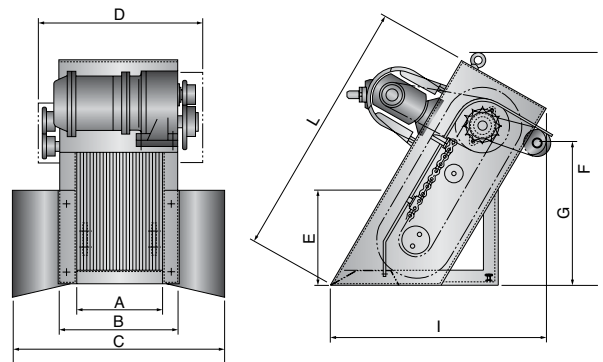
- Powered by three-phase totally-enclosed geared motor.
- Capacity is given as the maximum amount of clean water.
- Consult your dealer if the screen is to be installed in a waterway of a width exceeding that listed on the table.
- When ordering, specify the desired bar spacing together with the model name.

Dimensions

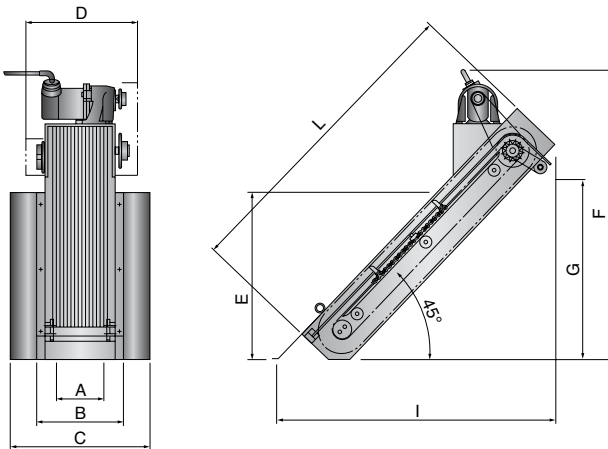
KE-200S
KE-200M
KE-200L



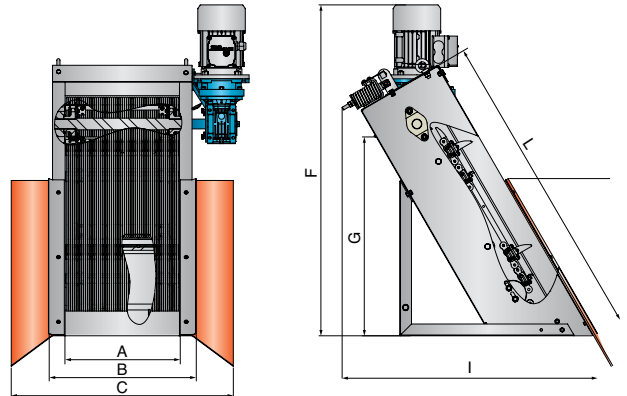
KS-200Z
KS-200Y
KS-300Y



KS-200S
KS-200M
KS-200L



KW-4027 KW-5027 KW-6027
KW-4038 KW-5038 KW-6038
KW-4049 KW-5049 KW-6049



Unit: mm

Model	Effective Width A	Width of Frame B	Overall Width C	Max. Width of Upper Part D	Max. Water Level E	Overall Height F	Discharge Level of Solids G	Space I	Overall Length of Frame L
KE-200S	191	254	460	330	210	510	300	480	577
KE-200M	191	254	460	330	390	685	500	580	787
KE-200L	191	254	460	330	510	865	680	690	992
KS-200Z	191	254	460	350	210	520	280	490	577
KS-200Y	191	254	460	350	360	760	500	640	850
KS-300Y	282	345	550	500	360	760	500	640	850
KS-200S	180(187)	290(297)	500	400(410)	270	800	400	800	800
KS-200M	180(187)	290(297)	500	400(410)	370	920	540	920	971
KS-200L	180(187)	290(297)	500	400(410)	470	1050	650	1040	1140
KW-4027	191	276	465	410	279	659	323	544	584
KW-4038	191	276	465	410	395	842	506	650	795
KW-4049	191	276	465	410	511	1057	722	774	1044
KW-5027	291	376	565	510	279	659	323	544	584
KW-5038	291	376	565	510	395	842	506	650	795
KW-5049	291	376	565	510	511	1057	722	774	1044
KW-6027	391	476	665	610	279	659	323	544	584
KW-6038	391	476	665	610	395	842	506	650	795
KW-6049	391	476	665	610	511	1057	722	774	1044

