

FENNER C series geared motor size 873



Modern design techniques and high quality components enable the Fenner series C helical worm gear unit to outperform any other gearbox in terms of lowest cost/Nm. The series C right angle range provides a highly efficient and compact solution with ratios from 8:1 to 13.500:1 and up to 10.000Nm.

Characteristics

Series: C

Type of gearbox: Helical Worm

Size: 873

Mounting position: B3

Construction

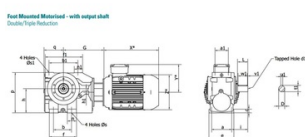
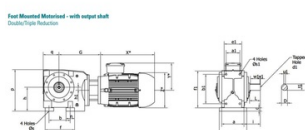
- Dimensionally interchangeable with other manufacturers
- Highly efficient gearing, saving energy and running costs
- Innovative motor adaptor uses standard IEC interface
- Oil tight gearhead enables motor removal without spillage
- Foot, Flange or shaft mounting

Application

- Ratios from 8:1 to 13,500:1
- Up to 10,000Nm
- Up to 45kW
- 8 sizes in range
- Shaft diameters from 20mm to 90mm

Approval

- ATEX certification available



Type of gearbox	Size	Motor power	Speed	Output Torque	Rated torque	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft	Article
		kW		Nm	Nm				mm	
Helical Worm	873	0.18	2	462	766	1.66	580	4	45	873A5502
Helical Worm	873	0.18	2	607	766	1.26	765	4	45	873A5602
Helical Worm	873	0.18	2	677	766	1.13	870	4	45	873A5702
Helical Worm	873	0.18	3	413	766	1.85	514	4	45	873A5402
Helical Worm	873	0.18	3	433	766	1.77	449	4	45	873A5302
Helical Worm	873	0.18	4	273	766	2.81	328	4	45	873A5002
Helical Worm	873	0.18	4	293	766	2.61	357	4	45	873A5102
Helical Worm	873	0.18	4	386	766	1.98	395	4	45	873A5202
Helical Worm	873	0.18	5	263	766	2.91	266	4	45	873A4802
Helical Worm	873	0.18	5	296	766	2.59	299	4	45	873A4902
Helical Worm	873	0.18	6	203	766	3.77	240	4	45	873A2702
Helical Worm	873	0.25	2	669	766	1.14	580	4	45	873A5506
Helical Worm	873	0.25	3	552	766	1.39	395	4	45	873A5206
Helical Worm	873	0.25	3	596	766	1.29	514	4	45	873A5406
Helical Worm	873	0.25	3	622	766	1.23	449	4	45	873A5306
Helical Worm	873	0.25	4	389	766	1.97	328	4	45	873A5006
Helical Worm	873	0.25	4	417	766	1.84	357	4	45	873A5106
Helical Worm	873	0.25	5	372	766	2.06	266	4	45	873A4806
Helical Worm	873	0.25	5	420	766	1.82	299	4	45	873A4906
Helical Worm	873	0.25	6	258	766	2.97	214	4	45	873A2606
Helical Worm	873	0.25	6	288	766	2.66	240	4	45	873A2706

