

TARNOS



Vibrating Screen Model CH

The leading brand in vibration



Manufacturing Licences

FMC
Syntron®

**Steel Plants
Aggregates**

**Mining
Wood
Recycling**

Extra-heavy duty construction for high tonnage sizing and scalping of large lump size materials in aggregate, mining and coke industries.

The **Model CH** Vibrating Screen efficiently sizes and scalps medium-to-large size materials. Its extra-heavy duty construction and high capacity have led to broad acceptance in a variety of aggregate, mining and coal industries.

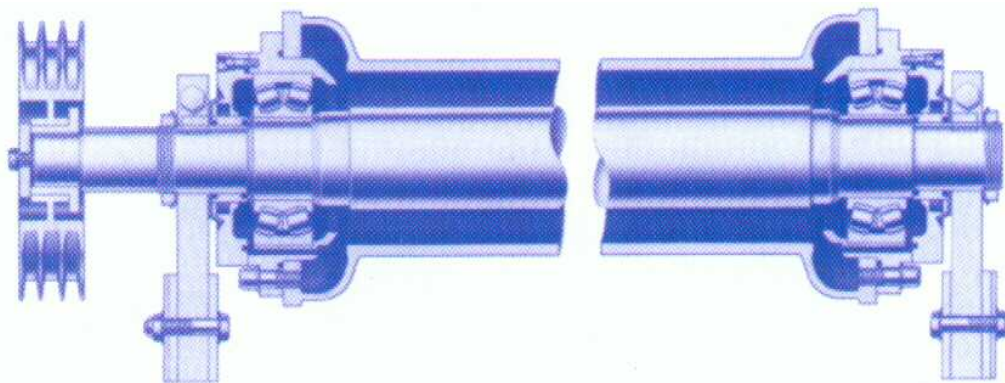
The CH Vibrating Screen may be floor mounted or suspension mounted; however, floor-mounted models are advised when handling large lumps or heavy materials. A spring-loaded snubbing device is furnished as standard equipment with floor-mounted units to prevent excessive resonant motion during starting and stopping.



The improved CH vibrator design utilizes two rugged, self-contained double roll bearing assemblies. Each double row, self-aligning spherical roller bearing is cartridge mounted and sealed from abrasive and corrosive materials. Bearings receive direct oil bath lubrication from housing reservoir. An optional grease lubrication system can be provided if preferred. The improved design of the vibrator unbalanced weights permits faster minor stroke adjustment. Vibrator weight guards are furnished as standard equipment.

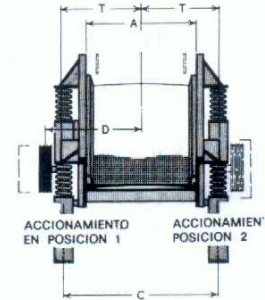
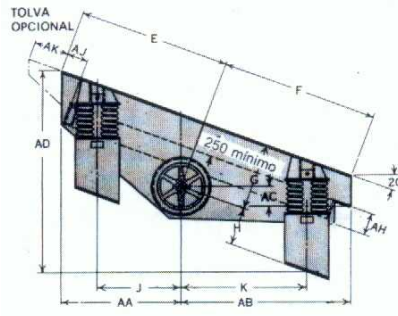
The CH Vibrating Screen is available in one, two or three-deck models with a variety of screening surfaces including perforated plate decks, screen cloth and grizzly bar decks. Accessory equipment includes washing troughs or repulping decks, bouncing ball decks, electrically heated screen cloths and total dust enclosures.

Model CH Vibrator



Specifications and Dimensions in mm.

Model CH, One deck

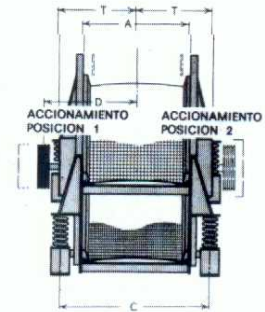
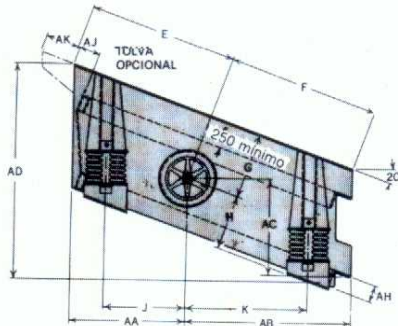
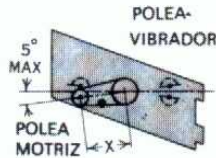


