

CHM and CHMR gearboxes

CHM CHMR

Technical information

Maximum output load

When used with a double output shaft, the total of the combined loads should not exceed the values given in the table below

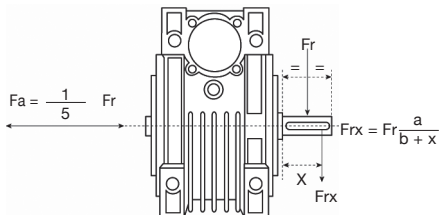
Loads are given for a speed of 10 rpm are the maximum loads that the gear reducers can accept.

- a : Gear constant
 b : Gear constant
 x : Load distance
 from shaft shoulder (mm)

Fr_x : Radial load
 in position X (N)

Fr : Radial load (N)

Fa : Axial load (N)



Maximum output load (NB Speeds given are a guide only)

Sizes	CHM30	CHM40	CHM50	CHM63	CHM75	CHM90	CHM110
400	530	1020	1400	1830	2160	2390	3530
250	620	1200	1650	2150	2520	2800	4130
150	740	1420	1960	2540	2990	3310	4890
OUTPUT SPEED (rpm)	100	850	1620	2250	2910	3430	5600
60	1000	1920	2660	3450	4060	4500	6640
40	1150	2200	3050	3950	4650	5150	7600
25	1350	2570	3570	4620	5440	6020	8890
10	1830	3490	4840	6270	7380	8180	12000

Values of gear constants

Sizes	CHM30	CHM40	CHM50	CHM63	CHM75	CHM90	CHM110
a	65	84	101	120	131	162	176
b	50	64	76	95	101	122	136

Maximum radial input loads

Values of gear constants

Sizes	CHM30	CHM40	CHM50	CHM63	CHM75	CHM90	CHM110
a	86	106	129	159	192	227	266
b	76	94	114	139	167	202	236
Fr maxi.	210	350	490	700	980	1270	1700

For the CHM110 and CHMR110

- It is the user's responsibility to fill the housing with oil before use (approx 3l).
- The oil should be changed after 300 hours of use.

