



MOTORISED UNITS SELECTION PROCEDURE

(a) Service Factor

From Table 1 select the Mechanical Service Factor (Fm) applicable to the drive. If the unit is to be subjected to frequent stop/starts in excess of 10 times per day then multiply factor Fm by Factor Fs from table 2.

(b) Motor Power

Refer to the selection tables on pages 144 to 155 and choose a motor power equal to or in excess of that required, if the motor power is not known then from the formula below determine the power requirements of the driven machine and select a motor power in excess of the calculated machine absorbed power.

$$PA = T \times N \div 9550$$

PA = Machine absorbed power (kW)
 T = Machine absorbed torque (Nm)
 N = Machine speed (Rev/Min)

(c) Unit Selection

Refer to the selection tables on pages 144 to 155 and choose a motor power equal to or closest above that calculated in step (b). Then read down the column headed "Nominal Output Speed" until a speed equal to or near to the required speed is found. On this line read across to the service factor column and check that the service factor exceeds the value from step (a). If the service factor is either lower or much higher than that required check the speeds at each side of the required speed to see if a more suitable unit and factor can be found.

(d) Overhung and Thrust Loading

If an indirect drive is used between the gearmotor and the driven machine, then the overhung load should be calculated using one of the formula on page 169. This value should be compared with the maximum allowable value given in column 5 of the selection tables. If the value exceeds the maximum allowed, then either re-design the indirect drive or select a larger unit capable of supporting the overhung load.

EXAMPLE 1

A Series M foot mounted gearmotor is required to drive a uniformly loaded mixer using a 4 kW electric motor at 88 rev/min. The mixer operates 8 hours a day and stops and starts every hour. A coupling is to be used to connect the gearmotor to the mixer.

(a) Service Factor

From table 1 below the service factor for a Uniformly Loaded Mixer is 1.0. The mixer stops and starts every hour therefore the stop/start factor is 1.0

(b) Motor Power

Series M gearmotor units fitted with 4 kW motors are described on page 149.

(c) Unit Selection

Reading down the column headed "Nominal Output Speed", it is found that there are two unit selections at 88 rev/min, at the first one of these read across to the maximum service factor column, it can be seen that the unit size 862A2046 has a service factor of 1.07. This

exceeds the 1.00 service factor required and therefore is suitable for the application. The fourth digit letter A signifies a foot mounted unit, therefore the code is correct for the unit required. If another mounting style is required a different letter is used in place of the A, for details see page 171.

(d) Overhung and Thrust Loading

As no external loads are present, no further checks are necessary.

EXAMPLE 2

A non-uniformly loaded conveyor absorbs 1600 Nm at the head shaft which has to rotate at 52 rev/min. A 2:1 chain-drive utilising 83-19 and 83-38 sprockets connects the head shaft drum to a foot mounted gearmotor.

The conveyor stops and starts 4 times a day. Select a suitable size Series M gearmotor for over 16 hours a day.

(a) Service Factor

From table 1 below the Service Factor is 1.50. From table 2 the starting factor is 1.00.

(b) Motor Power

As the motor power is not known, it is necessary to calculate the power requirements of the driven machine from the following formula:

$$\text{Machined absorbed power} = \frac{1600 \times 52}{9550} = 8.71 \text{ kW}$$

The nearest motor is an 11.0kW motor and is found on page 150.

(c) Unit Selection

Reading down the column headed "Nominal Output Speed" it is found that 100 rev/min is nearest to the required output speed of 104 rev/min and by referring to the column headed by Maximum Service Factor the only gearmotor selection at this speed has a service factor of 2.46 which is more than adequate for the application. The code for this selection is seen to be 865A1966. As the service factors for the two units at speeds above and below 100 rev/min are inadequate for the application the 865A1966 is selected.

(d) Overhung and Thrust Loading

As the 83-19 sprocket will impose a radial load on the gearmotor output shaft, it is necessary to calculate its value by using the formulae below.

$$\begin{aligned} \text{Overhung load} &= \frac{\text{Torque} \times 1000 \times K}{r} \\ &= \frac{800 \times 1000 \times 1.0}{77.16} \\ &= 10368 \text{ N.} \end{aligned}$$

The maximum overhung load value for 865A1966 unit selected is 21675N which exceeds the value calculated above and is therefore suitable for the application.

TABLE 1 - MECHANICAL SERVICE FACTOR FM

Types of Driven Machine	Operational hours per day		
	under 3	3 to 10	over 10
Uniform Loads Agitators and Mixers – liquid or semi-liquid Blowers – centrifugal Bottling Machines Conveyors and Elevators – uniformly loaded Cookers Laundry Washing Machines – non-reversing Line Shafts Pumps – centrifugal and gear Wire Drawing Machines	0.80	1.00	1.25
Moderate Shock Loads Agitators and Mixers – variable density Conveyors – not uniformly loaded Cranes, travel motion and hoisting Drawbench Feeders – pulsating load Hoists Kilns Laundry Tumblers Lifts Pumps – reciprocating with 3 or more cylinders Pulp and Paper Making Machinery Rubber Mixers and Calenders Screens – rotary Textile Machinery	1.00	1.25	1.50
Heavy Shock Loads Brick Presses Briquetting Machines Conveyors – reciprocating and shaker Crushers Feeders – reciprocating Hammer Mills Pumps – reciprocating, 1 or 2 cylinders Rubber Masticators Screens – vibrating	1.5	1.75	2.00

For High Inertia Applications, consult your authorised distributor for verification of selection

* See page 252 for notes on reducing service factors

TABLE 2 - STARTING SERVICE FACTOR FS

Factor Fs	Start/stops per hour					
	Up to 1	5	10	40	60	>200
	1.00	1.03	1.06	1.10	1.15	1.20

Fenner Series M Motorised Selection

0.18 KW MOTOR

Double reduction units are shown in normal typeface **Bold typeface indicates triple reduction units**
See page 171 for fourth digit of code and page 251 for motor details.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
365	4	13.10	860A0902	1681
270	6	11.00	860A1002	1778
238	6	10.20	860A1102	1826
210	7	9.50	860A1202	1856
178	9	8.07	860A1005	1874
164	10	7.80	860A1402	1873
152	10	7.40	860A1502	1872
138	12	6.61	860A1205	1874
121	13	6.10	860A1702	1874
106	15	5.60	860A1802	1874
93	17	5.00	860A1902	1854
84	19	4.50	860A2002	1890
79	21	4.27	860A1705	1822
76	21	4.10	860A2102	1877
69	24	3.70	860A2202	1852
59	28	3.20	860A2302	1881
55	30	2.97	860A2005	1786
49	33	2.70	860A2502	1819
42	39	2.30	860A2602	1878
38	43	2.10	860A2702	1854
38	43	3.70	801A2702	4000
33	50	3.20	801A2902	4000
33	50	3.96	861A2902	4000
31	52	1.60	860A2902	1890
29	56	2.80	801A3002	4000
29	56	3.57	861A3002	4000
27	60	1.20	860A3002	1849
26	64	2.50	801A3102	3956
26	64	3.19	861A3102	4000
25	66	1.35	860A2705	1540
24	68	1.00	860A3102	1900
24	68	2.40	801A4402	4000
24	68	3.07	861A4402	4000
23	69	1.30	860A4402	1724
22	76	2.09	801A2905	3824
22	75	2.10	801A4502	4000
22	76	2.69	861A2905	4000
22	75	2.78	861A4502	4000
21	80	1.05	860A2905	1496
21	76	1.20	860A4502	1590
20	82	1.90	801A4602	4000
20	82	2.53	861A4602	3743
19	84	1.10	860A4602	1780
19	86	1.85	801A3005	3706
19	86	2.41	861A3005	4000
19	88	3.82	802A4602	7200
17	98	1.63	801A3105	3571
17	96	1.70	801A4702	3913
17	98	2.09	861A3105	4000
17	96	2.16	861A4702	3913
17	96	3.51	802A4702	7200
16	98	0.90	860A4702	1450
14	115	1.40	801A4902	4000
14	115	1.81	861A4902	3654
14	115	2.93	802A4902	7200
14	115	3.89	862A4902	7200
12	134	1.20	801A5002	3976
12	134	1.55	861A5002	3976
12	138	2.45	802A5002	7102
12	138	3.25	862A5002	7200
11	149	1.10	801A5102	4000
11	149	1.40	861A5102	3718
10	155	2.17	802A5102	7200
10	155	2.89	862A5102	7200
9.0	180	0.90	801A5302	4000
9.0	180	1.15	861A5302	3173
9.0	180	1.87	802A5302	7178
9.0	181	2.48	862A5302	6660
8.5	192	3.24	803A5302	7200
8.5	205	1.65	802A5402	7034
8.5	205	2.19	862A5402	6902
7.9	206	1.02	861A5402	3420
7.3	224	2.79	803A5402	7200
7.0	233	1.45	802A5502	7200

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
7.0	233	1.93	862A5502	6628
6.9	234	0.89	861A5502	2660
6.4	254	2.46	803A5502	7200
5.9	276	1.22	802A5305	6295
5.9	276	1.63	862A5305	6195
5.6	293	2.13	803A5305	7200
5.2	312	1.08	802A5405	5901
5.2	313	1.44	862A5405	5820
4.8	342	1.83	803A5405	7200
4.6	354	0.95	802A5505	6203
4.6	355	1.27	862A5505	5274
4.2	387	1.61	803A5505	6215

0.25 KW MOTOR				
Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
373	6	9.62	860A0906	1670
276	8	8.07	860A1006	1764
243	9	7.53	860A1106	1810
214	10	6.95	860A1206	1829
168	13	5.75	860A1406	1841
156	14	5.41	860A1506	1840
123	18	4.48	860A1706	1845
109	21	4.09	860A1806	1845
95	24	3.70	860A1906	1800
86	26	3.33	860A2006	1879
78	29	3.02	860A2106	1850
70	32	2.75	860A2206	1796
60	38	2.34	860A2306	1860
53	43	3.68	801A2506	4000
50	45	1.96	860A2506	1724
44	52	3.07	801A2606	4000
43	53	1.68	860A2606	1853
39	59	1.52	860A2706	1802
39	58	2.73	801A2706	4000
39	58	3.57	861A2706	3837
34	68	2.35	801A2906	4000
34	68	2.91	861A2906	3921
32	71	1.17	860A2906	1880
30	77	2.07	801A3006	4000
30	77	2.63	861A3006	3496
28	81	0.88	860A3006	1790
26	87	1.82	801A3106	3906
26	87	2.34	861A3106	3941
25	92	0.97	860A2707	1121
25	92	1.73	801A4406	4000
25	91	1.75	801A2707	3712
25	92	2.26	861A4406	3884
25	91	2.30	861A2707	3695
24	94	0.95	860A4406	1520
24	94	3.56	802A4406	7200
22	103	0.87	860A4506	1230
22	106	1.51	801A2907	3619
22	102	1.57	801A4506	4000
22	106	1.94	861A2907	3562
22	102	2.05	861A4506	3772
22	104	3.23	802A4506	7200
20	112	1.43	801A4606	4000
20	112	1.86	861A4606	3443
19	120	1.33	801A3007	3365
19	120	1.73	861A3007	3508
19	120	2.81	802A4606	7191
19	120	3.73	862A4606	7200
17	136	1.17	801A3107	3071
17	131	1.22	801A4706	3812
17	136	1.51	861A3107	3419
17	131	1.59	861A4706	3812
17	130	2.58	802A4706	7171
17	131	3.43	862A4706	7200
15	156	2.16	802A4906	7200
15	157	2.87	862A4906	6902
14	157	1.02	801A4906	4000
14	157	1.33	861A4906	3251
14	162	3.86	803A4906	7200
12	183	0.87	801A5006	3950
12	183	1.14	861A5006	3950

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
12	187	1.80	802A5006	6988
12	188	2.39	862A5006	6965
12	194	3.22	803A5006	7200
11	203	1.03	861A5106	3390
11	211	1.60	802A5106	7200
11	211	2.12	862A5106	6764
10	232	2.69	803A5106	7200
9.2	245	0.85	861A5306	2209
9.2	245	1.37	802A5306	7153
9.2	246	1.83	862A5306	6030
8.7	262	2.39	803A5306	7200
8.1	278	1.21	802A5406	6841
8.1	279	1.61	862A5406	6555
7.5	305	2.05	803A5406	7200
7.2	317	1.07	802A5506	7200
7.2	317	1.42	862A5506	5962
6.9	328	1.03	802A5107	6144
6.9	329	1.37	862A5107	5841
6.6	346	1.81	803A5506	7200
6.3	362	1.73	803A5107	6562
5.9	383	0.88	802A5307	5239
5.9	383	1.17	862A5307	5023
5.6	408	1.53	803A5307	6914
5.2	434	1.03	862A5407	4280
4.8	475	1.32	803A5407	6375
4.6	493	0.91	862A5507	3331
4.2	538	1.16	803A5507	5067

0.37 KW MOTOR				
Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
373	9	6.50	860A0908	1652
276	12	5.45	860A1008	1740
243	14	5.09	860A1108	1782
214	15	4.70	860A1208	1782
168	20	3.89	860A1408	1787
156	22	3.65	860A1508	1785
123	27	3.03	860A1708	1795
109	31	2.77	860A1808	1795
95	35	2.50	860A1908	1708
86	39	2.25	860A2008	1860
80	42	3.73	801A2108	4000
78	43	2.04	860A2108	1804
70	48	1.86	860A2208	1702
69	49	3.24	801A2208	4000
64	53	2.97	801A2308	4000
64	53	3.89	861A2308	3856
60	56	1.58	860A2308	1824
53	64	2.49	801A2508	3963
53	64	3.26	861A2508	3681
50	67	1.32	860A2508	1562
44	77	2.08	801A2608	4000
44	77	2.71	861A2608	3727
43	78	1.14	860A2608	1810
39	87	1.03	860A2708	1710
39	86	1.85	801A2708	4000
39	86	2.41	861A2708	3560
34	100	1.59	801A2908	4000
34	102	1.97	861A2908	3786
33	103	0.87	860A2512	795
30	114	1.40	801A3008	4000
30	114	1.77	861A3008	3533
29	119	3.76	862A2612	7200
26	129	1.23	801A3108	3819
26	130	1.58	861A3108	3840
26	130	3.44	862A2712	7200
25	136	1.17	801A4408	4000
25	136	1.53	861A4408	3686
24	140	2.41	802A4408	7087
24	141	3.18	862A4408	7200
22	153	1.04	801A2912	3267
22	151	1.06	801A4508	4000
22	153	1.34	861A2912	2812
22	151	1.38	861A4508	3383
22	154	2.18	802A4508	7200
22	155	2.90	862A4508	7200

GEARED DRIVES (EUROPEAN MOUNTING)

Fenner Series M Motorised Selection

Other motor and ratio combinations than those shown in the Selection tables are available.
For advice consult your local Authorised Distributor.



Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
21	160	2.54	862A2912	7200
20	174	0.92	801A3012	2779
20	166	0.96	801A4608	4000
20	173	1.20	861A3012	2666
20	166	1.26	861A4608	2930
19	178	1.90	802A4608	7176
19	178	2.13	862A3012	7200
19	178	2.52	862A4608	6687
19	173	3.60	803A4508	7200
18	192	3.24	803A4608	7200
17	197	0.81	801A3112	2215
17	194	0.82	801A4708	3640
17	197	1.04	861A3112	2423
17	194	1.08	861A4708	3640
17	199	1.35	862A3112	7200
17	193	1.75	802A4708	7123
17	193	2.32	862A4708	7005
16	216	3.99	863A4412	10000
15	232	1.46	802A4908	7200
15	232	1.94	862A4908	6393
15	220	2.13	803A3112	7200
15	220	2.84	803A4708	7200
15	231	3.76	863A4512	10000
14	232	0.90	861A4908	2560
14	240	2.61	803A4908	7200
13	252	0.83	861A4612	1674
12	277	1.22	802A5008	6793
12	278	1.62	862A5008	6563
12	287	2.17	803A5008	7200
12	291	2.98	863A4712	10000
12	274	3.16	863A4612	10000
11	312	1.08	802A5108	7200
11	313	1.44	862A5108	6028
10	344	1.82	803A5108	7200
9.3	361	2.40	863A4912	10000
9.2	363	0.93	802A5308	7110
9.2	364	1.23	862A5308	4950
8.7	388	1.61	803A5308	7200
8.1	412	0.82	802A5408	6510
8.1	413	1.09	862A5408	5960
7.9	426	2.04	863A5012	10000
7.5	451	1.39	803A5408	7200
7.2	469	0.96	862A5508	4820
7.2	466	1.86	863A5112	10000
6.6	512	1.22	803A5508	7200
6.1	555	0.81	862A5312	3013
5.9	569	1.54	863A5312	10000
5.7	590	1.06	803A5312	6424
5.3	635	1.39	863A5412	8970
4.9	688	0.91	803A5412	4961
4.7	711	1.25	863A5512	7760
4.3	779	0.80	803A5512	3099

0.55 KW MOTOR

379	13	4.43	860A0916	1625
280	18	3.72	860A1016	1705
246	20	3.47	860A1116	1740
218	23	3.21	860A1216	1711
170	29	2.65	860A1416	1706
158	32	2.49	860A1516	1703
127	39	3.63	801A1716	4000
125	40	2.07	860A1716	1720
115	44	3.35	801A1816	4000
110	46	1.89	860A1816	1720
102	50	3.04	801A1916	4000
102	50	3.85	861A1916	4000
97	52	1.70	860A1916	1570
89	57	2.80	801A2016	4000
89	56	3.60	861A2016	3972
87	58	1.54	860A2016	1831
81	62	2.55	801A2116	3942
81	62	3.31	861A2116	3934
79	64	1.39	860A2116	1736
71	70	1.27	860A2216	1558

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
70	72	2.21	801A2216	3885
70	72	2.88	861A2216	3798
65	78	2.03	801A2316	4000
65	78	2.65	861A2316	3719
61	82	1.08	860A2316	1770
54	94	1.70	801A2516	3908
54	93	2.23	861A2516	3380
52	97	3.44	802A2516	7200
51	99	0.90	860A2516	1320
46	109	0.82	860A2217	603
45	112	1.42	801A2616	4000
45	112	1.85	861A2616	3469
44	115	2.94	802A2616	7200
44	115	3.90	862A2616	7200
40	126	1.26	801A2716	4000
40	127	1.65	861A2716	3143
40	125	2.69	802A2716	7200
40	125	3.58	862A2716	7200
34	147	1.08	801A2916	4000
34	148	1.34	861A2916	3584
33	154	2.19	802A2916	7200
33	154	2.30	862A2916	7200
30	167	0.95	801A3016	4000
30	167	1.21	861A3016	3091
29	171	1.98	802A3016	7200
29	171	2.12	862A3016	7200
27	190	0.84	801A3116	3690
27	190	1.08	861A3116	3690
27	190	2.76	803A3016	7200
26	196	0.82	801A2717	2481
26	195	1.07	861A2717	2391
26	191	1.41	802A3116	7200
26	191	1.41	862A3116	7200
25	200	1.04	861A4416	3390
24	205	1.64	802A4416	6917
24	207	2.17	862A4416	6869
24	212	2.21	803A3116	7200
24	208	3.61	863A4416	10000
23	221	0.94	861A4516	2800
23	221	3.47	863A4516	10000
22	228	0.90	861A2917	1687
22	227	1.49	802A4516	7200
22	227	1.98	862A4516	6652
22	231	3.75	863A2917	10000
21	243	0.86	861A4616	2160
21	237	1.42	802A2917	6266
21	237	1.71	862A2917	6249
21	241	2.60	803A2917	7200
20	258	0.81	861A3017	1403
20	254	2.46	803A4516	7200
19	264	1.28	802A3017	6393
19	261	1.29	802A4616	7154
19	264	1.43	862A3017	6053
19	261	1.72	862A4616	5918
19	266	2.63	863A3017	10000
19	263	3.10	863A4616	10000
18	283	1.19	802A4716	7050
18	284	1.58	862A4716	6714
18	282	2.21	803A4616	7200
18	280	2.97	863A4716	10000
17	296	0.91	802A3117	6939
17	296	0.91	862A3117	6678
17	294	1.85	803A3017	7200
17	294	2.02	863A3117	10000
16	318	1.06	802A4417	4951
16	322	1.94	803A4716	7200
15	340	0.99	802A4916	7200
15	340	1.32	862A4916	5629
15	328	1.43	803A3117	6908
14	350	0.96	802A4517	5849
14	351	1.28	862A4517	4710
14	351	1.78	803A4916	7200
14	348	2.49	863A4916	10000
12	407	0.83	802A5016	6500

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
12	408	1.10	862A5016	5960
12	422	1.48	803A5016	7200
12	409	2.12	863A5016	10000
12	419	3.94	864A5016	20000
11	459	0.98	862A5116	4900
11	447	1.94	863A5116	10000
11	461	3.58	864A5116	20000
10	505	1.24	803A5116	7200
9.4	534	0.84	862A5316	3329
9.1	548	1.58	863A5316	10000
8.9	565	2.92	864A5316	20000
8.8	568	1.10	803A5316	7200
8.2	611	1.42	863A5416	9140
8.1	617	2.67	864A5416	20000
7.6	662	0.95	803A5416	7200
7.3	684	1.27	863A5516	7940
7.0	707	2.33	864A5516	20000
6.7	751	0.83	803A5516	7200
6.4	781	0.80	803A5117	3831
6.3	791	3.12	865A5217	29600
5.9	846	1.03	863A5317	5591
5.7	876	1.88	864A5317	20000
5.7	875	2.82	865A5317	29500
5.3	945	0.94	863A5417	4721
5.3	952	1.73	864A5417	20000
4.7	1057	0.84	863A5517	4084
4.6	1093	1.51	864A5517	20000

0.75 KW MOTOR

377	18	3.24	860A0918	1596
279	24	2.72	860A1018	1665
246	28	2.54	860A1118	1694
217	32	2.34	860A1218	1633
177	39	3.47	801A1418	4000
169	40	1.94	860A1418	1616
157	44	1.82	860A1518	1612
156	44	3.14	801A1518	4000
156	44	3.76	861A1518	4000
127	55	1.51	860A1718	1636
127	54	2.65	801A1718	4000
127	54	3.28	861A1718	4000
114	60	2.45	801A1818	4000
114	60	3.07	861A1818	4000
110	63	1.38	860A1818	1636
102	68	2.22	801A1918	4000
102	69	2.81	861A1918	4000
96	72	1.25	860A1918	1417
89	78	2.04	801A2018	3968
89	77	2.63	861A2018	3957
86	79	1.12	860A2018	1800
81	85	3.64	802A2118	6430
80	85	1.86	801A2118	3878
80	85	2.42	861A2118	3898
78	88	1.02	860A2118	1660
71	96	0.93	860A2218	1400
70	99	1.61	801A2218	3757
70	99	2.11	861A2218	3689
69	100	3.16	802A2218	6750
64	107	1.48	801A2318	4000
64	107	1.94	861A2318	3568
64	107	2.99	802A2318	6880
63	110	0.81	860A1923	678
54	128	1.24	801A2518	3847
54	128	1.63	861A2518	3045
52	133	2.51	802A2518	7052
52	134	3.36	862A2518	6723
45	154	1.04	801A2618	4000
45	154	1.35	861A2618	3182
44	157	2.15	802A2618	7124
44	157	2.85	862A2618	6875
42	165	0.97	801A2323	3023
42	165	3.77	803A2618	7200
40	173	0.92	801A2718	4000
40	173	1.20	861A2718	2680