Screen Size	C.V.	RPM	Vibr. Wt. Kg.	A	C	D	E	F	G	H	J	K	T	X	Z	AA	AB	AC	AD	AH	AJ	AK
CH 1412	5,5	1.040	1.660	1.219	1.676	920	2.057	1.905	724	380	1.302	1.562	800	845	1	1.686	2.037	335	2.359	197	229	381
CH 1414	5,5	1.040	1.870	1.219	1.676	920	2.261	2.311	724	420	1.489	1.946	800	845	2	1.877	2.419	475	2.603	197	229	381
CH 1510	5,5	1.040	1.680	1.524	1.981	1.075	1.651	1.702	724	380	921	1.372	950	845	1	1.304	1.847	260	2.150	184	229	381
CH 1512	7,5	1.040	1.935	1.524	1.981	1.075	2.057	1.905	724	420	1.298	1.565	950	845	2	1.686	2.037	335	2.390	197	229	381
CH 1514	7,5	1.040	2.100	1.524	1.981	1.075	2.261	2.311	724	420	1.489	1.946	950	845	2	1.877	2.419	475	2.603	197	229	381
CH 1516	7,5	1.040	2.385	1.524	1.981	1.075	2.667	2.515	724	420	1.870	2.137	950	845	2	2.258	2.611	545	2.813	184	229	381
CH 1612	7,5	1.040	2.060	1.829	2.286	1.225	2.057	1.905	724	420	1.298	1.565	1.105	845	2	1.686	2.037	335	2.390	197	229	381
CH 1614	7,5	1.040	2.240	1.829	2.286	1.225	2.261	2.311	724	420	1.489	1.946	1.105	845	2	1.877	2.419	475	2.603	197	229	381
CH 1616	7,5	1.040	2.535	1.829	2.286	1.225	2.667	2.515	724	420	1.870	2.137	1.105	845	2	2.258	2.611	545	2.803	197	229	381
CH 1618	10	920	2.900	1.829	2.286	1.315	2.870	2.921	749	445	2.060	2.524	1.140	845	2	2.440	3.002	650	3.080	197	229	381
CH 1620	15	920	3.115	1.829	2.286	1.315	3.277	3.124	749	445	2.442	2.815	1.140	845	2	2.823	3.192	722	3.290	197	229	381
CH 1716	15	920	4.085	2.134	2.590	1.465	2.718	2.515	800	545	1.864	2.143	1.290	845	2	2.281	2.636	468	3.048	260	279	406
CH 1718	15	920	4.300	2.134	2.590	1.465	2.921	2.921	800	445	2.060	2.524	1.290	845	2	2.471	3.019	589	3.143	260	279	406
CH 1720	20	825	4.945	2.134	2.590	1.545	3.327	3.124	825	570	2.429	2.727	1.305	845	2	2.844	3.218	652	3.518	362	279	406
CH 1816	15	920	4.330	2.438	2.896	1.615	2.718	2.515	800	545	1.864	2.143	1.440	845	2	2.281	2.636	468	3.048	260	279	406
CH 1818	20	825	4.755	2.438	2.896	1.695	2.921	2.921	825	470	2.048	2.537	1.460	845	2	2.463	3.027	583	3.200	260	279	406
CH 1820	25	825	5.215	2.438	2.896	1.695	3.327	3.124	825	570	2.429	2.727	1.460	845	2	2.844	3.218	652	3.518	362	279	406

Z: Number of springs per bracket.

Allow 50 mm. vertical and 35 mm. horizontal clearance unless otherwise shown.

