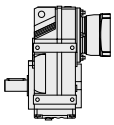
F-045



Technical Data

Ratio	n_{1N} (1)	n_{1Max} (2)	T_{2N} (3)	T_{2Max} (4)	T_{2E} (5)	F_{2RMaxH} (6)	F_{2RMaxP} (7)	J (8)	C_H (6)	C_P (7)	Δφ	η	M
	rpm	rpm	N·m	N·m	N·m	N	N	kg·cm²	N·m/'	N·m/'	'	%	kg
4.99	1400	4500	320	450	540	1160	2230	4.4	99	34	9	97	17 - 27.9
5.76	1400	4500	340	450	575	1180	2310	3.4	99	34	9	97	17 - 27.9
6.34	1400	4500	350	455	595	1230	2390	2.9	99	34	8	97	17 - 27.9
7.44	1400	4500	380	455	645	1190	2450	2.3	99	34	8	97	17 - 27.9
7.88	1400	4500	380	455	645	1280	2550	2.1	99	34	8	97	17 - 27.9
8.96	1400	4500	330	435	560	1970	3150	1.6	99	34	8	97	17 - 27.9
10.97	1400	4500	450	555	765	1630	3000	2.6	125	37	6	97	17 - 27.9
12.66	1400	4500	450	555	765	1900	3290	2.1	125	37	6	97	17 - 27.9
13.93	1400	4500	450	555	765	2090	3500	1.8	125	37	6	97	17 - 27.9
16.36	1400	4500	450	555	765	2410	3850	1.5	125	37	6	97	17 - 27.9
17.33	1400	4500	450	555	765	2530	3980	1.4	125	37	6	97	17 - 27.9
19.70	1400	4500	450	555	765	2810	4290	1.1	125	37	6	97	17 - 27.9
21.82	1400	4500	450	555	765	3040	4540	0.96	125	37	6	97	17 - 27.9
25.72	1400	4500	450	555	765	3420	4960	0.75	125	37	6	97	17 - 27.9
29.32	1400	4500	450	555	765	3750	5320	0.52	125	37	6	97	17 - 27.9
30.86	1400	4500	450	555	765	3880	5460	0.46	125	37	6	97	17 - 27.9
28.88	1400	4500	450	555	765	3710	5280	1.1	136	38	7	96	18 - 28.9
34.29	1400	4500	450	555	765	4150	5760	0.85	136	38	7	96	18 - 28.9
36.61	1400	4500	450	555	765	4330	5950	0.76	136	38	7	96	18 - 28.9
42.86	1400	4500	450	555	765	4770	6440	0.58	136	38	7	96	18 - 28.9
48.00	1400	4500	450	555	765	5100	6800	0.48	136	38	7	95	18 - 28.9
56.49	1400	4500	450	555	765	5600	7340	0.36	136	38	7	95	18 - 28.9
65.36	1400	4500	450	555	765	6060	7860	0.29	136	38	7	95	18 - 28.9
68.09	1400	4500	450	555	765	6200	8000	0.61	138	38	6	95	18 - 28.9
79.72	1400	4500	450	555	765	6740	8590	0.48	138	38	6	95	18 - 28.9
89.29	1400	4500	450	555	765	7150	8590	0.40	138	38	6	95	18 - 28.9
105.09	1400	4500	450	555	765	7760	8590	0.30	138	38	6	94	18 - 28.9
121.57	1400	4500	450	555	765	8340	8590	0.25	138	38	6	94	18 - 28.9
130.07	1400	4500	450	555	765	8610	8590	0.23	138	38	6	94	18 - 28.9
150.06	1400	4500	450	555	765	8820	8590	0.18	138	38	6	93	18 - 28.9
175.38	1400	4500	450	555	765	8820	8590	0.14	138	38	6	93	18 - 28.9
190.76	1400	4500	450	555	765	8820	8590	0.13	138	38	6	92	18 - 28.9

(1) Rated input speed.

(2) Maximum Input Speed.

(3) T2N value is calculated at n1n, continuous duty cycle, uniform operation, KA=1 and unlimited theoretical life time as per ISO-6336 (NL>N00 in the Woehler line). The application factor KA according to DIN-3990-1 must be considered for each duty cycle and machine type.

(4) T2Max 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.