Fenner Series M Motorised Selection

Double reduction units are shown in normal typeface **Bold typeface indicates triple reduction units**
See page 171 for fourth digit of code and page 251 for motor details.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
40	172	1.96	802A2718	7147
40	172	2.62	862A2718	6769
36	194	3.21	803A2718	7200
35	198	0.81	801A2523	2141
34	202	0.98	861A2918	3360
34	205	3.04	803A2523	7200
33	211	1.60	802A2918	6970
33	210	1.68	862A2918	6865
32	213	2.93	803A2918	7200
30	229	0.88	861A3018	2600
29	237	0.88	861A2623	1521
29	234	1.44	802A3018	7178
29	234	1.55	862A3018	6658
29	235	2.97	863A3018	10000
27	255	2.45	803A2623	7200
26	262	1.03	802A3118	7200
26	262	1.03	862A3118	7200
26	260	2.02	803A3018	7200
26	261	2.28	863A3118	10000
24	281	1.20	802A4418	6729
24	283	1.59	862A4418	6502
24	291	1.61	803A3118	7200
24	285	2.64	863A4418	9458
23	300	2.08	803A2723	7010
23	303	2.54	863A4518	9349
22	310	1.09	802A4518	7200
22	311	1.44	862A4518	6044
22	315	2.75	863A2923	9183
21	324	1.04	802A2923	5229
21	324	1.25	862A2923	5192
21	328	1.90	803A2923	6813
20	348	1.80	803A4518	7200
19	360	0.94	802A3023	5497
19	357	0.95	802A4618	7130
19	360	1.05	862A3023	4778
19	358	1.26	862A4618	5064
19	363	1.93	863A3023	9043
19	359	2.26	863A4618	9454
18	388	0.87	802A4718	6970
18	389	1.16	862A4718	6390
18	386	1.61	803A4618	7200
18	383	2.17	863A4718	9288
17	401	1.35	803A3023	7193
17	402	1.48	863A3123	9208
16	416	3.72	864A3123	20000
15	466	0.97	862A4918	4780
15	447	1.05	803A3123	6584
15	441	1.42	803A4718	7200
14	481	1.30	803A4918	7200
14	476	1.82	863A4918	8661
14	493	3.34	864A4918	20000
12	577	1.08	803A5018	7200
12	560	1.55	863A5018	8450
12	573	2.88	864A5018	19337
11	612	1.42	863A5118	7996
11	630	2.62	864A5118	19051
10	691	0.91	803A5118	7200
10	700	3.53	865A5218	29600
9.2	741	0.84	803A4923	3882
9.1	751	1.16	863A5318	6910
8.8	773	2.13	864A5318	19410
8.8	771	3.20	865A5318	29600
8.1	837	1.04	863A5418	5530
8.1	845	1.95	864A5418	18989
7.9	870	3.28	865A5023	29500
7.3	936	0.93	863A5518	3899
7.2	960	2.98	865A5123	29500
7.0	968	1.70	864A5518	18252
6.3	1079	2.29	865A5223	29442
5.7	1195	1.38	864A5323	17044
5.7	1193	2.07	865A5323	29330
5.3	1299	1.27	864A5423	16406
4.6	1491	1.11	864A5523	15789

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
1.1 KW MOTOR				
393	25	3.88	801A0924	3750
376	26	2.20	860A0924	1543
280	36	3.19	801A1024	3950
280	36	3.73	861A1024	3920
278	36	1.85	860A1024	1596
254	40	3.02	801A1124	4000
254	39	3.51	861A1124	3970
245	41	1.72	860A1124	1613
224	45	2.79	801A1224	3992
224	45	3.24	861A1224	3990
216	47	1.59	860A1224	1496
176	57	2.36	801A1424	4000
176	57	2.78	861A1424	4000
169	60	1.32	860A1424	1459
157	65	1.24	860A1524	1452
155	65	2.13	801A1524	4000
155	65	2.55	861A1524	4000
124	82	1.03	860A1724	1490
126	80	1.80	801A1724	4000
126	80	2.23	861A1724	4000
114	89	1.66	801A1824	4000
114	89	2.09	861A1824	4000
112	90	3.13	802A1824	5720
109	92	0.94	860A1824	1490
100	102	1.51	801A1924	4000
100	102	1.91	861A1924	4000
96	106	0.85	860A1924	1150
97	105	2.80	802A1924	5940
88	115	1.39	801A2024	3913
88	114	1.79	861A2024	3931
86	117	2.60	802A2024	6130
86	117	3.82	862A2024	5743
81	125	2.48	802A2124	6229
81	125	3.58	862A2124	5832
80	126	1.26	801A2124	3767
80	126	1.64	861A2124	3836
70	145	1.10	801A2224	3534
70	145	1.43	861A2224	3498
68	148	2.15	802A2224	6512
68	148	3.02	862A2224	6042
64	158	1.02	801A2324	4000
64	158	1.32	861A2324	3303
64	158	2.03	802A2324	6624
64	159	2.83	862A2324	5957
55	184	3.39	803A2324	7200
53	189	0.84	801A2524	3740
53	189	1.11	861A2524	2459
52	196	1.71	802A2524	6794
52	197	2.28	862A2524	6188
52	196	3.18	803A2524	7200
45	227	0.92	861A2624	2680
44	231	1.46	802A2624	6991
44	232	1.94	862A2624	6307
44	231	3.63	863A2624	9517
42	241	0.87	861A2327	2340
42	244	2.56	803A2624	7200
40	255	0.82	861A2724	1870
40	253	1.33	802A2724	7055
40	253	1.78	862A2724	6025
40	252	3.35	863A2724	9379
35	286	2.18	803A2724	7200
33	310	1.09	802A2924	6568
33	310	1.14	862A2924	6279
33	302	2.86	863A2924	9338
32	314	1.99	803A2924	7200
29	344	0.98	802A3024	7140
29	345	1.05	862A3024	5712
29	347	2.02	863A3024	9397
26	386	0.87	802A2727	5074
26	386	1.17	802A2727	4327
26	383	1.37	803A3024	7200
26	385	1.55	863A3124	10000
25	399	3.85	864A3124	20000
24	414	0.82	802A4424	6400
24	417	1.08	862A4424	5860

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
24	428	1.10	803A3124	7200
24	420	1.79	863A4424	8510
23	438	1.43	803A2727	6680
23	427	3.74	864A4424	20000
22	458	0.98	862A4524	4980
22	446	1.72	863A4524	8210
22	460	1.88	863A2927	7755
21	473	0.86	802A2927	3343
21	479	1.31	803A2927	6136
21	486	3.39	864A2927	20000
21	470	3.51	864A4524	20000
20	513	1.22	803A4524	7200
19	526	0.85	862A4624	3570
19	529	1.32	863A3027	7370
19	529	1.54	863A4624	8500
19	530	3.11	864A4624	20000
19	530	3.11	864A3027	20000
18	568	1.10	803A4624	7200
18	564	1.48	863A4724	8043
17	585	0.93	803A3027	7182
17	586	1.02	863A3127	7823
17	608	2.55	864A3127	18720
17	598	2.76	864A4724	20000
15	649	0.96	803A4724	7200
15	669	3.69	865A3227	29600
15	669	3.94	865A4824	29600
14	708	0.88	803A4924	7200
14	702	1.24	863A4924	6317
14	726	2.27	864A4924	18631
14	739	3.57	865A4924	29600
13	751	3.23	865A3327	29600
12	825	1.05	863A5024	5740
12	844	1.95	864A5024	18177
12	831	3.44	865A5024	29500
11	900	0.96	863A5124	4490
11	928	1.78	864A5124	17391
11	919	3.11	865A5124	29500
10	1031	2.40	865A5224	29413
9.4	1070	0.81	863A4927	3539
9.0	1109	3.76	866A5324	49600
8.8	1138	1.45	864A5324	18378
8.8	1135	2.17	865A5324	29397
8.0	1244	1.33	864A5424	17221
7.9	1270	2.25	865A5027	29282
7.2	1401	2.04	865A5127	29258
7.1	1410	3.13	866A5127	49100
7.0	1424	1.16	864A5524	15194
6.8	1473	2.83	866A5227	49100
6.4	1575	1.57	865A5227	29166
5.9	1694	2.46	866A5327	48700
5.8	1744	0.95	864A5327	11871
5.8	1740	1.42	865A5327	29033
5.3	1895	0.87	864A5427	10117

Fenner Series M Motorised Selection

Other motor and ratio combinations than those shown in the Selection tables are available.
For advice consult your local Authorised Distributor.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
1.5 KW MOTOR				
396	34	2.87	801A0928	3728
396	34	3.38	861A0928	3690
379	36	1.63	860A0928	1484
282	49	2.36	801A1028	3917
282	48	2.76	861A1028	3898
280	49	1.36	860A1028	1517
256	54	2.23	801A1128	3967
256	54	2.59	861A1128	3948
246	56	1.27	860A1128	1521
225	61	2.06	801A1228	3984
225	61	2.40	861A1228	3982
218	63	1.18	860A1228	1340
184	75	3.59	802A1037	5180
178	78	1.74	801A1428	4000
178	78	2.06	861A1428	4000
170	81	0.97	860A1428	1280
164	85	3.36	802A1137	5270
158	88	0.91	860A1528	1270
156	88	1.57	801A1528	4000
156	89	1.89	861A1528	4000
146	95	3.08	802A1237	5360
127	108	1.33	801A1728	4000
127	108	1.65	861A1728	4000
115	120	1.23	801A1828	4000
115	120	1.54	861A1828	4000
113	122	2.31	802A1828	5611
113	122	3.47	862A1828	5158
102	137	1.12	801A1928	4000
102	137	1.41	861A1928	4000
97	142	2.07	802A1928	5814
97	143	3.15	862A1928	5238
89	156	1.03	801A2028	3850
89	155	1.32	861A2028	3902
87	159	1.92	802A2028	5915
87	159	2.82	862A2028	5630
82	170	1.83	802A2128	6000
82	170	2.64	862A2128	5710
81	171	0.93	801A2128	3640
81	171	1.21	861A2128	3764
79	176	3.37	803A2028	7200
70	197	0.81	801A2228	3280
70	197	1.06	861A2228	3280
70	197	3.17	803A2128	7200
69	202	1.59	802A2228	6240
69	202	2.23	862A2228	5869
66	210	2.97	803A2228	7200
65	214	0.97	861A2328	3000
65	215	1.50	802A2328	6333
65	215	2.09	862A2328	5651
61	226	3.59	863A2328	9023
56	249	2.51	803A2328	7200
54	256	0.82	861A2528	1789
53	262	3.14	863A2528	8800
52	265	1.26	802A2528	6499
52	267	1.68	862A2528	5575
52	266	2.35	803A2528	7200
44	313	1.08	802A2628	6840
44	314	1.43	862A2628	5658
44	313	2.68	863A2628	8966
42	330	1.89	803A2628	7200
40	342	0.99	802A2728	6950
40	342	1.31	862A2728	5153
40	342	2.47	863A2728	8670
36	388	1.61	803A2728	7200
34	409	2.11	863A2928	8583
33	420	0.80	802A2928	6110
33	420	0.84	862A2928	5610
33	426	1.47	803A2928	7200
32	432	3.82	864A2928	20000
29	483	0.93	862A2637	2754
29	470	1.49	863A3028	8708
29	471	3.50	864A3028	20000
27	519	1.02	803A3028	7200

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
26	526	0.85	862A2737	2754
26	521	1.14	863A3128	10000
26	536	3.75	865A3128	29700
25	541	2.85	864A3128	19737
24	580	0.81	803A3128	7200
24	568	1.33	863A4428	7426
24	579	2.76	864A4428	19600
23	597	1.05	803A2737	6301
23	604	1.27	863A4528	6908
22	628	1.38	863A2937	6122
22	636	2.59	864A4528	19310
21	654	0.96	803A2937	5363
21	663	2.49	864A2937	18642
21	668	3.70	865A3328	29600
20	694	0.90	803A4528	7200
19	722	0.97	863A3037	5457
19	717	1.14	863A4628	7410
19	723	2.28	864A3037	18360
19	717	2.30	864A4628	18882
18	764	1.09	863A4728	6620
17	829	1.87	864A3137	17258
17	810	2.04	864A4728	19178
17	822	2.37	865A3137	29600
17	797	3.58	865A4728	29600
15	913	2.70	865A3237	29472
15	906	2.91	865A4828	29462
14	949	0.91	863A4928	3640
14	983	1.68	864A4928	17066
14	1000	2.64	865A4928	29434
13	1025	2.37	865A3337	29372
13	1059	3.56	866A4928	49600
12	1143	1.44	864A5028	16851
12	1126	2.54	865A5028	29348
11	1257	1.31	864A5128	15494
11	1244	2.30	865A5128	29320
11	1250	3.53	866A5128	49300
10	1396	1.77	865A5228	29200
10	1303	3.19	866A5228	49300
9.1	1502	2.77	866A5328	48965
8.9	1541	1.07	864A5328	17200
8.9	1537	1.61	865A5328	29166
8.4	1630	2.31	866A4937	48700
8.2	1670	2.64	866A5037	48700
8.1	1684	0.98	864A5428	15200
7.9	1732	1.65	865A5037	29034
7.3	1858	3.42	867A5137	66800
7.2	1910	1.50	865A5137	28982
7.1	1923	2.29	866A5137	48200
7.0	1929	0.86	864A5528	11700
6.8	2009	2.07	866A5237	48136
6.7	2035	3.17	867A5237	66700
6.4	2148	1.15	865A5237	28851
6.0	2265	2.85	867A5337	66700
5.9	2310	1.81	866A5337	47734
5.8	2373	1.04	865A5337	28693
5.3	2547	2.49	867A5437	66600
5.0	2715	2.34	867A5537	66500
4.4	3113	2.07	867A5637	66400
4.4	3101	3.26	868A5637	80900
2.2 KW MOTOR				
398	51	3.96	802A0936	4526
396	51	1.95	801A0936	3690
396	51	2.31	861A0936	3690
379	53	1.11	860A0936	1380
283	71	3.29	802A1036	4718
282	72	1.61	801A1036	3860
282	71	1.88	861A1036	3860
280	72	0.93	860A1036	1380
256	79	1.52	801A1136	3910
256	79	1.77	861A1136	3910
252	80	3.09	802A1136	4800
246	82	0.87	860A1136	1360
225	90	1.41	801A1236	3970

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
225	89	1.63	861A1236	3970
225	90	2.89	802A1236	4881
178	114	1.19	801A1436	4000
178	114	1.40	861A1436	4000
177	115	2.51	802A1436	5024
177	115	3.90	862A1436	4843
156	130	1.07	801A1536	4000
156	130	1.29	861A1536	4000
156	130	2.29	802A1536	5095
156	130	3.44	862A1536	4915
152	134	3.53	803A1145	7200
136	150	3.39	803A1245	7200
131	156	1.99	802A1736	5179
131	156	2.88	862A1736	4998
127	159	0.91	801A1736	4000
127	159	1.12	861A1736	4000
121	168	3.03	803A1445	7200
115	176	0.84	801A1836	4000
115	177	1.05	861A1836	4000
114	178	1.58	802A1836	5420
114	179	2.37	862A1836	5026
106	193	3.18	803A1836	7200
102	202	0.96	861A1936	4000
99	205	3.69	863A1936	8331
98	208	1.42	802A1936	5594
98	208	2.15	862A1936	5026
95	214	2.77	803A1545	7200
92	222	2.37	803A1936	7200
89	227	0.90	861A2036	3850
88	232	3.39	863A2036	8633
87	232	1.31	802A2036	5539
87	233	1.93	862A2036	5431
84	243	2.50	803A1745	7200
84	243	3.18	863A1745	8620
82	248	1.25	802A2136	5598
82	248	1.81	862A2136	5497
81	251	0.83	861A2136	3640
79	258	2.31	803A2036	7200
79	256	3.10	863A2136	9020
76	267	2.96	863A1845	8440
71	288	2.17	803A2136	7200
69	293	1.09	802A2236	5764
69	294	1.53	862A2236	5567
69	293	2.74	863A2236	8833
66	307	2.03	803A2236	7200
66	307	2.63	863A1945	8126
65	314	1.03	802A2336	5822
65	314	1.43	862A2336	5113
61	333	1.58	803A1945	7200
61	330	2.46	863A2336	8092
58	349	1.29	862A2045	5700
58	348	2.35	863A2045	7790
56	364	1.72	803A2336	7200
55	373	1.21	862A2145	5750
53	383	2.15	863A2536	7680
52	388	0.86	802A2536	5983
52	390	1.15	862A2536	4504
52	389	1.61	803A2536	7200
52	390	3.48	864A2145	20000
47	433	1.44	803A2145	7200
46	442	1.02	862A2245	5060
46	439	1.90	863A2245	6963
46	442	3.30	864A2245	20000
44	459	0.98	862A2636	4522
44	457	1.84	863A2636	8002
43	471	0.95	862A2345	4450
43	469	3.47	864A2636	20290
42	483	1.30	803A2636	7200
41	500	1.69	863A2736	7430
41	500	3.08	864A2345	20000
40	502	0.90	862A2736	3645
39	515	3.20	864A2736	20215
36	567	1.10	803A2736	7200
34	598	1.44	863A2936	7261

Fenner Series M Motorised Selection

Double reduction units are shown in normal typeface **Bold typeface indicates triple reduction units**
 See page 171 for fourth digit of code and page 251 for motor details.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
34	604	2.73	864A2545	20000
33	622	1.02	803A2936	7200
32	631	2.61	864A2936	18821
32	634	3.89	865A2936	29615
29	687	1.02	863A3036	7502
29	689	2.39	864A3036	18617
29	699	3.46	865A3036	29617
28	724	0.86	803A2645	7200
27	749	1.16	863A2745	5217
26	790	1.95	864A3136	19279
26	783	2.56	865A3136	29563
24	846	1.89	864A4436	18900
24	847	3.06	865A4436	29523
23	897	0.97	863A2945	3265
23	870	2.84	865A3236	29546
22	930	1.77	864A4536	18103
21	947	1.74	864A2945	16267
21	976	2.53	865A3336	29429
21	939	2.81	865A4536	29423
20	1033	1.60	864A3045	15492
19	1049	1.57	864A4636	16927
19	1049	2.65	865A3045	29400
19	1049	2.72	865A4636	29429
18	1112	3.96	866A4736	49582
17	1184	1.31	864A3145	14699
17	1183	1.39	864A4736	17742
17	1174	1.66	865A3145	29390
17	1166	2.45	865A4736	29376
16	1304	1.89	865A3245	29250
15	1325	1.99	865A4836	29220
15	1346	2.80	866A4836	49102
14	1437	1.15	864A4936	14328
14	1464	1.66	865A3345	28975
14	1462	1.80	865A4936	29144
13	1548	2.43	866A4936	48771
13	1587	2.78	866A5036	48771
13	1588	4.00	867A5036	66923
12	1671	0.99	864A5036	14531
12	1645	1.74	865A5036	29082
11	1837	0.90	864A5136	12174
11	1818	1.57	865A5136	29006
11	1828	2.41	866A5136	48360
11	1768	3.59	867A5136	66826
10	2040	1.21	865A5236	28826
10	1904	2.18	866A5236	48326
10	1935	3.34	867A5236	66726
9.2	2155	3.00	867A5336	66730
9.1	2196	1.90	866A5336	47855
8.9	2247	1.10	865A5336	28762
8.6	2328	1.62	866A4945	46378
8.4	2385	1.85	866A5045	46425
8.2	2474	1.16	865A5045	28600
8.2	2425	2.62	867A5436	66636
7.7	2584	2.46	867A5536	66536
7.4	2728	1.05	865A5145	28500
7.3	2746	1.61	866A5145	46625
7.0	2870	1.45	866A5245	46450
6.8	2903	3.79	868A5536	80900
6.7	2957	2.18	867A5636	66442
6.7	2951	3.42	868A5636	80900
6.5	3067	0.81	865A5245	28300
6.1	3299	1.26	866A5345	46044
6.1	3234	2.00	867A5345	66373
6.1	3230	3.13	868A5345	80900
5.5	3638	1.75	867A5445	66232
5.2	3878	1.64	867A5545	66115
5.1	3894	2.82	868A5445	80900
4.6	4359	2.52	868A5545	80900
4.5	4446	1.45	867A5645	65962
4.5	4428	2.28	868A5645	80865

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
3.0 kW MOTOR				
398	69	2.91	802A0938	4476
283	98	2.41	802A1038	4648
283	98	3.87	862A1038	4395
260	107	2.87	863A0953	8020
252	110	2.26	802A1138	4720
252	110	3.73	862A1138	4450
228	122	3.87	803A1138	7200
225	123	2.12	802A1238	4791
225	123	3.34	862A1238	4504
204	136	3.73	803A1238	7200
187	148	2.87	863A1053	8470
182	153	3.34	803A1438	7200
177	157	1.84	802A1438	4911
177	157	2.86	862A1438	4733
167	166	2.87	863A1153	8620
156	177	1.68	802A1538	4968
156	178	2.52	862A1538	4790
152	183	2.87	863A1253	8750
143	194	3.05	803A1538	7200
131	212	1.46	802A1738	5026
131	212	2.11	862A1738	4850
126	221	2.73	803A1738	7200
126	221	3.23	863A1738	7698
116	239	2.87	863A1453	9090
114	244	1.16	802A1838	5202
114	244	1.74	862A1838	4855
114	243	3.03	863A1838	7607
106	263	2.33	803A1838	7200
102	271	2.73	863A1553	9240
99	279	2.71	863A1938	7670
98	284	1.04	802A1938	5343
98	284	1.58	862A1938	4762
92	303	1.74	803A1938	7200
88	316	2.48	863A2038	7956
87	317	0.96	802A2038	5110
87	317	1.42	862A2038	5204
84	330	2.34	863A1753	7950
82	339	0.92	802A2138	5140
82	339	1.33	862A2138	5254
79	352	1.69	803A2038	7200
79	349	2.27	863A2138	8480
78	354	3.83	864A2138	18200
77	363	2.18	863A1853	7683
71	394	1.59	803A2138	7200
69	402	1.12	862A2238	5221
69	399	2.02	863A2238	8190
69	402	3.64	864A2238	18800
67	417	1.94	863A1953	7218
66	419	1.49	803A2238	7200
65	429	1.05	862A2338	4500
61	451	1.80	863A2338	7040
61	456	3.37	864A2338	19500
59	472	1.73	863A2053	6718
56	497	1.26	803A2338	7200
53	523	1.58	863A2538	6400
52	532	0.85	862A2538	3280
52	530	1.18	803A2538	7200
50	548	2.90	864A2538	20000
46	599	2.43	864A2253	18233
44	623	1.35	863A2638	6898
43	640	2.55	864A2638	18667
42	658	0.95	803A2638	7200
41	682	1.24	863A2738	6022
41	678	2.27	864A2353	18181
40	693	3.37	865A2738	29600
39	702	2.35	864A2738	18492
36	773	0.81	803A2738	7200
35	783	3.15	865A2838	29600
34	815	1.06	863A2938	5750
34	819	2.01	864A2553	18181
32	860	1.92	864A2938	17475
32	865	2.85	865A2938	29492
30	930	0.93	863A2653	2898

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
29	939	1.76	864A3038	17036
29	953	2.54	865A3038	29478
28	1002	3.87	866A3138	46600
27	1017	0.85	863A2753	2898
26	1078	1.43	864A3138	18755
26	1068	1.88	865A3138	29407
25	1113	3.73	866A3238	48400
24	1154	1.39	864A4438	18100
24	1155	2.24	865A4438	29335
24	1157	3.26	866A4438	29500
23	1187	2.08	865A3238	29370
23	1198	3.47	866A3338	49452
22	1285	1.28	864A2953	13552
22	1268	1.30	864A4538	16724
22	1242	3.35	866A2953	49400
21	1332	1.85	865A3338	29234
21	1281	2.06	865A4538	29235
21	1285	2.93	866A4538	29500
20	1401	1.18	864A3053	12214
20	1386	3.04	866A3053	49100
20	1366	3.23	866A4638	29500
19	1430	1.15	864A4638	14693
19	1423	1.95	865A3053	29067
19	1431	2.00	865A4638	29194
19	1488	2.60	866A3153	48845
18	1517	2.91	866A4738	48921
17	1606	0.96	864A3153	11775
17	1614	1.02	864A4738	16100
17	1593	1.22	865A3153	29150
17	1590	1.80	865A4738	29120
17	1668	2.49	866A3253	48681
16	1769	1.40	865A3253	28995
16	1736	3.57	867A4838	66900
15	1806	1.46	865A4838	28944
15	1835	2.05	866A4838	48286
15	1787	2.33	866A3353	48436
14	1959	0.84	864A4938	11200
14	1985	1.22	865A3353	28520
14	1994	1.32	865A4938	28813
14	1933	3.21	867A4938	66700
13	2111	1.79	866A4938	47825
13	2164	2.04	866A5038	47825
13	2165	2.93	867A5038	66738
12	2244	1.27	865A5038	28779
11	2480	1.15	865A5138	28648
11	2492	1.77	866A5138	47287
11	2410	2.63	867A5138	66611
10	2782	0.89	865A5238	28400
10	2596	1.60	866A5238	47214
10	2639	2.45	867A5238	66511
10	2704	3.73	868A5238	80900
9.2	2938	2.20	867A5338	66484
9.2	2936	3.44	868A5338	80900
9.1	2995	1.39	866A5338	46586
8.9	3065	0.81	865A5338	28300
8.2	3307	1.92	867A5438	66345
7.7	3524	1.80	867A5538	66245
7.7	3538	3.11	868A5438	80900
6.8	3959	2.78	868A5538	80900
6.7	4032	1.60	867A5638	66103
6.7	4025	2.51	868A5638	80900
6.2	4387	1.47	867A5353	66000
6.2	4382	2.30	868A5353	80900
5.5	4935	1.29	867A5453	65812
5.2	5260	1.21	867A5553	65675
5.1	5282	2.08	868A5453	80900
4.6	5913	1.86	868A5553	80854
4.5	6031	1.07	867A5653	65462
4.5	6007	1.68	868A5653	80825

GEARED DRIVES (EUROPEAN MOUNTING)

Fenner Series M Motorised Selection

Other motor and ratio combinations than those shown in the Selection tables are available.