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Type of gearbox	Size	Motor power kW	Speed	Output Torque Nm	Rated torque Nm	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft mm	Article
Max. 200 articles in the table										
Helical Worm	873	0.25	7	260	766	2.95	184	4	45	873A4506
Helical Worm	873	0.25	8	242	766	3.17	169	4	45	873A4406
Helical Worm	873	0.25	11	178	530	2.98	124	4	45	873A2306
Helical Worm	873	0.37	4	562	766	1.36	328	4	45	873A5008
Helical Worm	873	0.37	4	618	766	1.24	357	4	45	873A5108
Helical Worm	873	0.37	4	794	766	0.96	395	4	45	873A5208
Helical Worm	873	0.37	5	551	766	1.39	266	4	45	873A4808
Helical Worm	873	0.37	5	608	766	1.26	299	4	45	873A4908
Helical Worm	873	0.37	6	382	766	2.01	214	4	45	873A2608
Helical Worm	873	0.37	6	426	766	1.8	240	4	45	873A2708
Helical Worm	873	0.37	7	385	766	1.99	184	4	45	873A4508
Helical Worm	873	0.37	8	358	766	2.14	169	4	45	873A4408
Helical Worm	873	0.37	9	287	766	2.67	156	4	45	873A2508
Helical Worm	873	0.37	10	265	766	2.89	143	4	45	873A2408
Helical Worm	873	0.37	11	264	530	2.01	124	4	45	873A2308
Helical Worm	873	0.37	12	238	748	3.14	110	4	45	873A2208
Helical Worm	873	0.37	17	176	766	4.35	80	4	45	873A1908
Helical Worm	873	0.55	5	788	766	0.97	266	4	45	873A4816
Helical Worm	873	0.55	6	611	766	1.25	240	4	45	873A2716
Helical Worm	873	0.55	7	551	766	1.39	214	4	45	873A2616
Helical Worm	873	0.55	9	413	766	1.85	156	4	45	873A2516
Helical Worm	873	0.55	10	378	766	2.03	143	4	45	873A2416
Helical Worm	873	0.55	11	378	530	1.4	124	4	45	873A2316
Helical Worm	873	0.55	13	342	748	2.19	110	4	45	873A2216
Helical Worm	873	0.55	14	268	766	2.86	97	4	45	873A2116
Helical Worm	873	0.55	15	252	766	3.04	91	4	45	873A2016
Helical Worm	873	0.55	17	254	766	3.02	80	4	45	873A1916
Helical Worm	873	0.55	19	230	766	3.33	73	4	45	873A1816
Helical Worm	873	0.55	22	182	721	3.96	64	4	45	873A1716
Helical Worm	873	0.75	6	833	766	0.92	240	4	45	873A2718
Helical Worm	873	0.75	7	705	766	1.09	201	4	45	873A4618
Helical Worm	873	0.75	7	751	766	1.02	214	4	45	873A2618
Helical Worm	873	0.75	8	699	766	1.1	169	4	45	873A4418
Helical Worm	873	0.75	9	563	766	1.36	156	4	45	873A2518
Helical Worm	873	0.75	10	516	766	1.48	143	4	45	873A2418
Helical Worm	873	0.75	11	471	766	1.63	130	4	45	873A4218
Helical Worm	873	0.75	11	516	530	1.03	124	4	45	873A2318
Helical Worm	873	0.75	13	467	748	1.6	110	4	45	873A2218
Helical Worm	873	0.75	14	365	766	2.1	97	4	45	873A2118
Helical Worm	873	0.75	15	343	766	2.23	91	4	45	873A2018
Helical Worm	873	0.75	17	346	766	2.21	80	4	45	873A1918
Helical Worm	873	0.75	19	314	766	2.44	73	4	45	873A1818
Helical Worm	873	0.75	22	248	721	2.91	64	4	45	873A1718
Helical Worm	873	0.75	25	216	698	3.23	55	4	45	873A1618
Helical Worm	873	0.75	28	220	709	3.22	50	4	45	873A1518
Helical Worm	873	0.75	30	206	695	3.37	47	4	45	873A1418
Helical Worm	873	1.1	10	761	766	1.01	147	4	45	873A4324
Helical Worm	873	1.1	11	672	766	1.14	130	4	45	873A4224
Helical Worm	873	1.1	13	669	748	1.12	110	4	45	873A2224
Helical Worm	873	1.1	15	525	766	1.46	97	4	45	873A2124
Helical Worm	873	1.1	16	494	766	1.55	91	4	45	873A2024