KM –Rear Screen–

The KM-series is a rear screen type automatic bar screen designed for screening wastewater. The wetted metal parts are made of 304 stainless steel. One or two rakes move on the screen bars that are located at the rear side of the unit. It has an innovative dry chain mechanism by which the chain or sprocket does not get contact with the liquid. In addition, the use of a small output motor enables to save the electricity. It is suitable for use in a waterway where there is little change in the liquid level.



REAR Fine Screen (Bar Spacing: 2.0 - 5.0mm)

Model	Motor Output HP	Bar Spacing mm			Overall Height in	Width of Waterway Min - Max in	Installation Angle	Dry Weight lbs
		Capacity GPM						
		2.0mm	2.5mm	5.0mm				
KM-200S	1/7	110	123	172	28 3/8	11 13/16 - 15 3/4	55°	73
KM-200M	1/7	110	123	172	35 13/16	11 13/16 - 15 3/4	55°	82
KM-200L	1/7	110	123	172	43 11/16	11 13/16 - 15 3/4	55°	88
KM-250S	1/7	141	167	233	28 3/8	13 3/4 - 17 11/16	55°	75
KM-250M	1/7	141	167	233	35 13/16	13 3/4 - 17 11/16	55°	84
KM-250L	1/7	141	167	233	43 11/16	13 3/4 - 17 11/16	55°	90
KM-300S	1/7	176	203	282	28 3/8	15 3/4 - 19 11/16	55°	77
KM-300M	1/7	176	203	282	35 13/16	15 3/4 - 19 11/16	55°	86
KM-300L	1/7	176	203	282	43 11/16	15 3/4 - 19 11/16	55°	93
KMS-300S	1/7	—	—	277	34 1/4	15 3/4 - 19 11/16	60°	93
KMS-300M	1/7	—	—	277	47 13/16	15 3/4 - 19 11/16	60°	110
KMS-300L	1/7	—	—	277	61 7/16	15 3/4 - 19 11/16	60°	126

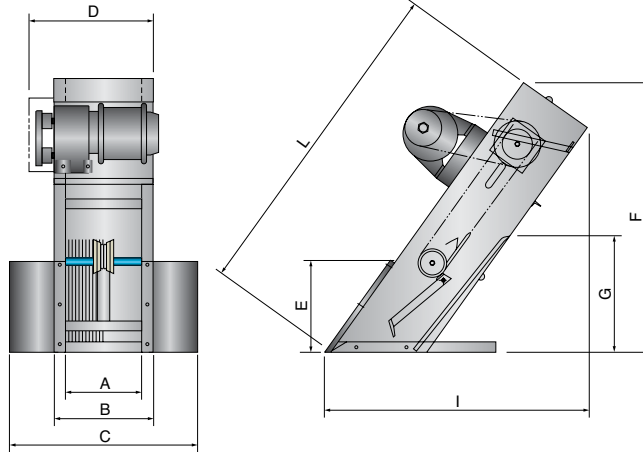
REAR Coarse Screen (Bar Spacing: 10 - 50mm)