For advice consult your local Authorised Distributor.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
4.0 KW MOTOR				
400	92	2.19	802A0946	4413
400	92	3.17	862A0946	4160
390	94	3.24	863A0946	7490
323	114	3.17	803A1046	7200
285	129	1.82	802A1046	4561
285	130	2.92	862A1046	4345
282	131	3.24	863A1046	7780
261	141	2.16	863A0955	7888
254	145	1.71	802A1146	4620
254	146	2.82	862A1146	4394
251	147	3.24	863A1146	7930
230	162	2.92	803A1146	7200
228	161	3.24	863A1246	8050
226	163	1.60	802A1246	4678
226	163	2.52	862A1246	4438
205	180	2.82	803A1246	7200
188	196	2.16	863A1055	8290
183	202	2.52	803A1446	7200
178	208	1.39	802A1446	4770
178	208	2.16	862A1446	4596
175	213	2.97	863A1446	8370
168	221	2.16	863A1155	8420
157	235	1.27	802A1546	4809
157	236	1.90	862A1546	4634
154	241	2.75	863A1546	8510
144	258	2.30	803A1546	7200
132	281	1.10	802A1746	4835
132	281	1.60	862A1746	4666
127	292	2.06	803A1746	7200
126	293	2.44	863A1746	7128
115	321	2.29	863A1846	6943
115	322	3.97	864A1555	16700
114	323	0.88	802A1846	4930
114	324	1.31	862A1846	4653
106	348	1.76	803A1846	7200
103	359	3.70	864A1555	17000
100	370	2.04	863A1946	6844
98	377	1.19	862A1946	4445
92	402	1.31	803A1946	7200
88	421	1.07	862A2046	4920
88	419	1.88	863A2046	7110
86	428	3.32	864A2046	17400
85	437	1.76	863A1755	7114
83	449	1.00	862A2146	4950
80	463	1.71	863A2146	7804
79	466	1.28	803A2046	7200
79	469	2.89	864A2146	16986
77	482	1.64	863A1855	6738
74	498	2.95	864A1855	18100
71	521	1.20	803A2146	7200
70	531	0.85	862A2246	4790
70	529	1.52	863A2246	7385
69	531	2.75	864A2246	17340
67	556	1.13	803A2246	7200
67	553	1.46	863A1955	6083
64	579	2.67	864A1955	17670
62	597	1.36	863A2346	5724
62	604	2.55	864A2346	17752
59	626	1.30	863A2055	5379
58	641	2.21	864A2055	17998
56	658	0.95	803A2346	7200
55	671	3.93	865A2446	27400
53	702	0.89	803A2546	7200
53	693	1.19	863A2546	4800
53	702	1.93	864A2155	16537
52	713	3.70	865A2155	27900
51	726	2.19	864A2546	17785
50	740	3.56	865A2546	28200
47	791	1.06	863A2255	3650
47	800	3.58	865A2255	29000
46	795	1.84	864A2255	16025
45	826	1.02	863A2646	5520
44	847	1.92	864A2646	16763

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
44	837	2.77	865A2646	29300
42	886	3.22	865A2355	29500
41	903	0.94	863A2746	4240
40	930	1.77	864A2746	16338
40	918	2.55	865A2746	28783
36	1036	0.83	863A2355	3030
36	1037	2.38	865A2846	29111
34	1087	1.52	864A2553	15909
34	1098	3.79	866A2946	43600
32	1139	1.45	864A2946	15792
32	1146	2.15	865A2946	29338
30	1244	1.33	864A3046	15060
30	1227	3.41	866A3046	45100
29	1266	1.30	864A2655	12812
29	1262	1.92	865A3046	29305
28	1325	2.92	866A3146	46066
27	1392	1.18	864A2755	11852
26	1427	1.08	864A3146	18100
26	1415	1.42	865A3146	29212
25	1474	2.82	866A3246	47800
24	1528	1.05	864A4446	17100
24	1530	1.69	865A4446	29100
24	1532	2.46	866A4446	29411
23	1572	1.57	865A3246	29151
23	1586	2.62	866A3346	48813
22	1705	0.97	864A2953	10159
22	1679	0.98	864A4546	15000
22	1696	1.56	865A4546	29000
22	1647	2.53	866A2955	48566
22	1637	3.79	867A4546	66900
21	1763	1.40	865A3346	28990
21	1702	2.21	866A4546	29411
20	1859	0.89	864A3053	8116
20	1887	1.47	865A3055	28652
20	1838	2.30	866A3055	47958
20	1809	2.44	866A4646	29411
20	1807	3.51	867A4646	66800
19	1894	0.87	864A4646	11900
19	1895	1.51	865A4646	28900
19	1974	1.96	866A3155	48027
18	2009	2.19	866A4746	48094
18	2036	3.12	867A4746	66841
17	2113	0.92	865A3155	28850
17	2105	1.36	865A4746	28800
17	2212	1.88	866A3255	47784
16	2346	1.05	865A3255	28677
16	2299	2.70	867A4846	66800
15	2392	1.10	865A4846	28600
15	2430	1.55	866A4846	47267
15	2370	1.75	866A3355	47481
14	2634	0.92	865A3355	27952
14	2641	1.00	865A4946	28400
14	2559	2.42	867A4946	66611
13	2795	1.35	866A4946	46641
13	2865	1.54	866A5046	46641
13	2867	2.21	867A5046	66507
12	2971	0.96	865A5046	28400
11	3283	0.87	865A5146	28200
11	3438	1.21	866A5246	45824
11	3300	1.34	866A5146	45946
11	3192	1.99	867A5146	66342
11	3419	3.22	868A5146	80900
11	3153	3.49	868A5046	80900
10	3633	1.04	866A4855	44125
10	3495	1.85	867A5246	66242
10	3580	2.82	868A5246	80900
9.3	3891	1.66	867A5346	66176
9.3	3887	2.60	868A5346	80900
9.2	3965	1.05	866A5346	45000
8.7	4188	0.90	866A4955	40408
8.5	4291	1.03	866A5055	40575
8.3	4379	1.45	867A5446	65981
7.8	4666	1.36	867A5546	65881
7.7	4684	2.35	868A5446	80900

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
7.4	4941	0.89	866A5155	42575
7.1	5164	0.81	866A5255	42113
6.9	5242	2.10	868A5546	80900
6.8	5339	1.21	867A5646	65678
6.8	5329	1.90	868A5646	80900
6.2	5819	1.11	867A5355	65533
6.2	5812	1.74	868A5355	80900
5.5	6546	0.97	867A5455	65287
5.2	6978	0.91	867A5555	65125
5.2	7006	1.57	868A5455	80900
4.6	7843	1.40	868A5555	80798
4.5	8000	0.81	867A5655	64837
4.5	7968	1.27	868A5655	80775
5.0 KW MOTOR				
399	127	1.59	802A0954	4320
399	127	2.30	862A0954	4160
392	129	2.37	863A0954	7393
322	157	2.30	803A1054	7200
284	179	1.32	802A1054	4430
284	180	2.12	862A1054	4270
283	179	2.37	863A1054	7647
261	195	1.57	863A0957	7690
261	195	3.16	864A0957	14328
253	200	1.24	802A1154	4470
253	202	2.04	862A1154	4310
252	202	2.37	863A1154	7709
229	223	2.12	803A1154	7200
229	221	2.37	863A1254	7732
226	226	1.16	802A1254	4510
226	225	1.83	862A1254	4340
204	249	2.04	803A1254	7200
188	270	1.57	863A1057	8020
184	276	3.16	864A1057	15164
182	279	1.83	803A1454	7200
178	287	1.02	802A1454	4560
178	287	1.56	862A1454	4390
175	292	2.17	863A1454	7722
173	295	3.95	864A1454	15336
168	303	1.57	863A1157	8120
166	307	3.16	864A1157	15442
157	325	0.92	802A1554	4570
157	326	1.38	862A1554	4400
154	330	2.00	863A1554	7667
154	331	3.68	864A1554	15648
149	341	3.16	864A1257	15614
143	356	1.67	803A1554	7200
131	389	1.16	862A1754	4390
127	403	1.50	803A1754	7200
127	402	1.78	863A1754	6273
126	405	3.23	864A1754	16175
115	441	1.67	863A1854	5948
114	447	0.95	862A1854	4350
111	455	2.94	864A1854	16393
106	480	1.27	803A1854	7200
100	507	1.49	863A1954	5604
98	520	0.86	862A1954	3970
96	534	2.65	864A1954	16821
92	554	0.95	803A1954	7200
89	574	1.37	863A2054	5840
86	586	2.42	864A2054	15526
80	634	1.25	863A2154	6791
79	644	0.93	803A2054	7200
79	643	2.11	864A2154	15166
71	719	0.87	803A2154	7200
70	725	1.11	863A2254	6178
70	728	2.00	864A2254	15150
70	728	3.88	865A2254	25256
67	760	1.06	863A1957	4379
66	767	0.82	803A2254	7200
66	774	3.69	865A1957	25700
63	812	3.52	865A2354	26068
62	818	0.99	863A2354	3751
62	828	1.86	864A2354	15130

Fenner Series M Motorised Selection

Double reduction units are shown in normal typeface **Bold typeface indicates triple reduction units**
 See page 171 for fourth digit of code and page 251 for motor details.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
59	861	0.95	863A2057	3369
58	885	2.98	865A2057	25816
55	919	2.87	865A2454	26609
53	949	0.87	863A2554	2400
52	981	2.69	865A2157	26386
51	994	1.60	864A2554	14463
50	1025	2.60	865A2554	27177
48	1059	3.56	866A2554	38534
45	1147	2.02	865A2654	28168
44	1161	1.40	864A2654	13907
41	1252	3.52	866A2754	40553
40	1274	1.29	864A2754	13107
40	1258	1.86	865A2754	27558
39	1309	3.18	866A2854	41131
36	1421	1.74	865A2854	28377
34	1505	2.76	866A2954	42931
32	1562	1.06	864A2954	13268
32	1570	1.57	865A2954	29107
30	1704	0.97	864A3054	12097
30	1681	2.49	866A3054	44336
29	1729	1.40	865A3054	29046
28	1816	2.13	866A3154	45266
27	1914	0.86	864A2757	6963
26	1939	1.04	865A3154	28919
25	2020	2.06	866A3254	46900
25	1981	3.12	867A4454	66702
24	2154	1.15	865A3254	28821
24	2100	1.79	866A4454	29277
23	2173	1.91	866A3354	47854
22	2332	1.62	866A4554	29277
22	2265	1.84	866A2957	47316
22	2244	2.76	867A4554	66848
21	2416	1.02	865A3354	28624
20	2595	1.07	865A3057	28030
20	2528	1.67	866A3057	46245
20	2479	1.78	866A4654	29277
20	2476	2.56	867A4654	66731
19	2714	1.43	866A3157	46800
18	2753	1.60	866A4754	46853
18	2791	2.28	867A4754	66754
17	3042	1.37	866A3257	46437
17	3000	3.67	868A4754	80900
16	3150	1.97	867A4854	66650
15	3329	1.13	866A4854	45738
15	3259	1.28	866A3357	46050
15	3269	3.39	868A4854	80900
14	3507	1.77	867A4954	66477
14	3553	3.12	868A4954	80900
13	3831	0.98	866A4954	44866
13	3926	1.12	866A5054	44866
13	3929	1.62	867A5054	66161
12	4320	2.55	868A5054	80900
11	4711	0.88	866A5254	43739
11	4522	0.98	866A5154	43934
11	4374	1.45	867A5154	65938
11	4686	2.35	868A5154	80900
10	4789	1.35	867A5254	65838
10	4906	2.06	868A5254	80900
9.3	5331	1.21	867A5354	65715
9.3	5327	1.90	868A5354	80900
8.3	6002	1.06	867A5454	65436
7.8	6394	0.99	867A5554	65336
7.8	6419	1.71	868A5454	80900
6.9	7183	1.53	868A5554	80900
6.8	7316	0.88	867A5654	65042
6.8	7302	1.38	868A5654	80900
6.2	8002	0.81	867A5357	64833
6.2	7992	1.26	868A5357	80900
5.2	9633	1.14	868A5457	80900
4.6	10784	1.02	868A5557	80713
4.5	10956	0.92	868A5657	80700

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
7.5 KW MOTOR				
393	175	1.74	863A0956	7265
393	175	3.49	864A0956	13458
284	244	1.74	863A1056	7470
277	250	3.49	864A1056	13997
261	265	2.32	864A0965	14100
253	274	1.74	863A1156	7415
249	278	3.49	864A1156	14177
230	302	1.74	863A1256	7310
224	311	3.37	864A1256	14357
184	377	2.32	864A1065	14850
176	396	1.59	863A1456	6860
173	402	2.91	864A1456	14612
166	419	2.32	864A1165	15100
155	449	1.47	863A1556	6545
155	450	2.71	864A1556	14670
149	465	2.32	864A1265	15100
127	545	1.31	863A1756	5134
126	550	2.38	864A1756	14656
117	597	3.95	865A1465	22500
116	599	1.23	863A1856	4621
113	615	3.93	865A1856	22600
112	618	2.17	864A1856	14523
104	668	3.67	865A1565	23000
102	689	1.10	863A1956	3952
99	702	3.60	865A1956	23200
96	726	1.95	864A1956	14395
94	747	3.39	865A1665	23300
89	780	1.02	863A2056	4148
87	797	1.78	864A2056	13028
87	802	3.27	865A2056	23212
82	849	3.11	865A1765	22983
81	862	0.92	863A2156	5440
79	874	1.55	864A2156	12740
78	886	2.98	865A2156	23415
70	985	0.82	863A2256	4570
70	989	1.47	864A2256	12230
70	990	2.86	865A2256	24134
63	1103	2.59	865A2356	24702
62	1125	1.37	864A2356	11635
58	1203	1.18	864A2065	11344
58	1193	3.16	866A2065	35800
56	1249	3.02	866A2456	36300
55	1249	2.11	865A2456	25554
53	1317	1.03	864A2165	9803
53	1321	2.85	866A2165	36900
51	1352	1.18	864A2556	10034
50	1379	1.91	865A2556	25813
48	1440	2.62	866A2556	37839
47	1475	2.99	866A2656	38185
46	1491	0.98	864A2265	8297
45	1558	1.49	865A2656	26659
44	1578	1.03	864A2656	10200
41	1688	0.91	864A2365	7954
41	1709	1.37	865A2756	25925
41	1702	2.59	866A2756	39480
41	1688	3.76	867A2756	66500
40	1731	0.95	864A2756	8800
39	1778	2.34	866A2856	40372
37	1855	3.48	867A2856	66800
36	1932	1.28	865A2856	27400
34	2038	0.81	864A2565	7954
34	2046	2.03	866A2956	42040
33	2134	1.16	865A2956	28800
33	2060	3.14	867A2956	66700
30	2285	1.83	866A3056	43318
29	2350	1.03	865A3056	28700
28	2468	1.57	866A3156	44200
27	2583	1.04	865A2765	22912
25	2746	1.51	866A3256	45700
25	2692	2.30	867A4456	66670
24	2908	0.85	865A2865	24802
24	2854	1.32	866A4456	29100
24	2812	3.73	868A4456	66400

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
23	2953	1.41	866A3356	46576
23	3049	2.03	867A4556	66779
22	3170	1.19	866A4556	29100
22	3089	1.35	866A2965	45650
22	3097	3.45	868A4556	66400
20	3447	1.22	866A3065	43962
20	3369	1.31	866A4656	29100
20	3365	1.89	867A4656	66640
19	3702	1.05	866A3165	45163
18	3741	1.18	866A4756	45200
18	3792	1.67	867A4756	66637
18	3712	2.96	868A4656	66400
17	4148	1.00	866A3265	44642
17	4078	2.70	868A4756	80900
16	4280	1.45	867A4856	66450
15	4525	0.83	866A4856	43700
15	4444	0.94	866A3365	44140
15	4443	2.50	868A4856	80900
14	4766	1.30	867A4956	66300
14	4828	2.30	868A4956	80900
13	5335	0.83	866A5056	42500
13	5339	1.19	867A5056	65700
12	5871	1.87	868A5056	80900
11	5944	1.07	867A5156	65400
11	6368	1.73	868A5156	80900
10	6508	0.99	867A5256	65300
10	6667	1.51	868A5256	80900
9.3	7245	0.89	867A5356	65100
9.3	7239	1.40	868A5356	80900
7.8	8723	1.26	868A5456	80900
6.9	9762	1.13	868A5556	80900
6.8	9923	1.02	868A5656	80900
6.2	10899	0.93	868A5365	80900
5.2	13136	0.84	868A5465	80900
11.0 KW MOTOR				
394	257	2.39	864A0966	13197
392	258	1.18	863A0966	7040
283	359	1.18	863A1066	7160
278	365	2.39	864A1066	13625
252	403	1.18	863A1166	6900
250	406	2.39	864A1166	13768
229	443	1.18	863A1266	6570
225	454	2.31	864A1266	13910
196	522	3.83	865A1366	20209
176	579	3.59	865A1466	20624
175	584	1.08	863A1466	5350
174	587	1.99	864A1466	13346
158	648	3.35	865A1566	21072
155	657	1.85	864A1566	12957
154	661	1.00	863A1566	4580
141	726	3.08	865A1666	20720
127	803	0.89	863A1766	3140
126	805	1.63	864A1766	11998
124	827	2.83	865A1766	21211
115	882	0.83	863A1866	2300
114	899	2.69	865A1866	21464
112	904	1.48	864A1866	11250
100	1026	2.46	865A1966	21675
96	1062	1.34	864A1966	10251
91	1121	3.36	866A1667	32000
88	1155	3.26	866A2066	32215
87	1165	1.22	864A2066	8656
87	1171	2.24	865A2066	21760
81	1269	2.97	866A1767	32600
79	1278	1.06	864A2166	8493
79	1296	2.04	865A2166	21602
79	1283	2.94	866A2166	32896
75	1362	3.24	866A2266	33324
70	1446	1.02	864A2266	7120
70	1447	1.95	865A2266	22170
67	1515	2.91	866A2366	32667
64	1585	0.98	864A1967	6260
63	1613	1.77	865A2366	22312

Fenner Series M Motorised Selection

Other motor and ratio combinations than those shown in the Selection tables are available.
For advice consult your local Authorised Distributor.



Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
62	1644	0.94	864A2366	5517
59	1740	2.17	866A2067	33980
58	1755	0.81	864A2067	4690
57	1780	3.48	867A2466	60039
56	1826	1.45	865A2466	23709
56	1826	2.06	866A2466	35310
53	1927	1.96	866A2167	34597
51	1976	0.80	864A2566	2284
51	1982	3.13	867A2566	61744
50	2026	1.31	865A2566	23427
50	2053	2.15	866A2267	35273
48	2105	1.79	866A2566	36623
47	2188	1.31	865A2267	21381
47	2156	2.05	866A2666	37054
45	2278	1.02	865A2666	24028
45	2276	1.94	866A2367	35797
45	2224	2.85	867A2666	63271
41	2499	0.94	865A2766	23066
41	2487	1.77	866A2766	37602
41	2468	2.57	867A2766	65208
39	2600	1.60	866A2866	39044
37	2712	2.38	867A2866	65228
37	2740	3.63	868A2866	80924
36	2824	0.87	865A2866	25688
36	2777	1.99	867A4166	50560
35	2857	3.41	868A4166	66432
34	3037	0.87	865A2567	19700
34	2990	1.39	866A2966	40481
34	2964	3.37	868A2966	80900
33	3057	2.02	867A4266	50560
33	3021	2.15	867A2966	66000
30	3339	1.25	866A3066	41536
30	3340	1.90	867A2667	64772
30	3324	3.31	868A4266	66432
29	3453	1.83	867A4366	50560
28	3607	1.07	866A3166	42333
27	3715	1.71	867A2767	64702
26	3769	2.92	868A4366	66432
25	4024	1.04	866A3266	43600
25	3935	1.57	867A4466	66616
25	4062	1.59	867A2867	63983
24	4172	0.90	866A4466	28788
24	4110	2.55	868A4466	66275
23	4316	0.96	866A3366	44339
23	4457	1.39	867A4566	66658
22	4633	0.81	866A4566	28788
22	4531	1.43	867A2967	65900
22	4526	2.36	868A4566	66275
20	5030	0.84	866A3067	39966
20	4924	0.90	866A4666	28788
20	4919	1.29	867A4666	66481
18	5543	1.15	867A4766	66433
18	5426	2.03	868A4666	66206
17	5960	1.85	868A4766	80900
16	6256	0.99	867A4866	66100
15	6494	1.71	868A4866	80900
14	6966	0.89	867A4966	65988
14	7057	1.57	868A4966	80900
12	8581	1.28	868A5066	80900
11	9307	1.18	868A5166	80900
10	9745	1.04	868A5266	80900
9.4	10580	0.95	868A5366	80900
7.7	12887	0.85	868A5067	80900

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
15.0 KW MOTOR				
656	213	3.49	865A0174	15400
476	295	3.49	865A0274	17100
443	315	3.49	866A0374	23700
441	319	3.41	865A0668	17400
425	331	3.29	865A0374	17700
396	349	1.76	864A0968	12900
394	356	3.06	865A0768	18000
390	358	3.49	866A0474	24700
379	371	2.93	865A0474	18200
327	427	3.49	865A0574	18600
324	429	3.49	866A0574	26000
318	440	3.81	865A0968	18700
299	468	3.35	866A0674	26100
294	478	2.28	865A0674	18700
287	487	3.59	865A1068	18900
279	496	1.76	864A1068	13200
277	505	3.11	866A0774	26300
263	535	2.03	865A0774	18884
256	544	3.34	865A1168	19200
251	552	1.76	864A1168	13300
237	587	3.08	865A0874	19305
232	598	3.49	866A0874	27100
226	617	1.70	864A1268	13400
220	636	3.02	865A1268	19500
213	653	3.49	866A0974	27300
212	662	2.87	865A0974	19663
197	710	2.82	865A1368	19772
196	707	3.49	866A1074	27700
181	770	3.49	866A1174	28100
177	787	2.64	865A1468	20227
175	798	1.47	864A1468	11900
158	881	2.46	865A1568	20381
156	893	1.36	864A1568	11000
144	965	3.49	866A1274	29200
142	987	2.27	865A1668	19486
137	1024	3.63	866A1668	29400
131	1065	2.12	865A1374	20033
127	1093	1.20	864A1768	8959
124	1124	2.08	865A1768	19966
121	1147	3.28	866A1768	30000
116	1196	3.25	866A1868	30200
114	1222	1.98	865A1868	20266
113	1228	1.09	864A1868	7509
106	1322	1.85	865A1574	20033
103	1351	3.00	866A1968	30954
100	1395	1.81	865A1968	19933
97	1444	0.98	864A1968	5299
94	1478	1.71	865A1674	19166
89	1569	2.40	866A2068	31354
88	1592	1.65	865A2068	20202
87	1584	0.90	864A2068	3659
83	1682	1.57	865A1774	18045
81	1719	3.61	867A2168	55200
80	1744	2.16	866A2168	31312
79	1761	1.50	865A2168	19528
78	1771	3.58	867A1874	55600
76	1832	1.50	865A1874	18329
75	1851	2.38	866A2268	31628
73	1902	3.34	867A2268	56100
71	1967	1.44	865A2268	19926
69	2008	3.13	867A1974	56600
67	2091	1.37	865A1974	17921
67	2060	2.14	866A2368	30688
65	2142	2.96	867A2368	56772
64	2192	1.30	865A2368	19580
58	2389	1.10	865A2074	17688
57	2419	2.56	867A2468	58681
56	2482	1.06	865A2468	21600
56	2482	1.52	866A2468	34179
53	2648	1.00	865A2174	16802
52	2680	3.72	868A2568	79400
51	2740	0.96	865A2568	20700

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
51	2694	2.30	867A2568	60368
49	2860	1.32	866A2568	35232
47	2969	0.96	865A2274	17028
47	2929	1.51	866A2668	35762
46	3023	2.10	867A2686	61752
42	3291	0.87	865A2374	15725
42	3277	3.26	868A2686	80900
41	3380	1.30	866A2768	35456
41	3354	1.89	867A2768	63733
39	3533	1.18	866A2868	37527
39	3540	3.05	868A2768	80900
37	3685	1.75	867A2868	63433
37	3724	2.67	868A2868	80827
36	3774	1.47	867A4168	49920
35	3882	2.51	868A4168	66304
34	4064	1.02	866A2968	38700
34	4029	2.48	868A2968	80900
33	4154	1.49	867A4268	49920
33	4091	1.58	867A2968	65200
32	4393	1.00	866A2674	33272
30	4538	0.92	866A3068	39500
30	4532	1.40	867A2674	62684
30	4517	2.44	868A4268	66304
29	4692	1.34	867A4368	49920
28	4917	2.18	868A2674	79109
27	5075	0.87	866A2774	31505
27	5041	1.26	867A2774	63248
27	5122	2.15	868A4368	66304
26	5348	1.16	867A4468	66554
26	5308	2.03	868A2774	78890
25	5511	1.17	867A2874	62008
25	5573	1.81	868A2874	80800
24	5585	1.88	868A4468	66133
23	6057	1.02	867A4568	66520
23	6045	1.67	868A2974	80823
22	6147	1.05	867A2974	65390
22	6151	1.74	868A4568	66133
20	6684	0.95	867A4686	66300
18	7533	0.84	867A4768	66200
18	7373	1.49	868A4686	65986
17	8100	1.36	868A4768	80900
15	8825	1.26	868A4868	80900
14	9591	1.16	868A4968	80900
12	11661	0.94	868A5068	80900
11	12648	0.87	868A5168	80900

18.5 KW MOTOR				
Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
676	253	2.84	866A0175	20700
659	261	2.84	865A0175	15306
574	299	3.60	865A0476	16006
484	355	2.84	866A0275	23000
479	362	2.84	865A0275	16936
445	390	2.79	865A0676	17283
445	386	2.84	866A0375	23560
427	406	2.68	865A0375	17513
399	435	2.50	865A0776	17871
392	439	2.84	866A0475	24536
381	456	2.39	865A0475	18013
360	477	3.35	865A0876	18271
336	510	3.41	867A0575	44500
326	527	2.84	866A0575	25813
321	537	3.12	865A0976	18560
306	560	3.41	867A0675	45000
301	574	2.73	866A0675	25866
290	594	2.94	865A1076	18760
279	620	2.53	866A0775	26066
268	639	3.41	867A0775	45700
259	664	2.74	865A1176	19025
242	709	3.41	867A0875	46300
233	734	2.84	866A0875	26843
222	776	2.47	865A1276	19255
221	780	3.41	867A0975	46800
215	801	2.84	866A0975	27043
202	847	3.80	866A1376	27300

Fenner Series M Motorised Selection

Double reduction units are shown in normal typeface **Bold typeface indicates triple reduction units**
 See page 171 for fourth digit of code and page 251 for motor details.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
199	866	2.31	865A1376	19390
193	885	3.41	867A1075	47600
185	927	3.59	866A1476	27700
179	960	2.16	865A1476	19692
176	973	3.41	867A1175	48400
171	1000	3.42	866A1576	28166
160	1076	2.02	865A1576	19777
157	1094	3.41	867A1275	49300
143	1205	1.86	865A1676	18406
142	1214	3.41	867A1375	50100
139	1238	2.97	866A1676	29096
126	1373	1.70	865A1776	18877
125	1366	3.41	867A1475	51200
123	1402	2.69	866A1776	29661
118	1460	2.66	866A1876	29861
115	1491	1.62	865A1876	19031
113	1513	3.41	867A1575	52000
106	1622	1.51	865A1575	18648
105	1632	3.85	867A1976	52700
104	1649	2.46	866A1976	30551
102	1703	1.49	865A1976	18408
99	1742	3.41	867A1675	53100
95	1814	1.39	865A1675	17237
92	1860	3.33	867A2076	53508
89	1943	1.35	865A2076	18651
89	1916	1.97	866A2076	30602
87	1978	3.00	867A1775	54200
83	2063	1.28	865A1775	15741
82	2099	2.95	867A2176	54351
81	2129	1.77	866A2176	29926
80	2150	1.23	865A2176	17714
79	2174	2.92	867A1875	54733
77	2248	1.22	865A1875	15982
76	2260	1.95	866A2276	30244
73	2322	2.73	867A2276	55137
71	2402	1.18	865A2276	17963
69	2463	2.55	867A1975	55550
68	2514	1.75	866A2376	28955
67	2566	1.11	865A1975	15055
65	2615	2.43	867A2376	55689
64	2676	1.07	865A2376	17190
61	2809	2.21	867A2075	56896
61	2787	3.87	868A2376	75200
59	2932	0.90	865A2075	14694
58	2954	2.10	867A2476	57493
56	3030	1.24	866A2476	33189
56	3003	3.50	868A2476	77000
53	3249	0.81	865A2175	13271
52	3288	1.89	867A2576	59164
52	3272	3.05	868A2576	78603
49	3492	1.08	866A2576	34026
48	3576	1.23	866A2676	34631
46	3690	1.72	867A2766	60423
45	3789	1.16	866A2375	29364
43	4002	2.67	868A2766	79736
41	4126	1.07	866A2776	33578
41	4094	1.55	867A2776	62442
40	4313	0.96	866A2876	36200
39	4321	2.50	868A2776	79675
38	4499	1.44	867A2876	61862
37	4578	0.82	866A2475	31417
37	4607	1.20	867A4176	49360
37	4546	2.19	868A2876	80742
36	4739	2.05	868A4176	66192
34	4995	1.29	867A2976	64500
34	4918	2.03	868A2976	80900
33	5071	1.22	867A4276	49360
32	5391	0.82	866A2675	29636
31	5560	1.14	867A2675	60857
30	5514	1.99	868A4276	66192
29	5728	1.10	867A4376	49360
27	6185	1.03	867A2775	61977
27	6253	1.76	868A4376	66192
26	6529	0.95	867A4476	66500

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
25	6762	0.96	867A2875	60279
25	6818	1.54	868A4476	66008
23	7394	0.84	867A4576	66400
22	7543	0.86	867A2975	64945
22	7509	1.42	868A4576	66008
19	9002	1.22	868A4676	65793
17	9888	1.11	868A4776	80900
16	10774	1.03	868A4876	80900
14	11708	0.95	868A4976	80900
12	13538	0.81	868A4675	80900
22.0 KW MOTOR				
1029	200	3.60	866A0178	18100
994	206	3.60	865A0178	13447
730	280	3.60	866A0278	20200
722	284	3.50	865A0278	14860
671	305	3.60	866A0378	20600
659	311	2.39	865A0184	15213
644	318	3.39	865A0378	15413
591	346	3.60	866A0478	21400
574	356	3.03	865A0478	15913
495	412	3.40	865A0578	16813
491	413	3.60	866A0578	22800
484	422	2.39	866A0284	22847
479	430	2.39	865A0284	16773
453	451	3.39	866A0678	23300
445	463	2.35	865A0678	17166
427	483	2.25	865A0384	17326
420	488	3.19	866A0778	23800
399	517	2.11	865A0778	17743
392	522	2.39	866A0484	24373
381	542	2.01	865A0484	17826
360	568	2.82	865A0878	18143
352	579	3.60	866A0878	25300
336	606	2.87	867A0584	44375
323	632	3.60	866A0978	25600
321	639	2.63	865A0978	18420
306	666	2.87	867A0684	44865
298	685	3.60	866A1078	25900
290	707	2.47	865A1078	18620
274	746	3.60	866A1178	26200
268	760	2.87	867A0784	45546
259	789	2.30	865A1178	18850
242	844	2.87	867A0884	46127
233	873	2.39	866A0884	26586
222	923	2.08	865A1278	19020
221	927	2.87	867A0984	46617
219	934	3.36	866A1278	26800
202	1008	3.19	866A1378	27102
199	1030	1.94	865A1378	19009
193	1053	2.87	867A1084	47389
185	1103	3.02	866A1478	27502
179	1142	1.82	865A1478	19257
176	1158	2.87	867A1184	48169
171	1189	2.88	866A1578	27933
160	1279	1.70	865A1578	19172
157	1301	2.87	867A1284	49031
143	1433	1.56	865A1678	17327
142	1444	2.87	867A1384	49812
139	1473	2.50	866A1678	28793
131	1558	3.81	867A1778	50400
126	1632	1.43	865A1778	17788
125	1625	2.87	867A1484	50854
123	1666	2.26	866A1778	29323
119	1716	3.70	867A1878	51300
118	1736	2.24	866A1878	29523
115	1774	1.36	865A1878	17895
113	1799	2.87	867A1584	51558
105	1941	3.24	867A1978	52028
104	1961	2.06	866A1978	30248
102	2025	1.25	865A1978	16884
99	2071	2.87	867A1684	52476
95	2157	1.17	865A1684	15308
92	2212	2.80	867A2078	52817

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
89	2311	1.13	865A2078	17200
89	2278	1.65	866A2078	29848
83	2454	1.08	865A1784	13436
82	2496	2.48	867A2178	53502
81	2532	1.49	866A2178	28540
80	2557	1.03	865A2178	15899
77	2673	1.02	865A1884	13634
76	2688	1.64	866A2278	28660
73	2761	2.30	867A2278	54175
71	2856	0.99	865A2278	15999
68	2990	1.47	866A2378	27223
68	2999	3.53	868A2278	73600
67	3051	0.94	865A1984	12190
65	3110	2.04	867A2378	54606
64	3182	0.90	865A2378	14800
61	3314	3.26	868A2378	74382
58	3512	1.76	867A2478	56306
56	3604	1.05	866A2478	32200
56	3571	2.94	868A2478	75965
52	3911	1.59	867A2578	57960
52	3891	2.56	868A2578	77807
49	4152	0.91	866A2578	32800
48	4253	1.04	866A2678	33500
46	4388	1.45	867A2786	59094
43	4758	2.25	868A2678	78572
41	4907	0.90	866A2778	31700
41	4869	1.30	867A2778	61151
39	5139	2.10	868A2778	78450
38	5350	1.21	867A2878	60291
37	5479	1.02	867A4178	48800
37	5406	1.84	868A2878	80657
36	5636	1.73	868A4178	66080
34	5940	1.09	867A2978	63800
34	5849	1.71	868A2978	80900
33	6031	1.02	867A4278	48800
31	6613	0.96	867A2684	59030
30	6557	1.68	868A4278	66080
29	6812	0.93	867A4378	48800
28	7175	1.49	868A2684	75975
27	7355	0.86	867A2784	60706
27	7436	1.48	868A4378	66080
26	7746	1.39	868A2784	75375
25	8042	0.80	867A2884	58551
25	8133	1.24	868A2884	80706
25	8108	1.29	868A4478	65884
23	8821	1.14	868A2984	80752
22	8930	1.20	868A4578	65884
19	10704	1.03	868A4678	65600
17	11758	0.94	868A4778	80900
16	12812	0.87	868A4878	80900

Fenner Series M Motorised Selection

Other motor and ratio combinations than those shown in the Selection tables are available.
For advice consult your local Authorised Distributor.



Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
30.0 KW MOTOR				
1029	273	2.64	866A0188	17995
994	281	2.64	865A0188	13326
730	382	2.64	866A0288	19960
722	387	2.56	865A0288	14700
671	416	2.64	866A0388	20460
663	422	1.76	865A0191	15000
644	434	2.48	865A0388	15200
591	473	2.64	866A0488	21260
574	486	2.22	865A0488	15700
506	548	3.17	867A0588	39200
495	562	2.49	865A0588	16600
491	563	2.64	866A0588	22626
481	584	1.76	865A0291	16400
461	602	3.17	867A0688	40200
453	615	2.49	866A0688	23056
445	632	1.72	865A0688	16900
429	656	1.66	865A0391	16900
420	666	2.34	866A0788	23556
404	684	3.17	867A0788	41800
399	705	1.54	865A0788	17450
394	709	1.76	866A0491	24000
383	736	1.48	865A0491	17400
365	763	3.17	867A0888	43000
360	774	2.06	865A0888	17850
352	790	2.64	866A0888	25056
339	817	3.08	868A0591	56900
333	839	3.17	867A0988	44100
330	845	1.76	865A0591	17800
323	862	2.64	866A0988	25356
321	872	1.93	865A0988	18100
302	921	3.08	868A0691	58400
298	934	2.64	866A1088	25621
297	947	1.15	865A0691	17600
292	952	3.17	867A1088	44800
290	964	1.81	865A1088	18300
280	1000	1.57	866A0791	25300
274	1027	2.64	866A1188	25886
266	1060	1.03	865A0791	17700
265	1047	3.17	867A1188	45300
259	1077	1.69	865A1188	18450
256	1080	3.08	868A0791	59600
243	1145	3.08	868A0891	60000
240	1163	1.56	865A0891	18200
237	1176	3.17	867A2088	45800
234	1185	1.76	866A0891	26000
222	1259	1.52	865A1288	18450
219	1274	2.46	866A1288	26417
216	1287	3.08	868A0991	60800
214	1310	1.45	865A0991	18400
214	1302	3.17	867A1388	46300
202	1374	2.34	866A1388	26649
199	1405	1.42	865A1388	18136
189	1470	3.17	867A1488	47100
185	1504	2.21	866A1488	27049
184	1511	3.08	868A1091	62000
179	1558	1.33	865A1488	18263
171	1621	2.11	866A1588	27400
171	1627	3.17	867A1588	47800
163	1699	3.08	868A1191	63200
160	1744	1.24	865A1588	17790
150	1858	3.08	868A1291	64200
149	1873	3.17	867A1688	48800
143	1955	1.15	865A1688	14859
139	2009	1.83	866A1688	28100
135	2062	3.08	868A1391	65300
131	2125	2.79	867A1788	49517
126	2226	1.05	865A1788	15300
123	2272	1.66	866A1788	28550
119	2343	1.01	865A1491	15700
119	2340	2.71	867A1888	50288
118	2368	1.64	866A1888	28750
115	2419	1.00	865A1888	15300

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
114	2435	1.59	866A1591	28300
113	2455	3.08	868A1491	67100
107	2618	0.94	865A1591	14100
105	2647	2.38	867A1988	50461
104	2675	1.51	866A1988	29227
102	2762	0.92	865A1988	13400
102	2724	3.08	868A1591	68200
97	2849	3.65	868A1988	68600
95	2927	0.86	865A1691	10900
93	3010	1.25	866A1691	28700
92	3027	2.05	867A2088	51237
89	3107	1.21	866A2088	28127
89	3096	3.21	868A2088	69600
88	3191	1.86	867A1791	51584
82	3403	1.82	867A2188	51562
81	3453	1.09	866A2188	25372
81	3428	3.00	868A2188	70600
79	3507	1.81	867A1891	51887
76	3665	1.20	866A2288	25268
73	3765	1.69	867A2288	51975
70	3975	1.58	867A1991	52100
68	4078	1.08	866A2388	23264
68	4089	2.59	868A2288	71941
65	4241	1.50	867A2388	52132
61	4532	1.37	867A2091	52612
61	4520	2.39	868A2388	72513
60	4674	0.81	866A2091	24100
58	4790	1.29	867A2488	53590
56	4870	2.16	868A2488	73600
54	5103	1.21	867A2191	52868
52	5333	1.16	867A2588	55208
52	5306	1.88	868A2588	75987
49	5654	1.12	867A2291	53775
46	5984	1.06	867A2886	56057
43	6488	1.65	868A2688	75912
41	6639	0.96	867A2788	58200
39	7008	1.54	868A2788	75650
38	7296	0.89	867A2888	56700
37	7372	1.35	868A2888	80463
36	7685	1.27	868A4188	65824
34	7976	1.25	868A2988	80900
30	8942	1.23	868A4288	65824
28	9735	1.10	868A2691	72393
27	10240	1.08	868A4388	65824
26	10509	1.03	868A2791	71356
25	11034	0.92	868A2891	80600
25	11057	0.95	868A4488	65600
23	11968	0.84	868A2991	80671
22	12178	0.88	868A4588	65600
20	13413	0.82	868A4291	64700
37.0 KW MOTOR				
1023	335	2.15	866A0194	17904
997	345	2.15	865A0194	13220
732	469	2.15	866A0294	19839
724	476	2.09	865A0294	14560
673	511	2.15	866A0394	20339
646	534	2.02	865A0394	15023
593	581	2.15	866A0494	21139
576	597	1.81	865A0494	15513
511	669	3.77	868A0594	50300
508	674	2.58	867A0594	39071
497	690	2.03	865A0594	16413
493	693	2.15	866A0594	22473
463	740	2.58	867A0694	40071
455	756	2.02	866A0694	22843
454	754	3.77	868A0694	52100
447	777	1.40	865A0694	16666
421	818	1.91	866A0794	23343
405	841	2.58	867A0794	41648
400	867	1.26	865A0794	17193
386	884	3.77	868A0794	54600
366	938	2.58	867A0894	42825
366	937	3.77	868A0894	55400

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
361	952	1.68	865A0894	17593
353	972	2.15	866A0894	24843
339	1008	2.50	868A0592	56704
334	1031	2.58	867A0994	43913
325	1060	2.15	866A0994	25143
325	1054	3.77	868A0994	57400
322	1072	1.57	865A0994	17820
307	1114	1.71	867A0692	44290
302	1136	2.50	868A0692	58176
299	1148	2.15	866A1094	25378
293	1171	2.58	867A1094	44590
291	1185	1.48	865A1094	18020
277	1237	3.77	868A1094	58800
275	1251	2.15	866A1194	25613
266	1287	2.58	867A1194	45066
259	1323	1.37	865A1194	18100
256	1332	2.50	868A0792	59320
246	1391	3.77	868A1194	59600
238	1446	2.58	867A2094	45543
225	1521	3.77	868A1294	60200
223	1548	1.24	865A1294	17960
222	1552	1.71	867A0992	45836
219	1566	2.00	866A1294	26082
214	1602	2.58	867A1394	46020
203	1690	1.91	866A1394	26252
203	1688	3.77	868A1394	60900
199	1727	1.16	865A1394	17372
190	1807	2.58	867A1494	46773
186	1849	1.80	866A1494	26652
184	1864	2.50	868A1092	61608
179	1915	1.09	865A1494	17393
172	1993	1.72	866A1594	26933
171	2000	2.58	867A1594	47368
170	2009	3.77	868A1494	62400
163	2096	2.50	868A1192	62780
161	2144	1.02	865A1594	16581
158	2177	1.71	867A1292	47880
153	2230	3.77	868A1594	63400
149	2303	2.58	867A1694	48181
147	2336	3.77	868A1694	63900
144	2403	0.93	865A1694	12700
142	2416	1.71	867A1392	48579
139	2469	1.49	866A1694	27493
135	2544	2.50	868A1392	64768
132	2612	2.27	867A1794	48745
129	2662	3.44	868A1794	65200
126	2719	1.71	867A1492	49375
123	2792	1.35	866A1794	27873
119	2876	2.21	867A1894	49402
118	2911	1.34	866A1894	28073
114	3011	1.71	867A1592	49668
111	3066	3.33	868A1894	66700
105	3254	1.93	867A1994	49098
104	3288	1.23	866A1994	28421
99	3466	1.71	867A1692	49805
98	3502	2.97	868A1994	67981
92	3709	1.67	867A2094	49855
90	3819	0.99	866A2094	26621
90	3805	2.61	868A2094	68981
88	3935	1.51	867A1792	49993
86	3996	2.50	868A1792	69288
82	4183	1.48	867A2194	49865
81	4245	0.89	866A2194	22600
81	4214	2.44	868A2194	69783
79	4326	1.47	867A1892	50155
76	4505	0.98	866A2294	22300
74	4628	1.37	867A2294	50050
74	4632	2.20	868A1892	70620
70	4902	1.28	867A1992	50000
68	5022	0.88	866A2394	19800
68	5026	2.11	868A2294	70489
65	5213	1.22	867A2394	49967
65	5286	1.97	868A1992	71327
62	5556	1.94	868A2394	70879

Fenner Series M Motorised Selection

Double reduction units are shown in normal typeface **Bold typeface indicates triple reduction units**
 See page 171 for fourth digit of code and page 251 for motor details.