Model CH, Two deck



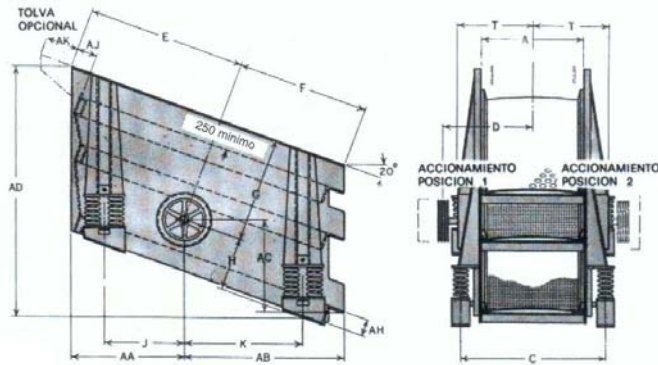
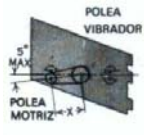
Screen Size	C.V.	RPM	Vibr. Wt. Kg.	A	C	D	E	F	G	H	J	K	T	X	Z	AA	AB	AC	AD	AH	AJ	AK
CH 2410	7,5	1.040	2.420	1.219	1.676	920	1.651	1.702	724	660	918	1.375	800	845	2	1.304	1.847	1.166	2.445	171	229	381
CH 2412	7,5	1.040	2.695	1.219	1.676	920	2.057	1.905	724	660	1.298	1.565	800	845	2	1.686	2.037	1.236	2.654	171	229	381
CH 2414	15	920	3.285	1.219	1.676	1.010	2.261	2.311	749	660	1.489	1.946	835	845	2	1.868	2.428	1.376	2.857	171	229	381
CH 2510	7,5	1.040	2.780	1.524	1.981	1.075	1.659	1.702	724	660	918	1.375	950	845	2	1.304	1.847	1.166	2.445	171	229	381
CH 2512	15	920	3.335	1.524	1.981	1.160	2.057	1.905	749	635	1.289	1.575	985	845	2	1.677	2.046	1.213	2.654	171	229	381
CH 2514	15	920	3.720	1.524	1.981	1.160	2.261	2.311	749	660	1.489	1.946	985	845	2	1.868	2.428	1.376	2.857	171	229	381
CH 2516	15	920	4.105	1.524	1.981	1.160	2.667	2.515	749	660	1.864	2.143	985	845	2	2.250	2.619	1.446	3.092	171	229	381
CH 2612	15	920	3.940	1.829	2.286	1.315	2.057	1.905	749	660	1.292	1.572	1.140	845	2	1.677	2.046	1.243	2.680	171	229	381
CH 2614	15	920	3.985	1.829	2.286	1.315	2.261	2.311	749	660	1.489	1.946	1.140	845	2	1.868	2.428	1.376	2.857	171	229	381
CH 2616	20	825	4.685	1.829	2.286	1.390	2.667	2.525	775	635	1.854	2.153	1.155	845	2	2.241	2.628	1.422	3.092	171	229	381
CH 2618	25	825	5.020	1.829	2.286	1.390	2.870	2.921	775	675	2.048	2.537	1.215	845	3	2.432	3.010	1.611	3.353	171	229	381
CH 2620	25	825	5.410	1.829	2.286	1.390	3.277	3.124	775	675	2.429	2.727	1.215	845	3	2.814	3.201	1.681	3.537	171	229	381
CH 2716	25	825	6.285	2.134	2.590	1.545	2.718	2.515	825	725	1.851	2.156	1.305	845	2	2.272	2.645	1.472	3.264	222	279	406
CH 2718	40	725	6.995	2.134	2.590	1.545	2.921	2.921	850	700	2.038	2.546	1.390	845	3	2.454	3.036	1.585	3.473	222	279	406
CH 2720	40	725	7.690	2.134	2.590	1.545	3.327	3.124	850	795	2.410	2.746	1.390	845	3	2.836	3.226	1.757	3.785	222	279	406
CH 2816	40	725	7.000	2.438	2.896	1.695	2.718	2.515	850	700	1.841	2.165	1.545	845	3	2.263	2.654	1.448	3.264	222	279	406
CH 2818	40	725	7.495	2.438	2.896	1.695	2.921	2.921	850	795	2.029	2.556	1.545	845	3	2.454	3.036	1.687	3.575	222	279	406
CH 2820	50	650	8.555	2.438	2.896	1.720	3.327	3.124	876	770	2.400	2.756	1.560	875	3	2.827	3.235	1.734	3.785	222	279	406

Z: Number of springs per bracket.

Allow 50 mm. vertical and 35 mm. horizontal clearance unless otherwise shown.

Specifications and Dimensions in mm.