Model	Motor Output HP	Bar Spacing mm					Overall Height in	Width of Waterway Min - Max in	Installation Angle	Dry Weight lbs
		Capacity GPM								
		10mm	20mm	30mm	40mm	50mm				
KMA-200S	1/7	167	198	207	216	220	28 3/8	11 13/16 - 15 3/4	55°	33
KMA-200M	1/7	167	198	207	216	220	35 13/16	11 13/16 - 15 3/4	55°	37
KMA-200L	1/7	167	198	207	216	220	43 11/16	11 13/16 - 15 3/4	55°	40
KMA-250S	0.1	211	247	260	269	62	28 3/8	13 3/4 - 17 11/16	55°	34
KMA-250M	1/7	211	247	260	269	62	35 13/16	13 3/4 - 17 11/16	55°	38
KMA-250L	1/7	211	247	260	269	62	43 11/16	13 3/4 - 17 11/16	55°	41
KMA-300S	1/7	255	295	313	326	348	28 3/8	15 3/4 - 19 11/16	55°	35
KMA-300M	1/7	255	295	313	326	348	35 13/16	15 3/4 - 19 11/16	55°	39
KMA-300L	1/7	255	295	313	326	348	43 11/16	15 3/4 - 19 11/16	55°	42
KMS-300S	1/7	330	392	392	418	440	34 1/4	15 3/4 - 19 11/16	60°	42
KMS-300M	1/7	330	392	392	418	440	47 13/16	15 3/4 - 19 11/16	60°	50
KMS-300L	1/7	330	392	392	418	440	61 7/16	15 3/4 - 19 11/16	60°	57

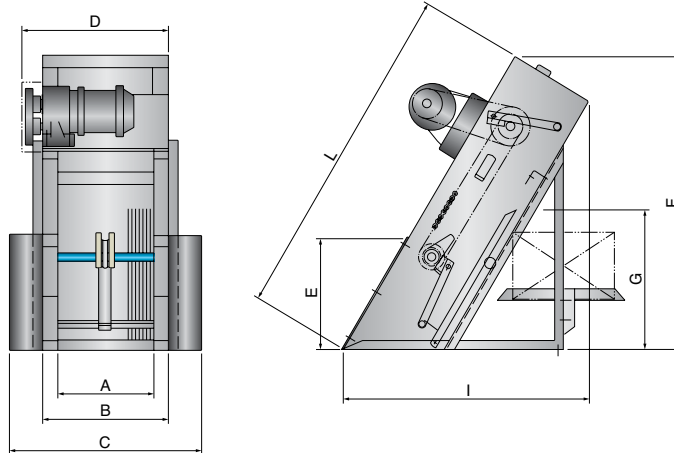
- Powered by three-phase totally-enclosed geared motor.
- Capacity is given as the maximum amount of clean water.
- Consult your dealer if the screen is to be installed in a waterway of a width exceeding that listed on the table.
- When ordering, specify the desired bar spacing together with the model name.

Dimensions

KM-200S KMA-200S
KM-200M KMA-200M
KM-200L KMA-200L
KM-250S KMA-250S
KM-250M KMA-250M
KM-250L KMA-250L
KM-300S KMA-300S
KM-300M KMA-300M
KM-300L KMA-300L



KMS-300S
KMS-300M
KMS-300L



Unit: mm

Model	Effective Width A	Width of Frame B	Overall Width C	Max. Width of Upper Part D	Max. Water Level E	Overall Height F	Discharge Level of Solids G	Space I	Overall Length of Frame L
KM-200S	200	253	460	310	250	720	310	670	868
KM-200M	200	253	460	310	250	910	475	800	1102
KM-200L	200	253	460	310	250	1110	670	945	1352
KM-250S	250	303	510	360	250	720	310	670	868
KM-250M	250	303	510	360	250	910	475	800	1102
KM-250L	250	303	510	360	250	1110	670	945	1352
KM-300S	300	353	560	410	250	720	310	670	868
KM-300M	300	353	560	410	250	910	475	800	1102
KM-300L	300	353	560	410	250	1110	670	945	1352
KMA-200S	200	253	460	310	250	720	310	670	868
KMA-200M	200	253	460	310	250	910	475	800	1102
KMA-200L	200	253	460	310	250	1110	670	945	1352
KMA-250S	250	303	510	360	250	720	310	670	868
KMA-250M	250	303	510	360	250	910	475	800	1102
KMA-250L	250	303	510	360	250	1110	670	945	1352
KMA-300S	300	353	560	410	250	720	310	670	868
KMA-300M	300	353	560	410	250	910	475	800	1102
KMA-300L	300	353	560	410	250	1110	670	945	1352
KMS-300S	284	368	570	420	200	870	400	830	1000
KMS-300M	284	368	570	420	200	1215	730	996	1400
KMS-300L	284	368	570	420	200	1560	1040	1150	1800

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