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Type of gearbox	Size	Motor power	Speed	Output Torque	Rated torque	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft	Article
		kW		Nm	Nm				mm	Max. 200 articles in the table
Helical Worm	873	1.1	18	496	766	1.54	80	4	45	873A1924
Helical Worm	873	1.1	20	451	766	1.7	73	4	45	873A1824
Helical Worm	873	1.1	22	357	721	2.02	64	4	45	873A1724
Helical Worm	873	1.1	26	311	698	2.24	55	4	45	873A1624
Helical Worm	873	1.1	29	315	709	2.25	50	4	45	873A1524
Helical Worm	873	1.1	30	296	695	2.35	47	4	45	873A1424
Helical Worm	873	1.1	36	230	651	2.83	40	4	45	873A1324
Helical Worm	873	1.1	40	205	637	3.11	35	4	45	873A1224
Helical Worm	873	1.1	43	212	623	2.94	33	4	45	873A1124
Helical Worm	873	1.1	51	164	611	3.73	28	4	45	873A1024
Helical Worm	873	1.1	57	147	594	4.04	25	4	40	873Z0924
Helical Worm	873	1.1	57	147	594	4.04	25	4	45	873A0924
Helical Worm	873	1.1	69	135	531	3.93	20	4	40	873Z0724
Helical Worm	873	1.1	69	135	531	3.93	20	4	45	873A0724
Helical Worm	873	1.5	15	715	766	1.07	97	4	45	873A2128
Helical Worm	873	1.5	16	674	766	1.14	91	4	45	873A2028
Helical Worm	873	1.5	18	676	766	1.13	80	4	45	873A1928
Helical Worm	873	1.5	20	615	766	1.25	73	4	45	873A1828
Helical Worm	873	1.5	22	487	721	1.48	64	4	45	873A1728
Helical Worm	873	1.5	26	424	698	1.65	55	4	45	873A1628
Helical Worm	873	1.5	29	430	709	1.65	50	4	45	873A1528
Helical Worm	873	1.5	30	404	695	1.72	47	4	45	873A1428
Helical Worm	873	1.5	36	314	651	2.07	40	4	45	873A1328
Helical Worm	873	1.5	40	279	637	2.28	35	4	45	873A1228
Helical Worm	873	1.5	43	289	623	2.16	33	4	45	873A1128
Helical Worm	873	1.5	51	223	611	2.74	28	4	45	873A1028
Helical Worm	873	1.5	57	200	594	2.97	25	4	40	873Z0928
Helical Worm	873	1.5	57	200	594	2.97	25	4	45	873A0928
Helical Worm	873	1.5	64	180	579	3.22	22	4	40	873Z0828
Helical Worm	873	1.5	64	180	579	3.22	22	4	45	873A0828
Helical Worm	873	1.5	69	184	531	2.89	20	4	40	873Z0728
Helical Worm	873	1.5	69	184	531	2.89	20	4	45	873A0728
Helical Worm	873	1.5	78	163	508	3.12	18	4	40	873Z0628
Helical Worm	873	1.5	78	163	508	3.12	18	4	45	873A0628
Helical Worm	873	1.5	90	129	517	4.01	15	4	40	873Z0528
Helical Worm	873	1.5	90	129	517	4.01	15	4	45	873A0528
Helical Worm	873	1.5	99	129	466	3.61	14	4	40	873Z0428
Helical Worm	873	1.5	99	129	466	3.61	14	4	45	873A0428
Helical Worm	873	1.5	111	115	446	3.88	12	4	40	873Z0328
Helical Worm	873	1.5	111	115	446	3.88	12	4	45	873A0328
Helical Worm	873	2.2	22	720	721	1	64	4	45	873A1736
Helical Worm	873	2.2	26	627	698	1.11	55	4	45	873A1636
Helical Worm	873	2.2	28	638	709	1.11	50	4	45	873A1536
Helical Worm	873	2.2	30	599	695	1.16	47	4	45	873A1436
Helical Worm	873	2.2	35	466	651	1.4	40	4	45	873A1336
Helical Worm	873	2.2	40	413	637	1.54	35	4	45	873A1236
Helical Worm	873	2.2	43	427	623	1.46	33	4	45	873A1136
Helical Worm	873	2.2	51	331	611	1.85	28	4	45	873A1036
Helical Worm	873	2.2	57	296	594	2.01	25	4	40	873Z0936
Helical Worm	873	2.2	57	296	594	2.01	25	4	45	873A0936
Helical Worm	873	2.2	64	266	579	2.18	22	4	40	873Z0836