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
61	5590	1.11	867A2092	50005
60	5731	1.94	868A2092	72900
58	5888	1.05	867A2494	51215
57	5986	1.75	868A2494	71531
54	6315	1.76	868A2192	74046
52	6555	0.95	867A2594	52800
52	6522	1.53	868A2594	74395
49	6974	0.91	867A2292	50450
46	7355	0.86	867A2694	53400
43	7855	0.81	867A2392	50204
43	7975	1.34	868A2694	73585
39	8614	1.25	868A2794	73200
37	9061	1.10	868A2894	80293
36	9447	1.03	868A4194	65600
35	9804	1.02	868A2994	80900
31	10991	1.00	868A4294	65600
28	12006	0.89	868A2692	69259
27	12464	0.88	868A4394	65600
26	12961	0.83	868A2792	67840
45.0 KW MOTOR				
1023	408	1.77	866A0195	17800
997	420	1.77	865A0195	13100
732	571	1.77	866A0295	19700
724	579	1.72	865A0295	14400
673	622	1.77	866A0395	20200
646	650	1.66	865A0395	14800
593	707	1.77	866A0495	21000
576	727	1.49	865A0495	15300
511	813	3.10	868A0595	50294
508	820	2.12	867A0595	38925
497	840	1.67	865A0595	16200
493	842	1.77	866A0595	22300
463	900	2.12	867A0695	39925
455	919	1.66	866A0695	22600
454	917	3.10	868A0695	51979
447	945	1.15	865A0695	16400
421	995	1.57	866A0795	23100
405	1023	2.12	867A0795	41475
400	1055	1.03	865A0795	16900
386	1075	3.10	868A0795	54449
366	1141	2.12	867A0895	42625
366	1139	3.10	868A0895	55249
361	1158	1.38	865A0895	17300
353	1182	1.77	866A0895	24600
339	1226	2.06	868A0593	56480
334	1254	2.12	867A0995	43700
325	1289	1.77	866A0995	24900
325	1281	3.10	868A0995	57218
322	1303	1.29	865A0995	17500
307	1355	1.41	867A0693	43983
302	1381	2.06	868A0693	57920
299	1397	1.77	866A1095	25100
293	1424	2.12	867A1095	44350
291	1441	1.21	865A1095	17700
277	1504	3.10	868A1095	58588
275	1521	1.77	866A1195	25300
266	1565	2.12	867A1195	44800
259	1610	1.13	865A1195	17700
256	1620	2.06	868A0793	59000
246	1691	3.10	868A1195	59358
238	1759	2.12	867A2095	45250
225	1850	3.10	868A1295	59943
223	1883	1.02	865A1295	17400
222	1888	1.41	867A0993	45420
219	1905	1.65	866A1295	25700
214	1947	2.12	867A1395	45700
203	2055	1.57	866A1395	25800
203	2053	3.10	868A1395	60628
199	2102	0.95	865A1395	16500
190	2197	2.12	867A1495	46400
186	2249	1.48	866A1495	26200
184	2267	2.06	868A1093	61160
179	2329	0.89	865A1495	16400

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
172	2424	1.41	866A1595	26400
171	2433	2.12	867A1595	46875
170	2444	3.10	868A1495	62052
163	2549	2.06	868A1193	62300
161	2608	0.83	865A1595	15200
158	2647	1.41	867A1293	47267
153	2712	3.10	868A1595	63022
149	2802	2.12	867A1695	47475
147	2841	3.10	868A1695	63507
139	3003	1.23	866A1695	26800
135	3094	2.06	868A1393	64160
132	3177	1.87	867A1795	47863
129	3238	2.83	868A1795	64762
126	3307	1.41	867A1493	48586
123	3396	1.11	866A1795	27100
119	3498	1.82	867A1895	48391
118	3540	1.10	866A1895	27300
114	3662	1.41	867A1593	48660
111	3729	2.74	868A1895	66171
105	3958	1.59	867A1995	47540
104	3999	1.02	866A1995	27500
99	4216	1.41	867A1693	48380
98	4259	2.44	868A1995	67275
92	4511	1.37	867A2095	48275
90	4645	0.81	866A2095	24900
90	4628	2.15	868A2095	68275
88	4786	1.24	867A1793	48173
86	4860	2.06	868A1793	68360
82	5088	1.22	867A2195	47925
81	5125	2.02	868A2195	68850
79	5261	1.21	867A1893	48175
74	5629	1.13	867A2295	47850
74	5634	1.81	868A1893	69500
70	5962	1.05	867A1993	47600
68	6113	1.73	868A2295	68830
65	6341	1.00	867A2395	47493
65	6429	1.62	868A1993	69848
62	6757	1.60	868A2395	69020
61	6798	0.91	867A2093	47025
60	6970	1.59	868A2093	71566
58	7161	0.87	867A2495	48500
57	7280	1.44	868A2495	69167
54	7681	1.45	868A2193	72336
52	7932	1.26	868A2595	72575
43	9699	1.10	868A2695	70925
39	10477	1.03	868A2795	70400
37	11020	0.90	868A2895	80200

Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
55.0 KW MOTOR				
511	994	2.53	868A0596	50062
508	1002	1.73	867A0596	38741
463	1100	1.73	867A0696	39741
454	1120	2.53	868A0696	51828
405	1250	1.73	867A0796	41258
386	1314	2.53	868A0796	54260
366	1394	1.73	867A0896	42375
366	1393	2.53	868A0896	55060
339	1498	1.68	868A0597	56200
334	1533	1.73	867A0996	43433
325	1566	2.53	868A0996	56992
307	1657	1.15	867A0697	43600
302	1688	1.68	868A0697	57600
293	1740	1.73	867A1096	44050
277	1839	2.53	868A1096	58324
266	1913	1.73	867A1196	44466
256	1980	1.68	868A0797	58600
246	2067	2.53	868A1196	59056
238	2150	1.73	867A2096	44883
225	2261	2.53	868A1296	59622
222	2307	1.15	867A0997	44900
214	2380	1.73	867A1396	45300
203	2510	2.53	868A1396	60288
190	2686	1.73	867A1496	45933
184	2771	1.68	868A1097	60600
171	2974	1.73	867A1596	46258
170	2987	2.53	868A1496	61618
163	3116	1.68	868A1197	61700
158	3236	1.15	867A1297	46500
153	3315	2.53	868A1596	62550
149	3423	1.73	867A1696	46591
147	3472	2.53	868A1696	63026
135	3782	1.68	868A1397	63400
132	3883	1.53	867A1796	46760
129	3957	2.31	868A1796	64215
126	4042	1.15	867A1497	47600
119	4275	1.49	867A1896	47126
114	4476	1.15	867A1597	47400
111	4557	2.24	868A1896	65511
105	4837	1.30	867A1996	45593
99	5153	1.15	867A1697	46600
98	5206	2.00	868A1996	66391
92	5513	1.12	867A2096	46300
90	5657	1.76	868A2096	67391
88	5850	1.02	867A1797	45900
86	5940	1.68	868A1797	67200
82	6219	1.00	867A2196	45500
81	6264	1.64	868A2196	67683
79	6430	0.99	867A1897	45700
74	6880	0.92	867A2296	45100
74	6886	1.48	868A1897	68100
70	7287	0.86	867A1997	44600
68	7472	1.42	868A2296	66757
65	7750	0.82	867A2396	44400
65	7858	1.32	868A1997	68000
62	8259	1.31	868A2396	66674
60	8519	1.30	868A2097	69900
57	8898	1.18	868A2496	66211
54	9388	1.18	868A2197	70200
52	9695	1.03	868A2596	70300
43	11855	0.90	868A2696	67600
39	12805	0.84	868A2796	66900

Fenner Series M Motorised Selection

Other motor and ratio combinations than those shown in the Selection tables are available.
For advice consult your local Authorised Distributor.

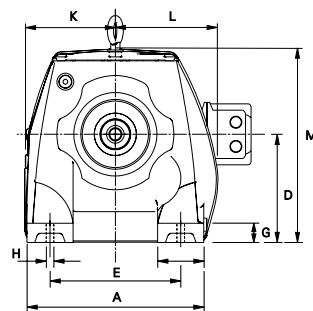
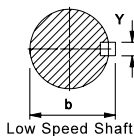
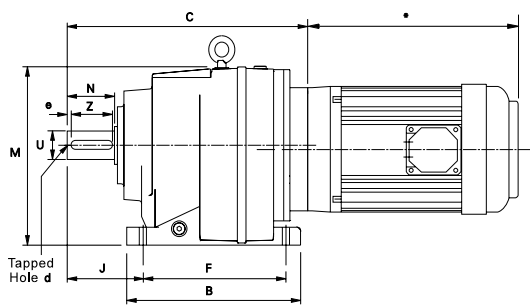


Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
75.0 KW MOTOR				
514	1347	1.87	868A0598	49798
511	1358	1.28	867A0598	38375
466	1491	1.28	867A0698	39375
457	1518	1.87	868A0698	51526
408	1694	1.28	867A0798	40825
389	1780	1.87	868A0798	53883
369	1889	1.28	867A0898	41875
369	1886	1.87	868A0898	54683
336	2076	1.28	867A0998	42900
327	2122	1.87	868A0998	56539
295	2357	1.28	867A1098	43450
278	2490	1.87	868A1098	57796
268	2592	1.28	867A1198	43800
247	2802	1.87	868A1198	58452
239	2912	1.28	867A2098	44150
227	3062	1.87	868A1298	58981
216	3224	1.28	867A1398	44500
204	3399	1.87	868A1398	59609
191	3638	1.28	867A1498	45000
172	4028	1.28	867A1598	45025
171	4046	1.87	868A1498	60750
154	4490	1.87	868A1598	61607
150	4637	1.28	867A1698	44825
148	4703	1.87	868A1698	62035
133	5259	1.13	867A1798	44554
130	5360	1.71	868A1798	63120
120	5791	1.10	867A1898	44597
111	6173	1.65	868A1898	64190
106	6552	0.96	867A1998	41700
98	7052	1.47	868A1998	64625
90	7662	1.30	868A2098	65625
82	8484	1.21	868A2198	65350
68	10220	1.05	868A2298	62610
62	11186	0.97	868A2398	62003
57	12052	0.87	868A2498	60300

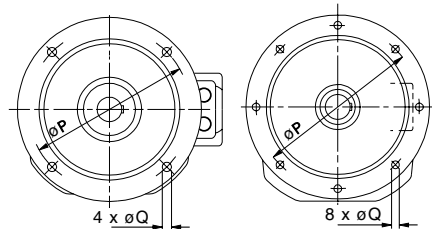
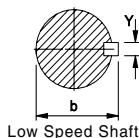
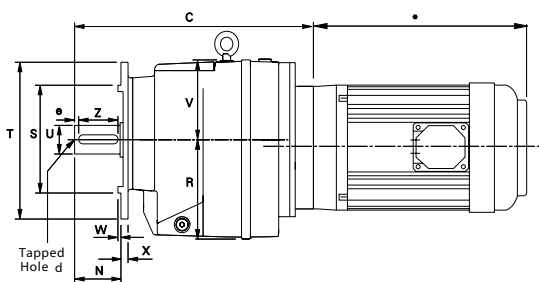
Nominal Output Rev/Min	Output Torque Nm	Max Service Factor	Unit Selection	Overhung Load N
90.0 KW MOTOR				
514	1616	1.56	868A0599	49600
511	1630	1.07	867A0599	38100
466	1789	1.07	867A0699	39100
457	1821	1.56	868A0699	51300
408	2033	1.07	867A0799	40500
389	2136	1.56	868A0799	53600
369	2267	1.07	867A0899	41500
369	2264	1.56	868A0899	54400
336	2492	1.07	867A0999	42500
327	2546	1.56	868A0999	56200
295	2829	1.07	867A1099	43000
278	2989	1.56	868A1099	57400
268	3110	1.07	867A1199	43300
247	3361	1.56	868A1199	58000
239	3494	1.07	867A2099	43600
227	3675	1.56	868A1299	58500
216	3869	1.07	867A1399	43900
204	4079	1.56	868A1399	59100
191	4365	1.07	867A1499	44300
172	4834	1.07	867A1599	44100
171	4855	1.56	868A1499	60200
154	5388	1.56	868A1599	60900
150	5565	1.07	867A1699	43500
148	5644	1.56	868A1699	61300
133	6311	0.94	867A1799	42900
130	6432	1.42	868A1799	62300
120	6949	0.91	867A1899	42700
111	7407	1.38	868A1899	63200
98	8462	1.23	868A1999	63300
90	9195	1.08	868A2099	64300
82	10281	1.02	868A2199	63600
68	12144	0.87	868A2299	59500
62	13424	0.80	868A2399	58500



FOOT MOUNTED



FLANGE MOUNTED



4 holes Q dia on P. p.c.d. (sizes 860-864)

8 holes Q dia on P. p.c.d. (sizes 865-868)

*for motor dimensions see page 251

Unit Size	A	B	D	E	F	G	H	J	K	L	M	N	P	Q	R	S*	T*	U	V	W	X	Y	Z	d	b	e
860	135	131	75	110	110	12	10	58	76	76	149	40	130	9.0	76	110	160	20/k6	74	3.5	10	6	32	M6	22.5	4
801	145	152	90	110	130	16	10	75	84	86	180	50	130	9.0	91	110	160	25/k6	90	3.5	10	8	40	M10	28.0	4
861	145	152	90	110	130	16	10	75	84	86	180	50	165	11.0	91	130	200	25/k6	90	3.5	10	8	40	M10	28.0	4
802	190	200	115	135	165	20	15	90	97	107	208	60	165	11.0	115	130	200	30/k6	93	3.5	11	8	50	M10	33.0	4
862	190	200	115	135	165	20	15	100	97	107	208	70	215	13.5	115	180	250	35/k6	93	4.0	11	8	60	M12	33.0	7
803	210	235	130	150	195	24	15	100	110	110	214	70	215	13.5	130	180	250	35/k6	84	4.0	11	10	60	M12	38.0	7
863	230	245	140	170	205	25	19	115	119	133	250	80	265	13.5	140	230	300	40/k6	110	4.0	11	12	70	M16	43.0	5
864	290	310	180	215	260	35	19	140	167	153	310	100	300	17.5	182	250	350	50/k6	130	5.0	17	14	80	M16	53.5	10
865	340	365	225	250	310	40	23	160	200	172	394	120	400	18.0	230	350	450	60/m6	169	5.0	18	18	100	M20	64.0	10
866	400	440	250	290	370	45	27	185	225	203	446	140	400	18.0	260	350	450	70/m6	196	5.0	22	20	110	M20	74.5	15
867	450	490	265	340	410	50	34	220	242	228	483	170	500	18.0	278	450	500	90/m6	218	5.0	25	25	140	M24	95.0	15
868	530	590	300	380	500	50	41	260	278	268	551	210	500	18.0	318	500	500	100/m6	251	5.0	25	28	180	M24	106.0	15

For selection and ratings of reducer assemblies consult your local Authorised Distributor.

*The unit will be supplied with this plug diameter unless otherwise specified. For a list of alternative flange diameters see table below.

DIMENSION 'C' FOR ALL UNITS

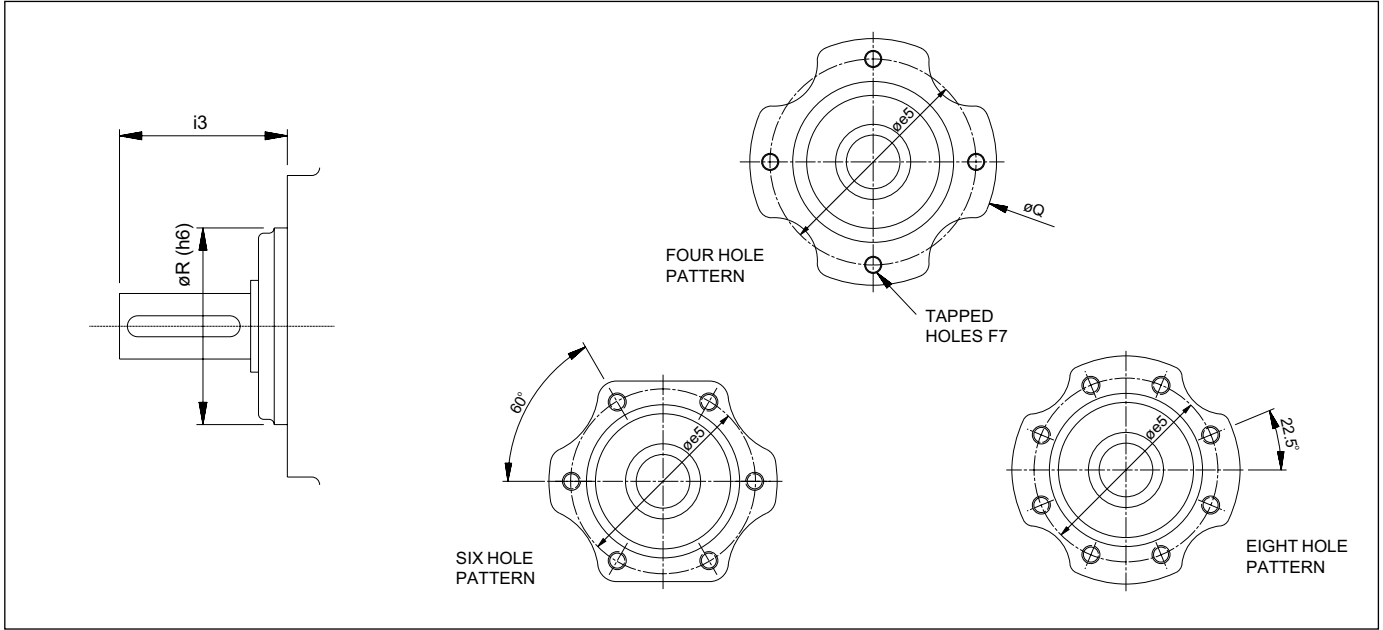
Unit Size		Motor Frame Size																									
		63	71	80	90	100	112	132	160	180	200	225	250	280													
860	Double	209	213	226	236																						
	Triple	224	228	241	251																						
801	Double	240	244	257	267																						
	Triple	253	257	270	280																						
861	Double	240	244	257	267																						
	Triple	253	257	270	280																						
802	Double			294	304	329	329																				
	Triple	300	304	317	327																						
862	Double			304	314	339	339																				
	Triple	310	314	327	337																						
803	Double			325	335	360	360																				
	Triple	331	335	348	358																						
863	Double			362	372	382	382	384																			
	Triple			377	387	412	412																				
864	Double			442	442	442	442	448																			
	Triple			462	472	482	482																				
865	Double			524	523	523	523	523	564	564	564	591															
	Triple			549	549	555	555																				
866	Double					596	596	596	631	631	631	658															
	Triple			647	647	647	647	688	688																		
867	Double					717	717	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710	710
	Triple					779	779	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772	772
868	Double					832	832	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825	825
	Triple					904	904	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897

ALTERNATIVE GEARBOX FLANGE SIZES

Unit Size	P	Q	S	T	W	X
860	100	9.0	80	120	3.0	9
	115	9.0	95	140	3.0	9
	165	11.0	130	200	3.5	10
801	100	6.6	80	120	3.0	10
	115	9.0	95	140	3.0	10
	165	11.0	130	200	3.5	10
861	100	6.6	80	120	3.0	10
	115	9.0	95	140	3.0	10
	130	9.0	110	160	3.5	10
802	115	9.0	95	140	3.0	11
	130	9.0	110	160	3.5	11
	215	13.5	180	250	4.0	11
862	115	9.0	95	140	3.0	11
	130	9.0	110	160	3.5	11
	165	11.0	130	200	3.5	11
803	165	11.0	130	200	4.0	11
	265	13.5	230	300	4.0	11
	863	165	11.0	130	200	3.5
215		13.5	180	250	4.0	11
864		265	13.5	230	300	4.0



C-FLANGE (B14) MOUNTING



Unit Size	$\phi e5$	F7	$i3$	ϕQ	ϕR
860	75 pcd	4 Holes M8 x 1.25 12 Deep	54	98	52
801/861	96 pcd	4 Holes M8 x 1.25 15 Deep	62 / 62	115	75
802/862	105 pcd	4 Holes M12 x 1.75 21 Deep	74 / 84	130	85
803/863	124 pcd	6 Holes M12 x 1.75 21 Deep	84 / 94	152	102
864	170 pcd	8 Holes M12 x 1.75 21 Deep	120	195	145



SELECTION OF NON-MOTORISED REDUCER UNITS

(a) Service Factor

From Table 1 select the Mechanical Service Factor (Fm) applicable to the drive. If the unit is to be subjected to frequent stop/starts in excess of 10 times per day then multiply factor Fm by Factor Fs from table 2.

(b) Power Required

Determine either the absorbed torque (Nm) or the input power (kW) required by the machine.

The absorbed Torque can be calculated using the following formula:

$$T = \frac{P \times 9550}{N2}$$

N2

T = required output torque (Nm)

P = absorbed power (kW)

N2 = machine speed (Rev/Min)

(c) Design Power

Multiply either the absorbed torque (Nm) or the power (kW) by the service factor determined in (a)

(d) Ratio Required

Divide the input shaft speed by the required output shaft speed to determine the gear ratio.

(e) Unit Selection

In the selection pages: 159 to 164 refer to the gear ratio closest to the value determined in step (d).

Check in column 2 for the nearest input shaft speed, then read across the table at this speed until a unit is found with either an output torque or input power that equals or exceeds the design power value determined in step (c) above. Column 3 gives the approximate output shaft speed for the selected speed and ratio combination.