Model CH, three deck



Screen Size	C.V.	RPM	Vibr. Wt. Kg.	A	C	D	E	F	G	H	J	K	T	X	Z	AA	AB	AC	AD	AH	AJ	AK
CH 3410	15	920	3.455	1.219	1.676	1.010	1.837	1.518	1.257	635	914	1.378	835	845	2	1.295	1.855	1.143	2.985	171	229	381
CH 3412	15	920	3.910	1.219	1.676	1.010	2.242	1.721	1.257	660	1.292	1.572	835	845	2	1.677	2.047	1.243	3.225	171	229	381
CH 3414	20	825	4.720	1.219	1.676	1.085	2.445	2.127	1.283	675	1.476	1.959	850	845	2	1.859	2.437	1.395	3.467	171	229	381
CH 3510	15	920	3.995	1.524	1.981	1.160	1.835	1.518	1.257	635	914	1.378	985	845	2	1.295	1.855	1.143	2.985	171	229	381
CH 3512	20	825	4.785	1.524	1.981	1.240	2.242	1.721	1.283	635	1.283	1.581	1.000	845	2	1.668	2.056	1.219	3.225	171	229	381
CH 3514	25	825	5.370	1.524	1.981	1.240	2.245	2.127	1.283	675	1.476	1.959	1.000	845	2	1.857	2.437	1.395	3.467	171	229	381
CH 3516	30	725	6.050	1.524	1.981	1.235	2.851	2.330	1.308	650	1.848	2.159	1.090	845	3	2.232	2.636	1.441	3.683	171	229	381
CH 3612	25	825	5.120	1.829	2.286	1.390	2.242	1.721	1.283	635	1.283	1.581	1.155	845	2	1.668	2.056	1.219	3.225	171	229	381
CH 3614	30	725	6.085	1.829	2.286	1.390	2.445	2.127	1.308	650	1.467	1.968	1.240	845	3	1.850	2.446	1.372	3.467	171	229	381
CH 3616	30	725	6.460	1.829	2.286	1.390	2.815	2.330	1.306	650	1.848	2.159	1.240	845	3	2.232	2.636	1.441	3.683	171	229	381
CH 3618	40	725	7.205	1.829	2.286	1.390	3.054	2.737	1.308	745	2.640	2.542	1.240	845	3	2.422	3.020	1.681	3.995	171	229	381
CH 3620	40	725	7.820	1.829	2.286	1.390	3.461	2.940	1.308	745	2.421	2.732	1.240	845	2	2.805	3.210	1.751	4.200	171	229	381
CH 3716	50	650	9.430	2.134	2.642	1.565	2.902	2.330	1.384	770	1.822	2.181	1.410	875	2	2.254	2.662	1.525	3.908	222	279	406
CH 3718	50	650	10.040	2.134	2.642	1.565	3.105	2.737	1.384	770	2.019	2.565	1.410	875	2	2.444	3.046	1.664	4.115	222	279	406
CH 3720	50	825	11.540	2.134	2.642	1.545	3.512	2.940	1.384	770	2.400	2.756	1.410	845	2	2.827	3.236	1.732	4.325	222	279	406
CH 3816	50	650	9.990	2.438	2.946	1.720	2.902	2.330	1.384	770	1.826	2.181	1.560	875	2	2.254	2.662	1.525	3.908	222	279	406
CH 3818	50	825	11.280	2.438	2.946	1.695	3.105	2.737	1.384	770	2.019	2.565	1.560	845	2	2.444	3.046	1.664	4.115	222	279	406
CH 3820	50	825	12.220	2.438	2.946	1.695	3.512	2.940	1.384	770	2.394	2.756	1.560	845	2	2.827	3.236	1.732	4.325	222	279	406

Z: Number of springs per bracket.

Allow 50 mm. vertical and 35 mm. horizontal clearance unless otherwise shown.

Model, CH Dust-Tight Enclosures

All CH Vibrating Screen models can be supplied with dust-tight enclosures. Each enclosure is completely isolated from vibration to maintain its structural integrity and avoid the need for flexible connections at feed and discharge points. Feed chutes and discharge chutes are furnished with flange connections for easy attachment to other chutes and conveyors. Enclosures contain easily removed, light weight sectionalized panels for servicing the screens. The enclosure is designed to give total access to tension bolts and support springs while still retaining a complete enclosure around the screen. Dust tight enclosures are available for all CH models and are available in either the trelleborg rubber of the all metal designs.



CAUTION: These units are to be installed, operated and maintained in accordance with accompanying Service Instructions. Failure to follow these instructions may result in harm to people and/or things

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VIBRATING FEEDERS-SCREENS-VIBRATING SIEVES-CONVEYORS-SPIRAL FEEDERS-
VIBRATING TABLES-FOUNDRY SHAKEOUTS-FLOW SWITCHES-BIN VIBRATORS-TRAVELLING
WATER SCREENS