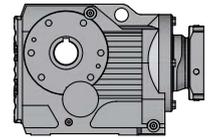


# K-185

## Technical Data



Ratio	$n_{1N}$	$n_{1Max}$	$T_{2N}$	$T_{2Max}$	$T_{2E}$	$F_{2RMaxP}$	$J$	$C$	$C$	$\Delta\phi$	$\eta$	$M$
	(1) [rpm]	(2) [rpm]	(3) [N·m]	(4) [N·m]	(5) [N·m]	(7) [N]	(8) [Kg·cm <sup>2</sup> ]	(6) [Nm/arcmin]	(7) [Nm/arcmin]	[arcmin]	[%]	[Kg]
17.18	1400	2000	41400	47610	70380	80800	*	*	*	4	96	1603 - 1720
20.15	1400	2500	43900	50485	74630	84000	*	*	*	4	96	1603 - 1720
24.18	1400	3000	47600	54740	80920	86800	*	*	*	4	96	1603 - 1720
27.92	1400	3600	50000	57500	85000	90200	*	*	*	4	96	1603 - 1720
33.23	1400	4000	50000	57500	85000	99100	*	*	*	4	96	1603 - 1720
38.57	1400	4000	50000	57500	85000	107200	*	*	*	4	96	1603 - 1720
42.51	1400	3000	50000	57500	85000	112700	*	*	*	4	96	1603 - 1720
45.50	1400	3000	50000	57500	85000	116600	*	*	*	4	96	1603 - 1720
53.36	1400	3000	50000	57500	85000	126100	*	*	*	4	96	1603 - 1720
64.04	1400	4200	50000	57500	85000	137500	*	*	*	4	96	1603 - 1720
73.96	1400	4200	50000	57500	85000	147000	*	*	*	4	96	1603 - 1720
88.00	1400	4200	50000	57500	85000	159000	*	*	*	4	96	1603 - 1720
102.16	1400	4200	50000	57500	85000	169900	*	*	*	4	96	1603 - 1720
112.60	1400	4200	50000	57500	85000	177200	*	*	*	4	96	1603 - 1720
129.69	1400	4200	50000	57500	85000	188200	*	*	*	4	96	1603 - 1720
144.59	1400	4200	50000	57500	85000	190000	*	*	*	4	96	1603 - 1720
165.21	1400	4200	50000	57500	85000	190000	*	*	*	4	96	1603 - 1720
179.86	1400	4200	50000	57500	85000	190000	*	*	*	4	96	1603 - 1720

- (1) Rated input speed.  
(2) Maximum Input Speed.  
(3)  $T_{2N}$  value is calculated at  $n_{1N}$ , continuous duty cycle, uniform operation,  $KA=1$  and unlimited theoretical life time as per ISO-6336 (NL>N001 in the Woehler line). The application factor  $KA$  according to DIN-3990-1 must be considered for each duty cycle and machine type.  
(4)  $T_{2Max}$  only for very short time intervals.  
(5) Up to 1000 times during the gearbox's lifetime.  
(6) For gearboxes with flange and hollow output shaft.  
(7) For gearboxes without flanges and with solid output shaft.  
(8) Varies depending on input.