TABLE 1 - MECHANICAL SERVICE FACTOR FM

Types of Driven Machine	Operational hours per day		
	under 3	3 to 10	over 10
Uniform Loads Agitators and Mixers – liquid or semi-liquid Blowers – centrifugal Bottling Machines Conveyors and Elevators – uniformly loaded Cookers Laundry Washing Machines – non-reversing Line Shafts Pumps – centrifugal and gear Wire Drawing Machines	0.80	1.00	1.50
Moderate Shock Loads Agitators and Mixers – variable density Conveyors – not uniformly loaded Cranes, travel motion and hoisting Drawbench Feeders – pulsating load Hoists Kilns Laundry Tumblers Lifts Pumps – reciprocating with 3 or more cylinders Pulp and Paper Making Machinery Rubber Mixers and Calenders Screens – rotary Textile Machinery	1.00	1.25	1.75
Heavy Shock Loads Brick Presses Briquetting Machines Conveyors – reciprocating and shaker Crushers Feeders – reciprocating Hammer Mills Pumps – reciprocating, 1 or 2 cylinders Rubber Masticators Screens – vibrating	1.25	1.50	2.00

For High Inertia Applications, consult your authorised distributor for verification of selection

*** See page 252 for notes on reducing service factors**

TABLE 2 - STARTING SERVICE FACTOR FS

Factor Fs	Start/stops per hour					
	Up to 1	5	10	40	60	>200
	1	1.03	1.06	1.1	1.15	1.2

Fenner Series M Non Motorised Selection



DOUBLE REDUCTION RATINGS SIZES 860, 801, 861, 803

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	860			801			861			802		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
3.6	2900	806	3.97	47	0.98	7.00	79	3.00	8.45	96	2.05	14.20	161	2.05
	1450	403	2.49	59	0.98	4.39	100	3.10	5.18	118	2.30	8.87	203	2.30
	960	267	1.89	68	0.98	3.33	115	3.10	3.88	134	2.30	6.72	233	2.60
	725	201	1.53	73	0.98	2.74	126	3.10	3.18	146	2.30	5.57	256	3.45
5	2900	580	3.34	54	0.98	5.76	92	3.00	6.87	110	2.05	11.80	188	2.05
	1450	290	2.09	68	0.98	3.61	116	3.10	4.22	135	2.30	7.37	237	2.45
	960	192	1.55	76	0.98	2.70	131	3.10	3.16	153	2.30	5.59	272	3.20
	725	145	1.22	79	1.00	2.13	137	3.15	2.59	167	2.30	4.49	290	4.60
5.6	2900	518	3.10	57	0.98	5.44	96	3.05	6.47	114	2.05	11.00	198	2.05
	1450	259	1.95	71	0.98	3.41	121	3.10	3.97	140	2.30	6.91	249	2.60
	960	171	1.41	78	1.00	2.50	134	3.10	2.97	159	2.30	5.23	286	3.40
	725	129	1.11	82	1.02	1.97	140	3.15	2.44	173	2.30	4.12	298	4.70
6.3	2900	460	2.87	60	0.98	5.04	101	3.05	5.98	120	2.10	10.30	208	2.10
	1450	230	1.80	75	0.98	3.16	127	3.10	3.67	147	2.30	6.46	262	2.90
	960	152	1.27	80	1.00	2.27	138	3.10	2.74	167	2.30	4.79	294	4.60
	725	115	1.01	84	1.04	1.80	145	3.20	2.25	182	2.35	3.78	307	4.75
8	2900	363	2.48	66	0.98	4.36	111	3.10	5.13	130	2.10	8.94	229	2.30
	1450	181	1.49	79	0.98	2.67	136	3.10	3.15	161	2.30	5.61	289	3.45
	960	120	1.06	85	1.04	1.88	145	3.25	2.36	182	2.35	3.99	310	4.70
	725	91	0.84	90	1.18	1.51	154	3.50	1.93	198	2.40	3.16	326	5.10
9	2900	322	2.36	67	0.98	4.02	116	3.10	4.71	136	2.10	8.29	241	2.40
	1450	161	1.40	80	1.00	2.41	140	3.10	2.89	168	2.30	5.13	299	4.60
	960	107	1.00	87	1.09	1.71	150	3.40	2.17	190	2.35	3.61	319	4.85
	725	81	0.78	90	1.30	1.37	159	3.90	1.78	207	2.50	2.89	338	6.00
11	2900	264	2.04	74	0.98	3.53	125	3.10	4.11	146	2.10	7.44	258	2.60
	1450	132	1.16	84	1.02	2.04	145	3.15	2.52	179	2.30	4.46	311	4.70
	960	87	0.82	90	1.30	1.46	158	3.55	1.89	203	2.40	3.17	333	5.55
	725	66	0.62	90	1.45	1.12	160	4.00	1.47	209	2.75	2.42	338	6.40
12	2900	242	1.89	77	0.98	3.31	130	3.10	3.84	151	2.15	6.82	272	2.90
	1450	121	1.06	87	1.04	1.88	148	3.20	2.36	186	2.35	3.99	320	4.75
	960	80	0.72	90	1.40	1.34	160	3.70	1.75	209	2.55	2.79	338	6.00
	725	60	0.55	90	1.50	1.01	160	4.00	1.32	209	2.80	2.11	338	6.40
14	2900	207	1.70	80	0.98	3.05	136	3.10	3.52	158	2.15	6.20	288	3.10
	1450	104	0.96	90	1.09	1.71	153	3.30	2.16	194	2.35	3.53	329	4.85
	960	69	0.63	90	1.40	1.18	160	3.85	1.54	209	2.75	2.40	338	6.40
	725	52	0.48	90	1.50	0.89	160	4.00	1.16	209	2.85	1.81	338	6.70
16	2900	181	1.56	81	0.98	2.79	141	3.10	3.28	166	2.15	5.86	304	3.50
	1450	91	0.86	90	1.18	1.57	160	3.50	2.02	205	2.40	3.25	338	5.10
	960	60	0.57	90	1.45	1.04	160	4.00	1.36	209	2.80	2.15	338	6.50
	725	45	0.43	90	1.50	0.79	160	4.00	1.03	209	2.90	1.62	338	7.10
18	2900	161	1.44	83	1.00	2.54	142	3.10	3.03	169	2.30	5.52	306	4.50
	1450	81	0.78	90	1.35	1.43	160	3.90	1.86	208	2.45	3.04	338	5.55
	960	53	0.52	90	1.48	0.94	160	4.00	1.23	209	2.80	2.01	338	6.70
	725	40	0.39	90	1.60	0.71	160	4.00	0.93	209	3.05	1.52	338	7.20
20	2900	145	1.33	84	1.00	2.26	145	3.15	2.76	177	2.30	4.81	315	4.60
	1450	73	0.71	90	1.40	1.24	160	3.95	1.62	209	2.60	2.57	338	6.00
	960	48	0.47	90	1.50	0.82	160	4.00	1.07	209	2.90	1.70	338	7.10
	725	36	0.35	90	1.60	0.62	160	4.00	0.81	209	3.10	1.28	338	7.20
22	2900	132	1.17	86	1.02	2.11	147	3.15	2.61	182	2.30	4.56	319	4.70
	1450	66	0.61	90	1.45	1.14	160	4.00	1.49	209	2.75	2.41	338	6.40
	960	44	0.40	90	1.55	0.76	160	4.00	0.99	209	3.05	1.59	338	7.10
	725	33	0.30	90	1.90	0.57	160	4.00	0.75	209	3.10	1.20	338	7.20
28	2900	104	1.01	90	1.05	1.83	153	3.20	2.30	193	2.35	3.82	331	4.80
	1450	52	0.51	90	1.48	0.95	160	4.00	1.25	209	2.80	1.94	338	6.70
	960	34	0.34	90	1.60	0.63	160	4.00	0.82	209	3.10	1.29	338	7.20
	725	26	0.25	90	1.90	0.48	160	4.00	0.62	209	3.15	0.97	338	7.20
32	2900	91	0.87	90	1.18	1.59	160	3.50	2.04	205	2.40	3.31	338	5.10
	1450	45	0.44	90	1.50	0.80	160	4.00	1.04	209	2.90	1.65	338	7.10
	960	30	0.29	90	1.90	0.53	160	4.00	0.69	209	3.10	1.09	338	7.20
	725	23	0.22	90	1.90	0.40	160	4.00	0.52	209	3.15	0.82	338	7.20
36	2900	81	0.79	90	1.35	1.42	160	3.90	1.85	209	2.45	3.02	338	8.55
	1450	40	0.39	90	1.60	0.71	160	4.00	0.92	209	3.05	1.51	338	7.20
	960	27	0.26	90	1.90	0.47	160	4.00	0.61	209	3.15	1.00	338	7.20
	725	20	0.20	90	1.90	0.35	160	4.00	0.46	209	3.15	0.75	338	7.20
45	2900	64	0.61	84	1.45	1.22	160	4.00	1.43	188	2.60	2.47	338	6.40
	1450	32	0.30	84	1.90	0.61	160	4.00	0.75	199	3.10	1.23	338	7.20
	960	21	0.20	84	1.90	0.40	160	4.00	0.52	206	3.15	0.82	338	7.20
	725	16	0.15	84	1.90	0.30	160	4.00	0.40	209	3.15	0.62	338	7.20
50	2900	58	0.46	72	1.48	1.07	160	4.00	1.29	192	2.75	2.22	338	6.50
	1450	29	0.23	72	1.90	0.54	160	4.00	0.68	203	3.10	1.11	338	7.20
	960	19	0.15	72	1.90	0.35	160	4.00	0.46	208	3.15	0.73	338	7.20
	725	15	0.11	72	1.90	0.27	160	4.00	0.35	208	3.15	0.55	338	7.20
56	2900	52	0.40	71	1.50	0.95	160	4.00	1.21	205	2.80	1.58	269	6.70
	1450	26	0.20	71	1.90	0.47	160	4.00	0.61	206	3.15	0.79	270	7.20
	960	17	0.13	71	1.90	0.31	160	4.00	0.40	206	3.15	0.52	270	7.20
	725	13	0.10	71	1.90	0.24	160	4.00	0.30	206	3.15	0.40	270	7.20

Fenner Series M Non Motorised Selection

DOUBLE REDUCTION RATINGS SIZES 862, 803, 863 AND 864

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	862			803			863			864		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
3.6	2900	806	23.10	263	2.80	-	-	-	26.10	304	3.50	41.30	479	5.50
	1450	403	12.80	292	2.80	-	-	-	13.10	306	3.50	20.70	483	6.20
	960	267	8.44	293	2.80	-	-	-	8.65	307	3.50	13.70	484	6.25
	725	201	6.38	293	2.80	-	-	-	6.53	307	3.50	10.30	485	6.36
5	2900	580	19.70	317	2.80	23.10	326	4.00	26.10	423	3.50	41.30	683	5.60
	1450	290	11.80	382	2.80	12.80	362	4.35	13.10	425	3.50	20.70	686	6.20
	960	192	7.84	383	2.80	8.44	363	4.45	8.65	425	3.50	13.70	688	6.35
	725	145	5.92	383	2.85	6.38	363	4.50	6.53	426	3.50	10.30	688	6.50
5.6	2900	518	18.60	336	2.80	19.70	393	4.10	24.50	447	3.50	41.30	760	5.80
	1450	259	11.30	409	2.80	11.80	473	4.45	13.10	477	3.50	20.70	763	6.25
	960	171	7.54	412	2.80	7.84	474	4.50	8.65	478	3.50	13.70	764	6.40
	725	129	5.69	413	2.85	5.92	474	5.00	6.53	478	3.50	10.30	765	6.60
6.3	2900	460	17.50	354	2.80	18.60	416	4.20	23.2	464	3.50	40.60	832	6.00
	1450	230	10.20	413	2.85	11.40	510	4.45	13.10	525	3.50	20.70	849	6.30
	960	152	6.74	413	2.90	7.54	511	4.60	8.65	526	3.50	13.70	851	6.50
	725	115	5.09	414	2.90	5.69	511	5.20	6.53	526	3.50	10.30	851	6.70
8	2900	363	14.80	381	2.80	17.50	438	4.30	19.90	519	3.50	34.90	926	6.20
	1450	181	8.55	441	2.85	10.20	512	4.45	12.50	655	3.50	20.70	1100	6.35
	960	120	5.77	450	2.90	6.74	512	4.70	8.65	687	3.50	13.70	1100	6.70
	725	91	4.36	450	2.95	5.09	512	5.20	6.53	687	3.60	10.30	1100	7.25
9	2900	322	13.40	391	2.80	15.20	484	4.35	18.40	547	3.50	32.50	967	6.20
	1450	161	7.69	450	2.90	9.30	594	4.50	11.50	689	3.50	20.50	1220	6.50
	960	107	5.09	450	2.95	6.15	594	5.20	8.24	743	3.50	13.70	1240	7.10
	725	81	3.84	450	3.00	4.64	594	6.50	6.52	780	3.70	10.30	1240	8.00
11	2900	264	11.70	406	2.80	14.00	507	4.45	16.30	589	3.50	28.40	1040	6.20
	1450	132	6.45	450	2.90	8.34	604	4.70	10.00	726	3.50	17.90	1310	6.60
	960	87	4.27	450	2.95	5.55	607	5.85	7.06	773	3.60	13.60	1500	7.50
	725	66	3.22	450	4.00	4.19	607	7.20	5.59	811	4.25	10.30	1520	9.00
12	2900	242	10.50	418	2.85	12.50	538	4.45	15.40	611	3.50	25.80	1060	6.30
	1450	121	5.31	426	2.90	7.11	613	5.20	9.28	740	3.60	16.30	1340	6.90
	960	80	3.52	427	3.25	4.79	625	6.50	6.58	793	3.70	12.40	1540	8.50
	725	60	2.66	427	4.20	3.62	625	7.20	5.13	819	4.20	10.20	1690	9.00
14	2900	207	9.28	432	2.85	10.60	527	4.45	14.10	644	3.50	23.30	1120	6.30
	1450	104	4.82	450	2.95	5.31	528	5.20	8.31	761	3.60	14.70	1410	6.90
	960	69	3.19	450	4.00	3.52	528	7.20	5.84	808	4.00	11.20	1620	9.00
	725	52	2.41	450	4.25	2.66	528	7.20	4.53	830	4.50	8.82	1700	9.50
16	2900	181	8.50	442	2.85	10.10	584	4.50	13.20	684	3.50	21.70	1150	6.38
	1450	91	4.32	450	2.95	5.16	596	5.85	7.58	786	3.50	13.40	1420	7.25
	960	60	2.86	450	4.10	3.42	597	7.20	5.22	818	4.20	8.85	1420	9.00
	725	45	2.16	450	4.50	2.58	597	7.20	4.05	841	4.65	6.68	1420	9.50
18	2900	161	8.08	448	2.90	9.28	598	4.50	12.30	700	3.50	19.90	1160	6.50
	1450	81	4.05	450	3.00	4.85	626	6.50	6.93	794	3.60	11.70	1360	8.00
	960	53	2.68	450	4.20	3.21	626	7.20	4.77	826	4.50	7.74	1360	9.25
	725	40	2.02	450	4.50	2.42	626	7.20	3.71	849	5.10	5.85	1360	10.00
20	2900	145	6.85	450	2.90	8.75	601	4.60	11.20	731	3.50	18.30	1200	6.50
	1450	73	3.42	450	3.50	4.55	626	7.20	6.14	804	3.90	11.10	1460	8.50
	960	48	2.26	450	4.50	3.01	626	7.20	4.23	837	4.60	7.34	1460	9.50
	725	36	1.71	450	5.60	2.27	626	7.20	3.28	861	6.25	5.54	1460	12.30
22	2900	132	6.41	450	2.90	7.50	610	4.90	10.10	748	3.50	16.60	1230	6.60
	1450	66	3.20	450	4.00	3.84	626	7.20	5.50	813	4.20	10.30	1540	9.00
	960	44	2.12	450	4.50	2.54	626	7.20	3.79	847	5.10	6.84	1540	10.00
	725	33	1.60	450	6.30	1.92	626	7.20	2.93	867	7.40	5.16	1540	12.30
28	2900	104	5.17	450	2.90	7.07	614	5.20	8.97	768	3.50	14.00	1260	6.90
	1450	52	2.58	450	4.25	3.60	626	7.20	4.81	825	4.50	8.80	1580	9.25
	960	34	1.71	450	5.60	2.38	626	7.20	3.32	860	6.25	6.13	1670	12.30
	725	26	1.29	450	7.20	1.80	626	7.20	2.53	867	8.00	4.63	1670	14.00
32	2900	91	4.39	450	2.95	5.81	626	5.80	7.70	786	3.50	12.2	1280	7.25
	1450	45	2.19	450	4.50	2.90	626	7.20	4.11	840	4.65	7.72	1620	9.50
	960	30	1.45	450	6.30	1.92	626	7.20	2.81	867	7.40	5.36	1700	13.50
	725	23	1.10	450	7.20	1.45	626	7.20	2.12	868	9.20	4.04	1700	16.20
36	2900	81	4.02	450	3.00	4.93	626	6.50	7.10	792	3.60	11.40	1310	8.00
	1450	40	2.01	450	5.00	2.47	626	7.20	3.79	847	5.10	7.18	1650	10.00
	960	27	1.33	450	7.20	1.63	626	7.20	2.57	867	8.00	4.88	1700	14.00
	725	20	1.00	450	7.20	1.23	626	7.20	1.94	868	9.20	3.69	1700	16.20
45	2900	64	3.03	415	4.00	4.51	626	7.20	6.03	806	3.90	9.51	1340	9.00
	1450	32	1.55	424	5.60	2.25	626	7.20	3.23	863	6.25	5.99	1690	12.30
	960	21	1.06	439	7.20	1.49	626	7.20	2.15	868	9.20	3.98	1700	16.20
	725	16	0.82	450	7.20	1.13	626	7.20	1.62	868	9.20	3.01	1700	16.20
50	2900	58	2.48	379	4.00	3.03	514	7.20	4.56	700	4.20	8.79	1350	9.20
	1450	29	1.24	379	6.30	1.55	526	7.20	2.28	700	7.40	5.48	1690	13.50
	960	19	0.82	379	7.20	1.06	544	7.20	1.51	701	9.20	3.65	1700	16.20
	725	15	0.62	379	7.20	0.82	557	7.20	1.14	701	9.20	2.76	1700	16.20
56	2900	52	1.58	269	4.25	2.48	469	7.20	3.49	595	4.50	7.72	1360	9.25
	1450	26	0.79	270	7.20	1.24	470	7.20	1.75	596	9.20	4.36	1540	16.20
	960	17	0.52	270	7.20	0.82	470	7.20	1.16	596	9.20	2.91	1550	16.20
	725	13	0.40	270	7.20	0.62	470	7.20	0.87	596	9.20	2.19	1550	16.20

Fenner Series M Non Motorised Selection



DOUBLE REDUCTION RATINGS SIZES 865 - 868

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	865			866			867			868		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
1.4	2900	2071	96.10	452	10.00	156.00	719	12.00	-	-	-	-	-	-
	1450	1036	60.60	574	10.00	78.20	722	12.00	-	-	-	-	-	-
	960	686	46.00	661	10.10	51.80	722	12.20	-	-	-	-	-	-
	725	518	38.20	727	10.10	39.10	723	12.20	-	-	-	-	-	-
1.8	2900	1611	82.20	534	10.00	156.00	1010	12.00	-	-	-	-	-	-
	1450	806	51.80	677	10.10	78.20	1010	12.20	-	-	-	-	-	-
	960	533	39.30	779	10.10	51.80	1010	12.20	-	-	-	-	-	-
	725	403	32.60	856	10.20	39.10	1010	12.30	-	-	-	-	-	-
2.2	2900	1318	77.50	565	10.00	156.00	1100	12.00	-	-	-	-	-	-
	1450	659	48.80	716	10.10	78.20	1100	12.20	-	-	-	-	-	-
	960	436	37.10	824	10.20	51.80	1100	12.30	-	-	-	-	-	-
	725	330	30.80	906	10.20	39.10	1100	12.30	-	-	-	-	-	-
2.5	2900	1160	72.90	596	10.00	147.00	1170	12.00	-	-	-	-	-	-
	1450	580	45.90	756	10.10	78.20	1250	12.20	-	-	-	-	-	-
	960	384	34.90	869	10.20	51.80	1250	12.30	-	-	-	-	-	-
	725	290	28.90	956	10.40	39.10	1250	12.40	-	-	-	-	-	-
2.8	2900	1036	96.10	909	10.00	156.00	1490	12.00	195.00	1810	28.00	274.00	2520	35.00
	1450	518	60.60	1150	10.10	78.20	1490	12.20	97.40	1810	28.70	137.00	2520	36.00
	960	343	46.00	1320	10.20	51.80	1500	12.30	64.50	1810	29.50	90.60	2520	37.50
	725	259	38.20	1460	10.40	39.10	1500	12.40	48.70	1810	30.00	68.50	2520	38.00
3.2	2900	906	63.60	671	10.10	126.00	1310	12.20	195.00	1980	28.30	274.00	2840	35.50
	1450	453	40.00	850	10.20	75.20	1570	12.30	97.40	1990	29.20	137.00	2840	37.00
	960	300	30.40	978	10.40	49.80	1570	12.40	64.50	1990	30.00	90.60	2840	38.00
	725	227	25.20	1070	10.60	37.60	1570	12.40	48.70	1990	31.00	68.50	2840	39.00
3.6	2900	806	58.60	692	10.10	118.00	1330	12.20	195.00	2250	28.30	274.00	3320	35.50
	1450	403	36.90	876	10.20	69.70	1570	12.30	97.40	2260	29.20	137.00	3330	37.00
	960	267	28.10	1010	10.40	46.10	1570	12.40	64.50	2260	30.00	90.60	3330	38.00
	725	201	22.80	1090	10.60	34.80	1570	12.40	48.70	2260	31.00	68.50	3330	39.00
4.0	2900	725	82.20	1070	10.10	156.00	2090	12.20	195.00	2510	28.30	274.00	3520	35.50
	1450	363	51.80	1360	10.20	78.20	2090	12.30	97.40	2510	29.50	137.00	3530	37.50
	960	240	39.30	1560	10.60	51.80	2090	12.40	64.50	2510	31.00	90.60	3530	39.00
	725	181	32.60	1710	10.80	39.10	2100	12.50	48.70	2510	32.50	68.50	3530	40.00
4.5	2900	644	77.50	1130	10.10	152.00	2200	12.20	195.00	2760	28.30	274.00	3970	35.50
	1450	322	48.80	1440	10.20	78.20	2280	12.30	97.40	2760	29.50	137.00	3970	37.50
	960	213	37.10	1650	10.60	51.80	2280	12.40	64.50	2760	31.00	90.60	3970	39.00
	725	161	30.80	1810	10.80	39.10	2280	12.50	48.70	2760	32.50	68.50	3970	40.00
5.0	2900	580	82.20	1330	10.10	144.00	2260	12.20	195.00	3130	28.70	274.00	4650	36.00
	1450	290	51.80	1680	10.40	78.20	2470	12.40	97.40	3140	30.00	137.00	4660	38.00
	960	192	39.30	1930	10.80	51.80	2470	12.50	64.50	3140	32.50	90.60	4660	40.00
	725	145	32.60	2120	11.00	39.10	2470	12.50	48.70	3140	35.00	68.50	4660	41.00
5.6	2900	518	77.50	1410	10.10	137.00	2340	12.20	195.00	3440	28.70	274.00	5240	36.00
	1450	259	48.80	1780	10.40	78.20	2690	12.40	97.40	3450	30.00	137.00	5240	38.00
	960	171	37.10	2040	10.80	51.80	2690	12.50	64.50	3450	32.50	90.60	5240	40.00
	725	129	30.70	2250	11.00	39.10	2690	12.50	48.70	3450	35.00	68.50	5240	41.00
6.3	2900	460	63.60	1350	10.20	119.00	2550	12.30	195.00	3880	29.20	274.00	5730	37.00
	1450	230	40.0	1700	10.60	72.90	3140	12.40	97.40	3880	31.00	137.00	5730	39.00
	960	152	30.40	1960	11.00	51.80	3370	12.50	64.50	3880	35.00	90.60	5730	41.00
	725	115	25.20	2150	11.40	39.10	3370	13.00	48.70	3880	38.00	68.50	5730	43.00
7.1	2900	408	58.60	1390	10.20	113.00	2620	12.30	195.00	4300	29.20	274.00	6370	37.00
	1450	204	36.90	1760	10.60	69.50	3230	12.40	97.40	4300	31.00	137.00	6360	39.00
	960	135	28.10	2020	11.00	51.80	3640	12.50	64.50	4300	35.00	90.60	6360	41.00
	725	102	23.30	2220	11.40	39.10	3640	13.00	48.70	4300	38.00	68.50	6370	43.00
8	2900	363	63.60	1670	10.20	107.00	2700	12.30	195.00	4840	29.50	274.00	7570	37.50
	1450	181	39.50	2080	10.80	65.50	3330	12.50	97.40	4840	32.50	137.00	7570	40.00
	960	120	29.60	2360	11.40	49.00	3760	13.00	64.50	4840	38.00	90.60	7570	43.00
	725	91	24.30	2560	13.00	39.10	3980	15.00	48.70	4850	42.00	68.50	7570	46.00
9	2900	322	58.60	1720	10.20	102.00	2780	12.30	186.00	5110	29.50	274.00	8410	37.50
	1450	161	36.80	2170	10.80	62.40	3420	12.50	97.40	5360	32.50	137.00	8400	40.00
	960	107	27.50	2450	11.40	46.70	3870	13.00	64.50	5370	38.00	90.60	8400	43.00
	725	81	22.60	2670	13.00	38.30	4210	15.00	48.70	5370	42.00	68.50	8410	46.00
10	2900	290	47.40	1560	10.40	88.30	2990	12.40	173.00	5470	30.00	248.00	7980	38.00
	1450	145	29.80	1970	11.00	54.20	3680	12.50	97.40	6170	35.00	137.00	8800	41.00
	960	96	22.70	2260	13.00	36.80	3770	15.00	64.50	6180	42.00	90.60	8810	46.00
	725	73	18.80	2480	15.70	27.80	3770	15.90	48.70	6180	45.00	68.50	8810	52.00
11	2900	264	43.10	1610	10.40	81.40	3120	12.40	165.00	5900	30.00	227.00	8270	38.00
	1450	132	27.10	2040	11.00	49.10	3770	12.50	82.70	5940	35.00	137.00	9980	41.00
	960	87	20.60	2340	13.00	32.50	3770	15.00	54.70	5940	42.00	90.60	9990	46.00
	725	66	17.10	2570	15.70	24.50	3770	15.90	41.30	5940	45.00	68.40	9990	52.00

