



TRC Series Helical Gear Units

The TRC Series helical gear units are a new generation mechanical geared unit, whose design is based on a modular system.

The product is widely used in fields such as textile, food, beverage, chemical and packaging industries.

Product Characteristics

TRC series helical gear units has 4 types

Modularity

High efficiency

Low noise

Compact

Aluminium housing

Light weight

Power 0,12kW - 4 kW

Ratio 3.66 - 58.78

Torque 120 - 500 Nm



ELECTRICAL MACHINES

A division of ACTOM (Pty) Ltd

ACTOM

TRC 01...				n ₁ =1400 r/min				120 Nm			
n ₂ [r/min]	M ₂ max [Nm]	Fr ₂ [N]	i	63B5	71B5/B14	80B5/B14	90B5/B14				
26	120	2600	53.33								
31	120	2600	45.89								
35	120	2600	40.10								
39	120	2560	35.47								
49	120	2380	28.50								
59	120	2230	23.56								
71	120	2100	19.83								
78	90	2030	17.86								
96	120	1900	14.62								
101	90	1860	13.80								
118	120	1770	11.90								
143	120	1660	9.81								
153	80	1630	9.17								
181	80	1540	7.72								
246	70	1390	5.69								
302	70	1290	4.63								
366	70	1210	3.82								

TRC 02...				n ₁ =1400 r/min				200 Nm			
n ₂ [r/min]	M ₂ max [Nm]	Fr ₂ [N]	i	63B5	71B5/B14	80B5/B14	90B5/B14				
26	200	4500	54.00								
30	200	4500	46.46								
34	200	4500	40.60								
39	200	4270	35.91								
48	200	3970	28.88								
59	200	3730	23.85								
70	200	3520	20.08								
82	140	3330	17.10								
95	200	3180	14.81								
106	140	3060	13.21								
116	200	2970	12.05								
141	200	2780	9.93								
159	120	2670	8.78								
189	120	2520	7.39								
257	100	2280	5.45								
316	100	2120	4.43								
383	80	1990	3.66								

TRC 03...				n ₁ =1400 r/min				300 Nm			
n ₂ [r/min]	M ₂ max [Nm]	Fr ₂ [N]	i	71B5/B14	80B5/B14	90B5/B14	100B5/B14	112B5/B14			
24	300	6000	58.09								
28	300	6000	50.02								
32	300	6000	43.75								
36	300	6000	38.73								
40	300	5860	34.62								
49	300	5480	28.30								
64	280	5020	21.78								
81	280	4660	17.33								
93	260	4440	15.06								
113	260	4160	12.37								
136	240	3910	10.28								
177	180	3590	7.93								
222	180	3320	6.31								
255	150	3170	5.48								
311	150	2970	4.50								
374	150	2790	3.74								

TRC 04...				n ₁ =1400 r/min				500 Nm			
n ₂ [r/min]	M ₂ max [Nm]	Fr ₂ [N]	i	80B5/B14	90B5/B14	100B5/B14	112B5/B14				
24	500	8000	58.09								
28	500	8000	50.02								
32	500	8000	43.75								
36	500	8000	38.73								
40	500	7950	34.62								
49	500	7430	28.30								
64	480	6810	21.78								
81	480	6310	17.33								
93	460	6020	15.06								
113	460	5640	12.37								
136	440	5300	10.28								
177	260	4860	7.93								
222	260	4510	6.31								
255	230	4300	5.48								
311	230	4030	4.50								
374	200	3780	3.74								

POSSIBLE COMBINATIONS

 NOT POSSIBLE