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Type of gearbox	Size	Motor power	Speed	Output Torque	Rated torque	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft	Article
		kW		Nm	Nm				mm	Max. 200 articles in the table
Helical Worm	873	2.2	64	266	579	2.18	22	4	45	873A0836
Helical Worm	873	2.2	68	272	531	1.95	20	4	40	873Z0736
Helical Worm	873	2.2	68	272	531	1.95	20	4	45	873A0736
Helical Worm	873	2.2	77	241	508	2.11	18	4	40	873Z0636
Helical Worm	873	2.2	77	241	508	2.11	18	4	45	873A0636
Helical Worm	873	2.2	90	192	517	2.69	15	4	40	873Z0536
Helical Worm	873	2.2	90	192	517	2.69	15	4	45	873A0536
Helical Worm	873	2.2	98	191	466	2.44	14	4	40	873Z0436
Helical Worm	873	2.2	98	191	466	2.44	14	4	45	873A0436
Helical Worm	873	2.2	110	171	446	2.61	12	4	40	873Z0336
Helical Worm	873	2.2	110	171	446	2.61	12	4	45	873A0336
Helical Worm	873	2.2	123	153	427	2.79	11	4	40	873Z0236
Helical Worm	873	2.2	123	153	427	2.79	11	4	45	873A0236
Helical Worm	873	2.2	173	109	372	3.41	8	4	40	873Z0136
Helical Worm	873	2.2	173	109	372	3.41	8	4	45	873A0136
Helical Worm	873	3	30	819	695	0.85	47	4	45	873A1438
Helical Worm	873	3	35	637	651	1.02	40	4	45	873A1338
Helical Worm	873	3	40	565	637	1.13	35	4	45	873A1238
Helical Worm	873	3	42	586	623	1.06	33	4	45	873A1138
Helical Worm	873	3	50	453	611	1.35	28	4	45	873A1038
Helical Worm	873	3	57	405	594	1.47	25	4	45	873A0938
Helical Worm	873	3	63	364	579	1.59	22	4	40	873Z0838
Helical Worm	873	3	63	364	579	1.59	22	4	45	873A0838
Helical Worm	873	3	68	372	531	1.43	20	4	40	873Z0738
Helical Worm	873	3	68	372	531	1.43	20	4	45	873A0738
Helical Worm	873	3	77	330	508	1.54	18	4	40	873Z0638
Helical Worm	873	3	77	330	508	1.54	18	4	45	873A0638
Helical Worm	873	3	89	263	517	1.97	15	4	40	873Z0538
Helical Worm	873	3	89	263	517	1.97	15	4	45	873A0538
Helical Worm	873	3	98	262	466	1.78	14	4	40	873Z0438
Helical Worm	873	3	98	262	466	1.78	14	4	45	873A0438
Helical Worm	873	3	110	234	446	1.91	12	4	40	873Z0338
Helical Worm	873	3	110	234	446	1.91	12	4	45	873A0338
Helical Worm	873	3	123	209	427	2.04	11	4	40	873Z0238
Helical Worm	873	3	123	209	427	2.04	11	4	45	873A0238
Helical Worm	873	3	173	150	372	2.48	8	4	40	873Z0138
Helical Worm	873	3	173	150	372	2.48	8	4	45	873A0138
Helical Worm	873	4	40	744	637	0.86	35	4	45	873A1246
Helical Worm	873	4	43	770	623	0.81	33	4	45	873A1146
Helical Worm	873	4	51	596	611	1.03	28	4	45	873A1046
Helical Worm	873	4	57	533	594	1.11	25	4	45	873A0946
Helical Worm	873	4	64	479	579	1.21	22	4	40	873Z0846
Helical Worm	873	4	64	479	579	1.21	22	4	45	873A0846
Helical Worm	873	4	69	489	531	1.09	20	4	40	873Z0746
Helical Worm	873	4	69	489	531	1.09	20	4	45	873A0746
Helical Worm	873	4	78	433	508	1.17	18	4	40	873Z0646
Helical Worm	873	4	78	433	508	1.17	18	4	45	873A0646
Helical Worm	873	4	90	345	517	1.5	15	4	40	873Z0546
Helical Worm	873	4	90	345	517	1.5	15	4	45	873A0546
Helical Worm	873	4	99	344	466	1.35	14	4	40	873Z0446
Helical Worm	873	4	99	344	466	1.35	14	4	45	873A0446

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Type of gearbox	Size	Motor power kW	Speed	Output Torque Nm	Rated torque Nm	Service Factor (maximum)	Gear Ratio	Number of poles	Diameter output shaft mm	Article
Helical Worm	873	4	111	307	446	1.45	12	4	40	873Z0346
Helical Worm	873	4	111	307	446	1.45	12	4	45	873A0346
Helical Worm	873	4	125	275	427	1.55	11	4	40	873Z0246
Helical Worm	873	4	125	275	427	1.55	11	4	45	873A0246
Helical Worm	873	4	175	197	372	1.89	8	4	40	873Z0146
Helical Worm	873	4	175	197	372	1.89	8	4	45	873A0146
Helical Worm	873	5.5	58	723	594	0.82	25	4	45	873A0954
Helical Worm	873	5.5	65	649	579	0.89	22	4	40	873Z0854
Helical Worm	873	5.5	65	649	579	0.89	22	4	45	873A0854
Helical Worm	873	5.5	79	588	508	0.86	18	4	40	873Z0654
Helical Worm	873	5.5	79	588	508	0.86	18	4	45	873A0654
Helical Worm	873	5.5	92	468	517	1.1	15	4	40	873Z0554
Helical Worm	873	5.5	92	468	517	1.1	15	4	45	873A0554
Helical Worm	873	5.5	100	466	466	1	14	4	40	873Z0454
Helical Worm	873	5.5	100	466	466	1	14	4	45	873A0454
Helical Worm	873	5.5	113	416	446	1.07	12	4	40	873Z0354
Helical Worm	873	5.5	113	416	446	1.07	12	4	45	873A0354
Helical Worm	873	5.5	126	373	427	1.14	11	4	40	873Z0254
Helical Worm	873	5.5	126	373	427	1.14	11	4	45	873A0254
Helical Worm	873	5.5	177	267	372	1.39	8	4	40	873Z0154
Helical Worm	873	5.5	177	267	372	1.39	8	4	45	873A0154
Helical Worm	873	7.5	126	510	427	0.84	11	4	40	873Z0256
Helical Worm	873	7.5	126	510	427	0.84	11	4	45	873A0256
Helical Worm	873	7.5	177	365	372	1.02	8	4	40	873Z0156
Helical Worm	873	7.5	177	365	372	1.02	8	4	45	873A0156

Max. 200 articles in the table

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