DOUBLE REDUCTION RATINGS SIZES 865 - 868

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	865			866			867			868		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
12	2900	242	47.4	1930	10.6	79.10	3160	12.4	136.00	5370	31.0	241.0	10200	39
	1450	121	29.60	2420	11.4	48.60	3890	13.0	80.30	6350	38.0	121.0	10200	43
	960	80	22.20	2740	13.0	36.40	4400	15.0	53.20	6350	42.0	79.8	10200	46
	725	60	17.50	2860	17.0	27.50	4410	23.0	40.10	6350	51.0	60.2	10200	60
14	2900	207	43.10	2000	10.6	72.90	3290	12.4	131.00	5880	31.0	215.0	10400	39
	1450	104	27.10	2530	11.4	44.80	4050	13.0	70.30	6290	38.0	108.0	10400	43
	960	69	20.30	2860	15.7	32.20	4410	15.9	46.50	6290	45.0	71.3	10400	52
	725	52	15.30	2860	17.0	24.30	4410	23.0	35.10	6290	51.0	53.8	10400	60
16	2900	181	32.90	1750	10.8	65.90	3460	12.5	119.00	6070	32.5	172.0	8970	40
	1450	91	20.70	2210	13.0	35.90	3770	15.0	60.80	6200	42.0	106.0	11100	46
	960	60	15.70	2530	17.0	23.70	3770	23.0	40.20	6200	51.0	70.2	11100	60
	725	45	12.40	2640	22.4	17.90	3770	28.0	30.40	6200	56.0	53.0	11100	70
18	2900	161	29.90	1760	10.8	60.40	3520	12.5	108.00	6200	32.5	161.0	9260	40
	1450	81	18.90	2230	13.0	32.30	3770	15.0	53.90	6200	42.0	96.2	11100	46
	960	53	14.30	2560	17.0	21.40	3770	23.0	35.70	6200	51.0	63.7	11100	60
	725	40	11.20	2640	22.4	16.10	3770	28.0	26.90	6200	56.0	48.1	11100	70
20	2900	145	32.90	2160	11.0	58.90	3650	12.5	94.10	5980	35.0	153.0	10600	41
	1450	73	20.70	2730	15.7	35.60	4410	15.9	49.90	6350	45.0	76.7	10600	52
	960	48	14.30	2860	22.4	23.50	4410	28.0	33.00	6350	56.0	50.7	10600	70
	725	36	10.80	2860	26.2	17.80	4410	34.0	24.90	6350	60.0	38.3	10600	79
22	2900	132	29.90	2190	11.0	54.90	3770	12.5	88.60	6350	35.0	142.0	10800	41
	1450	66	18.90	2760	15.7	32.00	4410	15.9	44.30	6350	45.0	70.7	10800	52
	960	44	12.90	2860	22.4	21.20	4410	28.0	29.30	6350	56.0	46.8	10800	70
	725	33	9.75	2860	26.2	16.00	4410	34.0	22.10	6350	60.0	35.4	10800	79
25	2900	116	22.60	1880	11.4	45.20	3760	13.0	76.70	6200	38.0	115.0	9530	43
	1450	58	14.20	2370	17.0	22.70	3770	23.0	38.30	6200	51.0	63.8	10600	60
	960	38	10.50	2640	26.2	15.00	3770	34.0	25.40	6200	60.0	42.2	10600	79
	725	29	7.93	2640	28.0	11.30	3770	40.0	19.10	6200	64.0	31.9	10600	79
28	2900	104	20.70	1900	11.4	39.50	3770	13.0	68.90	6200	38.0	109.0	9770	43
	1450	52	13.00	2400	17.0	19.70	3770	23.0	34.40	6200	51.0	55.6	9970	60
	960	34	9.51	2640	26.2	13.00	3770	34.0	22.80	6200	60.0	36.8	9980	79
	725	26	7.18	2640	28.0	9.85	3770	40.0	17.20	6200	64.0	27.8	9980	79
32	2900	91	22.60	2330	13.0	43.10	4220	15.0	62.90	6350	42.0	97.6	10700	46
	1450	45	13.80	2860	22.4	22.50	4410	28.0	31.40	6350	56.0	48.8	10700	70
	960	30	9.16	2860	28.0	14.90	4410	40.0	20.80	6350	64.0	32.3	10700	79
	725	23	6.92	2860	28.0	11.20	4410	40.0	15.70	6350	64.0	24.4	10700	79
36	2900	81	20.70	2350	13.0	39.10	4410	15.0	56.60	6350	42.0	91.3	10800	46
	1450	40	12.50	2860	22.4	19.50	4410	28.0	28.30	6350	56.0	45.6	10800	70
	960	27	8.30	2860	28.0	12.90	4410	40.0	18.70	6350	64.0	30.2	10800	79
	725	20	6.26	2860	28.0	9.76	4410	40.0	14.10	6350	64.0	22.8	10800	79
40	2900	73	19.30	2460	15.7	35.30	4160	15.9	49.40	6090	45.0	75.7	9400	52
	1450	36	9.62	2470	26.2	17.60	4160	34.0	26.20	6460	60.0	39.9	9940	79
	960	24	6.37	2470	28.0	11.70	4160	40.0	17.40	6460	64.0	26.9	10100	79
	725	18	4.81	2470	28.0	8.82	4160	40.0	13.10	6460	64.0	20.3	10100	79
45	2900	64	17.40	2470	15.7	30.70	4160	15.9	45.00	6160	45.0	70.2	9460	52
	1450	32	8.71	2470	26.2	15.30	4160	34.0	23.60	6460	60.0	37.1	10000	79
	960	21	5.77	2470	28.0	10.10	4160	40.0	15.60	6460	64.0	24.8	10100	79
	725	16	4.35	2470	28.0	7.66	4160	40.0	11.80	6460	64.0	18.7	10100	79
50	2900	58	15.60	2430	17.0	27.9	4250	23.0	36.70	5660	51.0	50.1	8130	60
	1450	29	9.14	2860	28.0	14.00	4260	40.0	18.40	5660	64.0	25.1	8140	79
	960	19	6.05	2860	28.0	9.25	4260	40.0	12.20	5660	64.0	16.6	8140	79
	725	15	4.57	2860	28.0	6.98	4260	40.0	9.19	5660	64.0	12.5	8140	79
56	2900	52	12.10	2120	17.0	23.70	3870	23.0	36.70	6020	51.0	46.5	8440	60
	1450	26	5.71	2000	28.0	11.80	3870	40.0	18.40	6030	64.0	23.2	8450	79
	960	17	3.67	1940	28.0	7.84	3870	40.0	12.20	6030	64.0	15.4	8450	79
	725	13	2.72	1910	28.0	5.92	3870	40.0	9.19	6030	64.0	11.6	8450	79
63	2900	46	12.70	2470	22.4	22.70	4160	28.0	33.80	6360	56.0	50.1	9270	70
	1450	23	6.35	2470	28.0	11.40	4160	40.0	17.20	6460	64.0	25.1	9270	79
	960	15	4.21	2470	28.0	7.52	4160	40.0	11.40	6460	64.0	16.6	9280	79
	725	12	3.18	2470	28.0	5.68	4160	40.0	8.59	6460	64.0	12.5	9280	79
71	2900	41	11.30	2470	22.4	21.20	4160	28.0	32.00	6400	56.0	46.5	9620	70
	1450	20	5.66	2470	28.0	10.60	4160	40.0	16.10	6460	64.0	23.2	9630	79
	960	14	3.67	2420	28.0	7.02	4160	40.0	10.70	6460	64.0	15.4	9630	79
	725	10	2.72	2380	28.0	5.30	4160	40.0	8.07	6460	64.0	11.6	9630	79

Fenner Series M Non Motorised Selection



TRIPLE REDUCTION RATINGS SIZES 860 - 864

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	860			801			861			802		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
56	2900	52	0.50	90	1.5	0.89	159	4	1.17	209	2.80	1.57	287	6.7
	1450	26	0.25	90	1.9	0.45	160	4	0.58	209	3.15	0.92	338	7.2
	960	17	0.16	90	1.9	0.30	160	4	0.39	209	3.15	0.61	338	7.2
	725	13	0.12	90	1.9	0.22	160	4	0.29	209	3.15	0.46	338	7.2
63	2900	46	0.45	90	1.5	0.81	160	4	1.06	209	2.90	1.46	293	7.1
	1450	23	0.22	90	1.9	0.41	160	4	0.53	209	3.15	0.84	338	7.2
	960	15	0.15	90	1.9	0.27	160	4	0.35	209	3.15	0.55	338	7.2
	725	12	0.11	90	1.9	0.20	160	4	0.26	209	3.15	0.42	338	7.2
71	2900	41	0.41	90	1.6	0.74	160	4	0.97	209	3.00	1.31	302	7.2
	1450	20	0.20	90	1.9	0.37	160	4	0.48	209	3.15	0.73	338	7.2
	960	14	0.13	90	1.9	0.24	160	4	0.32	209	3.15	0.48	338	7.2
	725	10	0.10	90	1.9	0.18	160	4	0.24	209	3.15	0.36	338	7.2
80	2900	36	0.35	90	1.7	0.63	160	4	0.82	209	3.10	1.22	307	7.2
	1450	18	0.17	90	1.9	0.31	160	4	0.41	209	3.15	0.67	338	7.2
	960	12	0.12	90	1.9	0.21	160	4	0.27	209	3.15	0.44	338	7.2
	725	9	0.09	90	1.9	0.16	160	4	0.20	209	3.15	0.33	338	7.2
100	2900	29	0.29	90	1.9	0.53	160	4	0.69	209	3.15	1.07	324	7.2
	1450	15	0.14	90	1.9	0.26	160	4	0.34	209	3.15	0.56	338	7.2
	960	10	0.10	90	1.9	0.17	160	4	0.23	209	3.15	0.37	338	7.2
	725	7	0.07	90	1.9	0.13	160	4	0.17	209	3.15	0.28	338	7.2
112	2900	26	0.25	90	1.9	0.45	160	4	0.59	209	3.15	0.93	338	7.2
	1450	13	0.12	90	1.9	0.23	160	4	0.29	209	3.15	0.47	338	7.2
	960	9	0.08	90	1.9	0.15	160	4	0.19	209	3.15	0.31	338	7.2
	725	6	0.06	90	1.9	0.11	160	4	0.15	209	3.15	0.23	338	7.2
125	2900	23	0.22	90	1.9	0.41	160	4	0.53	209	3.15	0.83	338	7.2
	1450	12	0.11	90	1.9	0.20	160	4	0.27	209	3.15	0.41	338	7.2
	960	8	0.07	90	1.9	0.14	160	4	0.18	209	3.15	0.27	338	7.2
	725	6	0.06	90	1.9	0.10	160	4	0.13	209	3.15	0.21	338	7.2
160	2900	18	0.19	90	1.9	0.34	160	4	0.44	209	3.15	0.71	338	7.2
	1450	9	0.09	90	1.9	0.17	160	4	0.22	209	3.15	0.36	338	7.2
	960	6	0.06	90	1.9	0.11	160	4	0.15	209	3.15	0.23	338	7.2
	725	5	0.05	90	1.9	0.08	160	4	0.11	209	3.15	0.18	338	7.2
180	2900	16	0.16	90	1.9	0.29	160	4	0.39	209	3.15	0.63	338	7.2
	1450	8	0.08	90	1.9	0.15	160	4	0.19	209	3.15	0.31	338	7.2
	960	5	0.05	90	1.9	0.10	160	4	0.13	209	3.15	0.21	338	7.2
	725	4	0.04	90	1.9	0.07	160	4	0.10	209	3.15	0.16	338	7.2
200	2900	15	0.14	90	1.9	0.26	160	4	0.34	209	3.15	0.55	338	7.2
	1450	7	0.07	90	1.9	0.13	160	4	0.17	209	3.15	0.28	338	7.2
	960	5	0.05	90	1.9	0.09	160	4	0.11	209	3.15	0.18	338	7.2
	725	4	0.04	90	1.9	0.06	160	4	0.09	209	3.15	0.14	338	7.2

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	862			803			863			864		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
56	2900	52	2.42	443	4.2	-	-	-	3.47	640	4.50	6.94	1300	9.25
	1450	26	1.22	450	7.2	-	-	-	2.03	754	8.10	4.23	1600	16.20
	960	17	0.81	450	7.2	-	-	-	1.54	865	9.20	2.96	1700	16.20
	725	13	0.61	450	7.2	-	-	-	1.17	868	9.20	2.23	1700	16.20
63	2900	46	2.14	431	4.5	2.42	549	7.2	3.30	649	4.65	6.50	1340	9.50
	1450	23	1.11	450	7.2	1.38	626	7.2	1.95	770	9.20	3.97	1650	16.20
	960	15	0.74	450	7.2	0.91	626	7.2	1.45	868	9.20	2.71	1700	16.20
	725	12	0.56	450	7.2	0.69	626	7.2	1.09	868	9.20	2.04	1700	16.20
71	2900	41	1.91	443	5.0	2.14	534	7.2	2.88	673	5.10	5.96	1390	10.00
	1450	20	0.97	450	7.2	1.24	623	7.2	1.74	815	9.20	3.62	1700	16.20
	960	14	0.64	450	7.2	0.82	626	7.2	1.22	868	9.20	2.39	1700	16.20
	725	10	0.48	450	7.2	0.62	626	7.2	0.92	868	9.20	1.80	1700	16.20
80	2900	36	1.78	450	5.6	1.91	549	7.2	2.74	682	6.30	5.47	1440	12.30
	1450	18	0.89	450	7.2	1.09	626	7.2	1.67	833	9.20	3.21	1700	16.20
	960	12	0.59	450	7.2	0.72	626	7.2	1.15	868	9.20	2.12	1700	16.20
	725	9	0.44	450	7.2	0.54	626	7.2	0.87	868	9.20	1.60	1700	16.20
100	2900	29	1.49	450	6.3	1.79	558	7.2	2.31	714	7.40	4.78	1520	14.00
	1450	15	0.74	450	7.2	1.00	626	7.2	1.40	868	9.20	2.65	1700	16.20
	960	10	0.49	450	7.2	0.66	626	7.2	0.93	868	9.20	1.75	1700	16.20
	725	7	0.37	450	7.2	0.50	626	7.2	0.70	868	9.20	1.32	1700	16.20
112	2900	26	1.24	450	7.2	1.56	585	7.2	2.06	751	9.20	4.29	1600	16.20
	1450	13	0.62	450	7.2	0.83	626	7.2	1.19	868	9.20	2.27	1700	16.20
	960	9	0.41	450	7.2	0.55	626	7.2	0.79	868	9.20	1.50	1700	16.20
	725	6	0.31	450	7.2	0.42	626	7.2	0.60	874	9.20	1.13	1700	16.20
125	2900	23	1.10	450	7.2	1.37	613	7.2	1.94	774	9.20	4.02	1640	16.20
	1450	12	0.55	450	7.2	0.70	626	7.2	1.09	868	9.20	2.07	1700	16.20
	960	8	0.36	450	7.2	0.46	626	7.2	0.72	868	9.20	1.37	1700	16.20
	725	6	0.28	450	7.2	0.35	626	7.2	0.55	883	9.20	1.03	1700	16.20
160	2900	18	0.95	450	7.2	1.24	626	7.2	1.70	828	9.20	3.39	1700	16.20
	1450	9	0.47	450	7.2	0.62	626	7.2	0.89	868	9.20	1.69	1700	16.20
	960	6	0.31	450	7.2	0.41	626	7.2	0.59	875	9.20	1.12	1700	16.20
	725	5	0.24	450	7.2	0.31	626	7.2	0.45	888	9.20	0.85	1720	16.20
180	2900	16	0.83	450	7.2	1.06	626	7.2	1.58	858	9.20	3.10	1700	16.20
	1450	8	0.42	450	7.2	0.53	626	7.2	0.80	868	9.20	1.55	1700	16.20
	960	5	0.28	450	7.2	0.35	626	7.2	0.54	886	9.20	1.02	1700	16.20
	725	4	0.21	450	7.2	0.26	626	7.2	0.41	888	9.20	0.79	1730	16.20
200	2900	15	0.74	450	7.2	0.94	626	7.2	1.43	868	9.20	2.70	1700	16.20
	1450	7	0.37	450	7.2	0.47	626	7.2	0.71	868	9.20	1.35	1700	16.20
	960	5	0.24	450	7.2	0.31	626	7.2	0.48	888	9.20	0.90	1710	16.20
	725	4	0.18	450	7.2	0.23	626	7.2	0.36	888	9.20	0.69	1750	16.20

Fenner Series M Non Motorised Selection

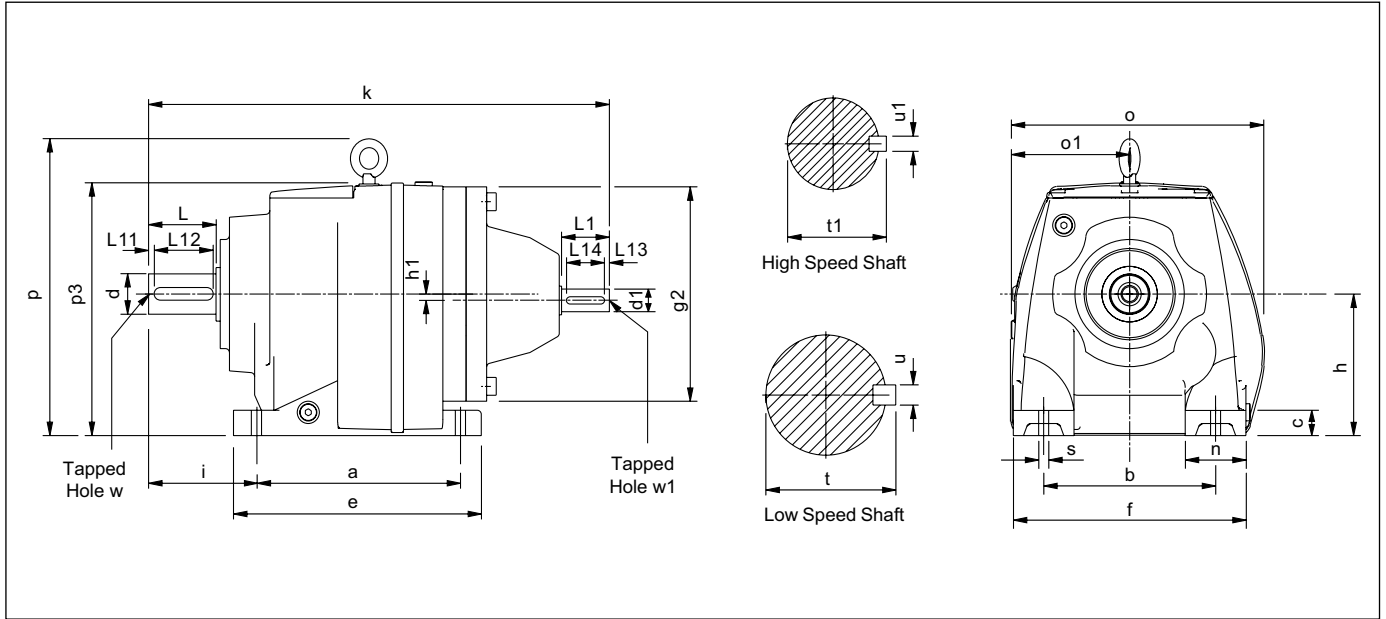
TRIPLE REDUCTION RATINGS SIZES 865 - 868

Nominal Ratio	Input Speed Rev/Min	Nominal Output speed Rev/Min	865			866			867			868		
			Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)	Input Power kW	Output Torque Nm	Overhung Load fra (kN)
40	2900	73	-	-	-	-	-	-	35.00	4380	45	58.10	7520	52
	1450	36	-	-	-	-	-	-	21.90	5530	60	37.50	9740	79
	960	24	-	-	-	-	-	-	15.60	5940	64	26.60	10500	79
	725	18	-	-	-	-	-	-	12.30	6200	64	21.30	11100	79
45	2900	64	-	-	-	-	-	-	38.90	5360	45	62.70	9430	52
	1450	32	-	-	-	-	-	-	22.20	6170	60	36.40	11000	79
	960	21	-	-	-	-	-	-	15.10	6350	64	24.10	11000	79
	725	16	-	-	-	-	-	-	11.40	6350	64	18.20	11000	79
50	2900	58	-	-	-	-	-	-	35.00	5460	51	58.10	9930	60
	1450	29	-	-	-	-	-	-	20.10	6310	64	32.10	11000	79
	960	19	-	-	-	-	-	-	13.40	6350	64	21.20	11000	79
	725	15	-	-	-	-	-	-	10.10	6350	64	16.00	11000	79
56	2900	52	11.20	2100	17.0	17.90	3380	23	29.60	5270	51	46.70	8680	60
	1450	26	6.84	2590	28.0	9.94	3770	40	17.30	6190	64	28.10	10500	79
	960	17	4.62	2640	28.0	6.57	3770	40	11.40	6200	64	19.70	11100	79
	725	13	3.49	2640	28.0	4.95	3770	40	8.63	6200	64	14.80	11100	79
63	2900	46	10.40	2170	22.4	16.60	3490	28	26.80	5380	56	44.00	9020	70
	1450	23	6.29	2640	28.0	8.95	3770	40	15.30	6200	64	26.00	10700	79
	960	15	4.16	2640	28.0	5.91	3770	40	10.10	6200	64	17.80	11100	79
	725	12	3.14	2640	28.0	4.46	3770	40	7.66	6200	64	13.50	11100	79
71	2900	41	10.10	2350	22.4	16.40	3640	28	26.60	5920	56	44.80	11000	70
	1450	20	6.10	2860	28.0	9.85	4410	40	14.20	6350	64	22.30	11000	79
	960	14	4.03	2860	28.0	6.51	4410	40	9.39	6350	64	14.80	11000	79
	725	10	3.04	2860	28.0	4.91	4410	40	7.09	6350	64	11.10	11000	79
80	2900	36	9.38	2420	26.2	15.20	3760	34	24.10	6060	60	40.70	11000	79
	1450	18	5.49	2860	28.0	8.87	4410	40	12.60	6350	64	20.30	11000	79
	960	12	3.63	2860	28.0	5.86	4410	40	8.33	6350	64	13.40	11000	79
	725	9	2.74	2860	28.0	4.42	4410	40	6.29	6350	64	10.10	11000	79
90	2900	32	8.15	2400	26.2	12.60	3770	34	20.90	5930	60	34.40	10100	79
	1450	16	4.46	2640	28.0	6.27	3770	40	10.90	6200	64	18.80	11100	79
	960	11	2.95	2640	28.0	4.15	3770	40	7.21	6200	64	12.40	11100	79
	725	8	2.23	2640	28.0	3.13	3770	40	5.44	6200	64	9.39	11100	79
100	2900	29	7.60	2480	28.0	10.90	3770	40	19.20	6050	64	32.20	10300	79
	1450	15	4.04	2640	28.0	5.45	3770	40	9.79	6200	64	17.30	11100	79
	960	10	2.67	2640	28.0	3.60	3770	40	6.48	6200	64	11.50	11100	79
	725	7	2.02	2640	28.0	2.72	3770	40	4.89	6200	64	8.66	11100	79
112	2900	26	7.36	2690	28.0	11.80	4180	40	18.00	6350	64	28.30	11000	79
	1450	13	3.89	2860	28.0	6.22	4410	40	8.95	6350	64	14.10	11000	79
	960	9	2.57	2860	28.0	4.11	4410	40	5.92	6350	64	9.34	11000	79
	725	6	1.94	2860	28.0	3.10	4410	40	4.47	6350	64	7.05	11000	79
125	2900	23	6.86	2770	28.0	10.70	4360	40	16.10	6350	64	26.10	11000	79
	1450	12	3.52	2860	28.0	5.40	4410	40	8.04	6350	64	13.00	11000	79
	960	8	2.33	2860	28.0	3.57	4410	40	5.32	6350	64	8.61	11000	79
	725	6	1.76	2860	28.0	2.70	4410	40	4.02	6350	64	6.50	11000	79
140	2900	21	5.46	2470	28.0	9.82	4160	40	15.00	6460	64	22.90	10100	79
	1450	10	2.71	2470	28.0	4.89	4160	40	7.47	6460	64	11.40	10100	79
	960	7	1.79	2470	28.0	3.23	4170	40	4.94	6460	64	7.54	10100	79
	725	5	1.35	2470	28.0	2.44	4170	40	3.73	6460	64	5.69	10100	79
160	2900	18	4.94	2470	28.0	8.53	4160	40	13.50	6460	64	21.10	10100	79
	1450	9	2.46	2470	28.0	4.25	4170	40	6.71	6460	64	10.50	10100	79
	960	6	1.62	2470	28.0	2.81	4170	40	4.44	6460	64	6.95	10100	79
	725	5	1.23	2480	28.0	2.13	4200	40	3.35	6460	64	5.25	10100	79
180	2900	16	5.15	2860	28.0	8.03	4410	40	11.70	6350	64	19.00	11000	79
	1450	8	2.57	2860	28.0	4.00	4410	40	5.86	6350	64	9.49	11000	79
	960	5	1.70	2860	28.0	2.65	4410	40	3.88	6350	64	6.28	11000	79
	725	4	1.28	2860	28.0	2.00	4410	40	2.93	6350	64	4.74	11000	79
200	2900	15	4.59	2860	28.0	7.48	4410	40	11.00	6350	64	17.00	11000	79
	1450	7	2.29	2860	28.0	3.73	4410	40	5.50	6350	64	8.48	11000	79
	960	5	1.51	2860	28.0	2.47	4410	40	3.64	6350	64	5.61	11000	79
	725	4	1.14	2860	28.0	1.86	4410	40	2.75	6350	64	4.23	11000	79
225	2900	13	3.59	2470	28.0	6.31	4160	40	9.80	6460	64	15.40	10100	79
	1450	6	1.79	2470	28.0	3.15	4170	40	4.89	6460	64	7.66	10100	79
	960	4	1.19	2480	28.0	2.10	4210	40	3.23	6460	64	5.07	10100	79
	725	3	0.89	2480	28.0	1.61	4270	40	2.44	6460	64	3.83	10100	79
250	2900	12	3.20	2470	28.0	5.88	4160	40	9.21	6460	64	13.70	10100	79
	1450	6	1.59	2470	28.0	2.93	4170	40	4.59	6460	64	6.84	10100	79
	960	4	1.06	2480	28.0	1.97	4240	40	3.04	6460	64	4.53	10100	79
	725	3	0.80	2480	28.0	1.50	4270	40	2.29	6460	64	3.42	10100	79

Fenner Series M Dimensions Non Motorised



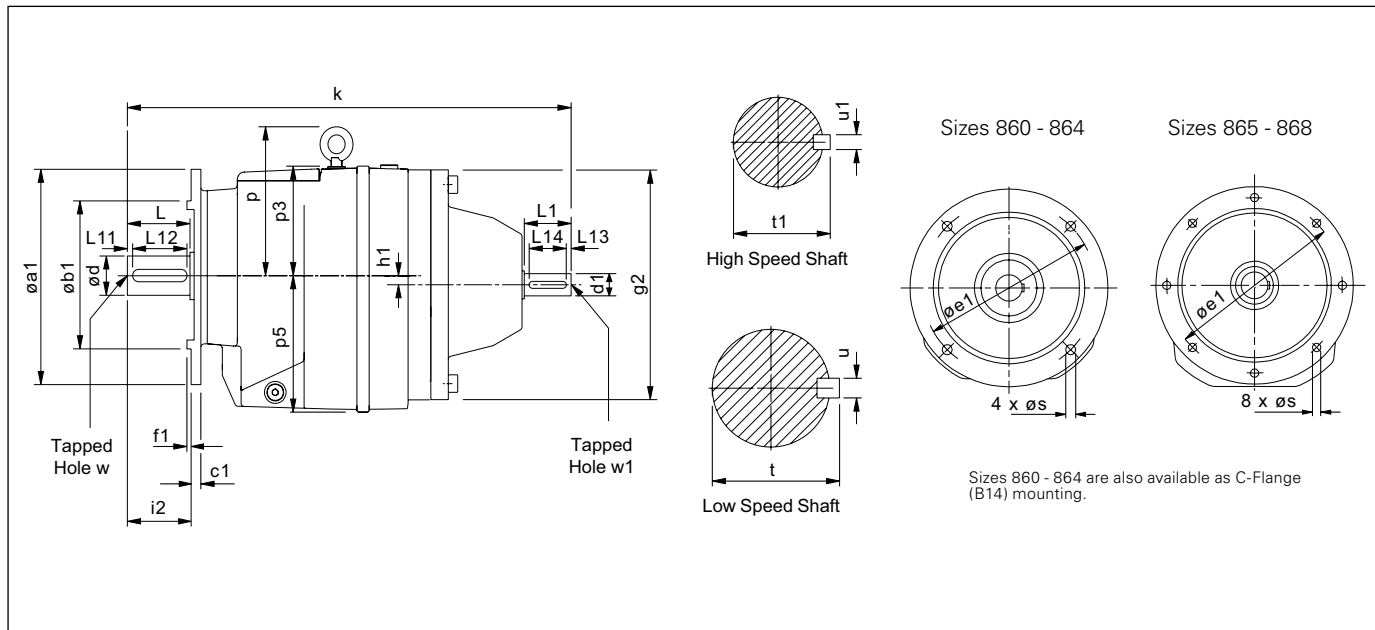
FOOT MOUNTED - DOUBLE AND TRIPLE REDUCTIONS



SIZE	a	b	c	e	f	g2	h	h1	i	Double	Triple	n	o	o1	p	p3	s
										k							
860	110	110	12	131	135	140	75	-	58	286	301	25	152	76	-	149	10
801	130	110	16	152	145	140	90	-	75	317	330	35	170	84	-	180	10
861	130	110	16	152	145	140	90	-	75	317	330	35	170	84	-	180	10
802	165	135	20	200	190	180	115	-	90	369	377	55	204	97	-	208	15
862	165	135	20	200	190	180	115	-	100	379	387	55	204	97	-	208	15
803	195	150	24	235	210	180	130	14.5	100	400	408	60	220	110	246	214	15
863	205	170	25	245	230	212	140	-	115	440	452	60	252	119	295	250	19
864	260	215	35	310	290	250	180	-	140	555	540	75	320	167	360	310	19
865	310	250	40	365	340	300	225	-	160	660	662	90	372	200	433	394	23
866	370	290	45	440	400	360	250	-	185	782	784	110	428	225	505	446	27
867	410	340	50	490	450	400	265	-	220	907	969	110	470	242	563	483	34
868	500	380	50	590	530	460	300	-	260	1022	1094	150	546	278	630	551	41

SIZE	High Speed Shaft							Low Speed Shaft						
	d1	L1	L13	L14	t1	u1	w1	d	L	L11	L12	t	u	w
860	16 k6	40	4	32	18.0	5	M5 x 0.8 12 deep	20 k6	40	4	32	22.5	6	M6 x 1 16 deep
801	16 k6	40	4	32	18.0	5	M5 x 0.8 12 deep	25 k6	50	4	40	28.0	8	M10 x 1.5 22 deep
861	16 k6	40	4	32	18.0	5	M5 x 0.8 deep	25 k6	50	4	40	28.0	8	M10 x 1.5 22 deep
802	19 k6	40	4	32	21.5	6	M6 x 1.0 16 deep	30 k6	60	4	50	33.0	8	M10 x 1.5 22 deep
862	19 k6	40	4	32	21.5	6	M6 x 1.0 16 deep	35 k6	70	7	60	38.0	10	M12 x 1.75 28 deep
803	19 k6	40	4	32	21.5	6	M6 x 1.0 16 deep	35 k6	70	7	60	38.0	10	M12 x 1.75 28 deep
863	24 k6	50	5	40	27.0	8	M8 x 1.25 19 deep	40 k6	80	5	70	43.0	12	M16 x 2.0 36 deep
864	28 k6	60	5	50	31.0	8	M10 x 1.5 22 deep	50 k6	100	10	80	53.5	14	M16 x 2.0 36 deep
865	38 k6	80	5	70	41.0	10	M12 x 1.75 28 deep	60 m6	120	10	100	64.0	18	M20 x 2.5 42 deep
866	42 k6	110	10	70	45.0	12	M16 x 2.0 36 deep	70 m6	140	15	110	74.5	20	M20 x 2.5 42 deep
867	55 m6	110	10	90	59.0	16	M20 x 2.5 42 deep	90 m6	170	15	140	95.0	25	M24 x 3.0 50 deep
868	55 m6	110	10	90	59.0	16	M20 x 2.5 42 deep	100 m6	210	15	180	106.0	28	M24 x 3.0 50 deep

FLANGE MOUNTED - DOUBLE AND TRIPLE REDUCTIONS



SIZE	$\phi a1$	$\phi b1$	c1	$\phi e1$	f1	$\phi g2$	h1	i2	Double	Triple	p	p3	p5	s
									k					
860	120	80	9	100	3.0	40	9.0							
	140	95	9	115	3.0	140	-	40	286	301	-	74	76	9
	160	110	10	130	3.5	40	9.0							
	200	130	10	165	3.5	40	11.0							
801	120	80	10	100	3.0	140	-							
	140	95	10	115	3.0	50	9.0	50	317	330	-	90	91	6.6
	160	110	10	130	3.5	50	9.0							
	200	130	10	165	3.5	50	11.0							
861	120	80	10	100	3.0	140	-							
	140	95	10	115	3.0	50	9.0	50	317	330	-	90	91	6.6
	160	110	10	130	3.5	50	9.0							
	200	130	10	165	3.5	50	11.0							
802	140	95	11	115	3.0	180	-							
	160	110	11	130	3.5	60	9.0	60	369	377	-	93	115	9
	200	130	11	165	3.5	60	11.0							
	250	180	11	215	4.0	60	13.5							
862	140	95	11	115	3.0	180	-							
	160	110	11	130	3.5	70	9.0	70	379	387	-	93	115	9
	200	130	11	165	3.5	70	11.0							
	250	180	11	215	4.0	70	13.5							
803	200	130	11	165	4.0	180	14.5							
	250	180	11	215	4.0	70	13.5	70	400	408	116	84	130	11
	300	230	11	265	4.0	70	13.5							
	200	130	11	165	3.5	80	11.0							
863	250	180	11	215	4.0	212	-	80	440	452	155	110	140	13.5
	300	230	11	265	4.0	80	13.5							
864	300	230	17	265	4.0	250	-	100	555	540	180	130	182	13.5
	350	250	17	300	5.0	100	17.5							
865	450	350	18	400	5.0	300	-	140	660	662	198	-	230	18
866	450	350	22	400	5.0	360	-	140	782	784	245	-	260	18
867	550	450	25	500	5.0	400	-	170	907	969	288	-	278	18
868	550	450	25	500	5.0	460	-	210	1022	1094	320	-	318	18



SIZE	High Speed Shaft							Low Speed Shaft						
	d1	L1	L13	L14	t1	u1	w1	d	L	L11	L12	t	u	w
860	16 k6	40	4	32	18.0	5	M5 x 0.8 12 deep	20 k6	40	4	32	22.5	6	M6 x 1 16 deep
801	16 k6	40	4	32	18.0	5	M5 x 0.8 12 deep	25 k6	50	4	40	28.0	8	M10 x 1.5 22 deep
861	16 k6	40	4	32	18.0	5	M5 x 0.8 12 deep	25 k6	50	4	40	28.0	8	M10 x 1.5 22 deep
802	19 k6	40	4	32	21.5	6	M6 x 1.0 16 deep	30 k6	60	4	50	33.0	8	M10 x 1.5 22 deep
862	19 k6	40	4	32	21.5	6	M6 x 1.0 16 deep	35 k6	70	7	60	38.0	10	M12 x 1.75 28 deep
803	19 k6	40	4	32	21.5	6	M6 x 1.0 16 deep	35 k6	70	7	60	38.0	10	M12 x 1.75 28 deep
863	24 k6	50	5	40	27.0	8	M8 x 1.25 19 deep	40 k6	80	5	70	43.0	12	M16 x 2.0 36 deep
864	28 k6	60	5	50	31.0	8	M10 x 1.5 22 deep	50 k6	100	10	80	53.5	14	M16 x 2.0 36 deep
865	38 k6	80	5	70	41.0	10	M12 x 1.75 28 deep	60 m6	120	10	100	64.0	18	M20 x 2.5 42 deep
866	42 k6	110	10	70	45.0	12	M16 x 2.0 36 deep	70 m6	140	15	110	74.5	20	M20 x 2.5 42 deep
867	55 m6	110	10	90	59.0	16	M20 x 2.5 42 deep	90 m6	170	15	140	95.0	25	M24 x 3.0 50 deep
868	55 m6	110	10	90	59.0	16	M20 x 2.5 42 deep	100 m6	210	15	180	106.0	28	M24 x 3.0 50 deep

Fenner Series M Exact Gear Ratios

DOUBLE AND TRIPLE REDUCTION RATIOS – NOMINAL OUTPUT SPEEDS BASED ON AN INPUT SPEED OF 1440 REV/MIN

Code	Nominal Output Speed rev/min	860	801	861	802	862	803	863	864	865	866	867	868
01	1029	-	-	-	-	-	-	-	-	1.48	1.44	-	-
02	800	-	-	-	-	-	-	-	-	2.04	2.02	-	-
03	655	-	-	-	-	-	-	-	-	2.28	2.19	-	-
04	576	-	-	-	-	-	-	-	-	2.56	2.49	-	-
05	514	-	-	-	-	-	-	-	-	2.97	2.99	2.90	2.89
06	450	-	-	-	-	-	-	-	-	3.30	3.24	3.19	3.25
07	400	-	-	-	-	-	-	-	-	3.69	3.50	3.64	3.82
08	360	-	-	-	-	-	-	-	-	4.09	4.18	4.03	4.03
09	320	3.75	3.59	3.59	3.59	3.59	-	3.68	3.68	4.58	4.55	4.42	4.54
10	288	5.07	5.03	5.03	5.04	5.04	4.44	5.09	5.21	5.07	4.94	5.04	5.33
11	257	5.76	5.55	5.55	5.65	5.65	6.24	5.72	5.79	5.69	5.37	5.54	6.01
12	229	6.53	6.30	6.30	6.34	6.34	6.99	6.29	6.44	6.63	6.72	6.21	6.55
13	203	-	-	-	-	-	-	-	-	7.40	7.26	6.88	7.27
14	180	8.35	8.00	8.00	8.05	8.05	7.85	8.22	8.33	8.22	7.95	7.78	8.67
15	160	9.00	9.09	9.09	9.13	9.13	9.97	9.34	9.35	9.19	8.58	8.62	9.62
16	144	-	-	-	-	-	-	-	-	10.27	10.59	9.89	10.07
17	131	11.36	11.15	11.15	10.89	10.89	11.30	11.35	11.47	11.71	11.98	11.20	11.43
18	120	12.88	12.37	12.37	12.54	12.54	13.48	12.48	12.92	12.74	12.51	12.39	13.32
19	103	14.72	14.05	14.05	14.58	14.58	15.52	14.34	15.04	14.53	14.16	14.03	15.13
20	90	16.37	15.97	15.97	16.31	16.31	18.05	16.26	16.69	16.59	16.43	15.97	16.43
21	80	18.05	17.58	17.58	17.39	17.39	20.20	17.94	18.26	18.43	18.25	18.00	18.11
22	72	19.86	20.23	20.23	20.61	20.61	21.53	20.54	20.66	20.59	19.41	20.01	21.75
23	65	23.27	21.99	21.99	22.00	22.00	25.51	23.23	23.32	22.87	21.57	22.55	23.97
24	58	-	-	-	-	-	-	-	-	26.04	26.03	25.46	26.07
25	51	27.92	26.40	26.40	27.30	27.30	27.24	26.93	28.27	28.74	29.99	28.35	28.25
26	45	32.54	31.68	31.68	32.19	32.19	33.80	32.12	32.97	32.31	30.76	31.89	34.51
27	40	36.16	35.69	35.69	35.25	35.25	39.86	35.17	36.21	35.67	35.44	35.52	37.39
28	36	-	-	-	-	-	-	-	-	40.25	37.06	39.01	39.42
29	32	43.54	41.49	41.49	43.20	43.20	43.64	42.21	44.38	44.44	42.70	43.45	42.71
30	29	49.91	47.09	47.09	48.15	48.15	53.49	48.56	48.46	49.07	47.93	48.63	51.27
31	26	56.72	53.54	53.54	54.00	54.00	59.61	53.96	55.80	55.18	51.49	51.74	57.52
32	23	-	-	-	-	-	-	-	-	61.13	57.75	59.49	58.57
33	20	-	-	-	-	-	-	-	-	68.74	62.05	63.29	65.70
41	36	-	-	-	-	-	-	-	-	-	-	39.93	41.36
42	32	-	-	-	-	-	-	-	-	-	-	44.18	48.21
43	29	-	-	-	-	-	-	-	-	-	-	50.02	54.75
44	26	58.46	57.03	57.03	58.38	58.38	-	58.95	60.33	59.85	60.23	56.93	59.46
45	23	64.45	62.87	62.87	64.29	64.29	72.28	62.83	66.02	66.49	66.93	64.17	65.55
46	20	70.93	69.19	69.19	73.95	73.95	79.60	74.47	74.69	74.27	71.17	71.32	78.70
47	18	83.10	81.07	81.07	80.40	80.40	91.56	79.51	84.31	82.51	79.08	80.39	86.76
48	16	-	-	-	-	-	-	-	-	93.92	95.44	90.75	94.35
49	14	99.70	97.26	97.26	96.52	96.52	99.54	98.66	102.20	103.68	109.97	101.07	102.23
50	13	116.22	113.37	113.37	115.82	115.82	119.50	116.34	119.19	116.55	112.77	113.69	124.89
51	12	129.13	125.97	125.97	130.50	130.50	143.40	127.39	130.92	128.66	129.94	126.62	135.31
52	10	-	-	-	-	-	-	-	-	145.20	135.88	139.07	142.66
53	9	155.51	151.69	151.69	151.71	151.71	161.57	156.12	160.45	160.29	156.57	154.89	154.57
54	8	178.24	173.87	173.87	172.19	172.19	187.83	174.01	175.21	177.00	175.74	173.37	185.56
55	7	202.57	197.60	197.60	195.75	195.75	213.19	195.15	201.75	199.03	188.81	184.46	208.15
56	6.5	-	-	-	-	-	242.36	-	-	220.51	211.75	212.09	211.97
57	6	-	-	-	-	-	-	-	-	247.96	227.50	225.65	237.77

Double reduction units are shown in normal typeface

Bold typeface indicates triple reduction units

Fenner Series M Overhung Load Capacities

**ALLOWABLE OVERHUNG LOADS**

Units are fitted with input and output bearings of ample proportions to cater for the radial and thrust loads imposed by the gear loads, leaving sufficient capacity for taking overhung loads.

The calculated overhung load should be compared with the value in the selection tables.

These values may be exceeded at lower input speeds or if limited bearing lives are acceptable. In cases where higher overhang load capacities are necessary consult your distributor, quoting details of power, speed, direction of gearbox rotation, angle of application of load, distance of load application from gearbox and acceptable bearing life.

Permissible overhung loads vary according to the direction of rotation. The values tabulated are for the most unfavourable direction with the unit transmitting full rated power and the load applied midway along the shaft extension. Hence they can sometimes be increased for a more favourable direction of rotation, or if the power transmitted is less than the rated capacity of the gear unit, or if the load is applied nearer to the gear unit case. Refer to your Distributor for further details. In any event, the sprocket, gear etc. should be positioned as close as possible to the gear unit case in order to reduce bearing loads and shaft stresses, and to prolong life.

All units will accept 100% momentary overload on stated capacities.

To determine the overhung load when a sprocket, gear or 'V' pulley is fitted to the output shaft, one or the following formulae may be used in the absence of accurate information.

(1) Calculation on a basis of Torque

$$\text{Overhung load (N)} = \frac{T \times 1000 \times K}{r}$$

(2) Calculation on a basis of Power

$$\text{Overhung load (N)} = \frac{kW \times 9550 \times 1000 \times K}{n \times r}$$

Where:

T = Absorbed torque at worm gear output shaft in Nm.

kW = Absorbed torque at worm gear output shaft in (kW).

r = Pitch radius of sprocket, gear or 'V' pulley in mm.

n = Rev/min of worm gear output shaft.

K = Application factor -

1.00 for a sprocket

1.25 for a gear or timing pulley

1.50 for a 'V' pulley

Overhung loads may be reduced by one of the following methods:

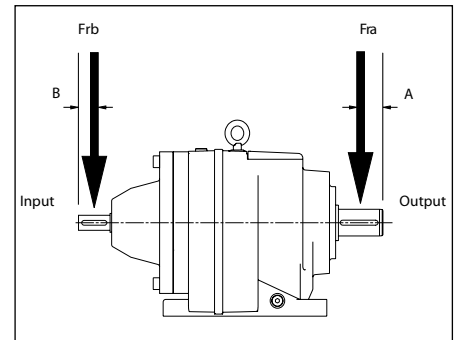
(1) Increase the diameter of the sprocket, gear or pulley within reasonable limits.

(2) Mount the sprocket, gear or pulley on a separate shaft, supported on its own bearings and couple to the worm gear output shaft by means of a Fenner shaft coupling.

(3) Use a special extended output shaft and support the free end with an outrigger bearing.

Axial Thrust Capacities (N)

No check or calculation is required for axial loads towards or away from the unit up to 50% of the permissible overhung load. If the axial thrust exceeds these values or if there is a combination of axial thrust loads and overhung loads please refer to your local Authorised Distributor.



Output shaft dimensions refer to both motorised and non motorised units.

DISTANCE MIDWAY ALONG SHAFT EXTENSION

Size of unit	No. of Reductions	Dimension A (mm)	Dimension B (mm)
860	2 - 3	20	20
801	2 - 3	25	20
861	2 - 5	25	20
802	2 - 5	30	20
862	2 - 5	35	20
803	2 - 5	35	20
	2	40	25
863	3	40	20
	4 - 5	40	20
	2	50	30
864	3	50	25
	4 - 5	50	20
	2	60	40
865	3	60	30
	4 - 5	60	20
	2	70	55
866	3	70	40
	4 - 5	70	25
	2 - 3	85	55
867	4	85	25
	5	85	20
	2 - 3	105	55
868	4	105	25
	5	105	20

ALLOWABLE INPUT SHAFT OVERHUNG LOADS FRB (KN) @1450 REV/MIN

Unit Size	2 Stage	3 Stage	4 Stage	5 Stage
860	1.50	1.65	-	-
801	1.65	1.75	-	-
861	1.56	1.75	1.50	1.50
802	1.20	1.50	1.50	1.50
862	1.10	1.50	1.50	1.50
803	0.90	1.50	1.50	1.50
863	1.65	1.80	1.50	1.50
864	1.50	2.25	1.75	1.75
865	1.50	3.50	1.75	1.75
866	2.55	4.20	2.25	2.25
867	6.90	12.00	2.25	2.25
868	7.10	12.00	2.25	2.25

* For Output Shaft Overhung Load Capacities see the relevant selection tables