

VINKELVÄXLAR TYP RM

ANGULAR GEARBOXES TYPE RM

Beräkningsunderlag / Calculation

Basvärde för tabell

Basic data for the diagram

Livslängd/Lifetime:	20'000 tim/h
Likformig belastning/ Uniform load:	(F = 1)
Driftstid/Operating time:	8 tim/dag, 8 hour/day
Drivriktning/Rotation:	växlande/variable
Omgivande temperatur/ Ambient temp:	20°C

Förkortningar

Abbreviations

n1 = Ing. varvtal rpm / Input speed rpm
n2 = Utg. varvtal rpm / Output speed rpm
P1 = Ing. effekt kW / Power input kW
T2 = Utg. vridmoment Nm / Output torque Nm
i = Utväxling n1/n2 / Ratio n1/n2

Viktigt se tabell värmefaktor sid. 108
Observe the thermal rating, see page 108

Vid andra driftsförhållande, se sidan 107 - 108
If working conditions are different, please pay attention to the correction factors, see page 107 - 108

Typ / Type	i = 1:1		i = 1:1,5		i = 2:1		i = 3:1		i = 4:1		i = 5:1		
	n1	P1	T2	P1	T2	P1	T2	P1	T2	P1	T2	P1	T2
RM 12	2800	3.08	10.1	-	-	1.61	10.6	0.59	5.8	-	-	-	-
	2000	2.30	10.6	-	-	1.19	10.9	0.46	6.3	-	-	-	-
	1500	1.88	11.5	-	-	0.94	11.5	0.38	6.9	-	-	-	-
	1000	1.36	12.5	-	-	0.68	12.5	0.27	7.5	-	-	-	-
	800	1.17	13.4	-	-	0.59	13.4	0.23	8.1	-	-	-	-
	600	0.94	14.4	-	-	0.47	14.4	0.19	8.6	-	-	-	-
	400	0.67	15.4	-	-	0.34	15.4	0.13	8.9	-	-	-	-
	100	0.18	16.8	-	-	0.09	16.7	0.03	9.4	-	-	-	-
	50	0.10	18.2	-	-	0.05	18.2	0.02	9.8	-	-	-	-
	10	0.02	19.2	-	-	0.01	19.2	0.01	10.1	-	-	-	-
RM 19	2800	16.27	53.3	7.36	36.1	6.51	42.6	2.40	23.6	2.07	27.1	1.32	21.6
	2000	11.94	54.7	5.38	37.0	4.73	43.4	1.75	24.0	1.50	27.5	0.96	21.9
	1500	9.17	56.1	4.12	37.7	3.60	44.0	1.34	24.5	1.13	27.6	0.72	22.1
	1000	6.26	57.4	2.81	38.6	2.46	45.1	0.91	24.9	0.77	28.3	0.49	22.5
	800	5.07	58.1	2.27	39.0	1.99	45.7	0.73	25.1	0.62	28.5	0.39	22.6
	600	3.85	58.8	1.73	39.6	1.51	46.1	0.55	25.4	0.47	28.8	0.30	22.8
	400	2.62	60.0	1.16	40.0	1.02	46.7	0.37	25.8	0.32	29.0	0.20	22.9
	100	0.69	62.9	0.30	41.5	0.27	48.8	0.10	26.4	0.08	29.7	0.05	23.4
	50	0.35	63.7	0.15	42.0	0.13	49.3	0.05	26.6	0.04	29.9	0.03	23.6
	10	0.07	64.6	0.03	42.5	0.03	49.7	0.01	26.8	0.01	30.2	0.01	23.8
RM 24	2800	17.88	58.6	12.17	59.8	8.15	53.4	3.52	34.6	3.90	51.1	2.67	43.7
	2000	13.38	61.3	8.88	61.1	5.99	54.9	2.58	35.4	2.84	52.0	2.01	46.1
	1500	10.37	63.4	6.79	62.2	4.55	55.7	1.96	36.0	2.16	52.8	1.53	46.8
	1000	7.19	66.0	4.65	63.9	3.09	56.6	1.33	36.6	1.47	53.8	1.04	47.5
	800	5.86	67.2	3.75	64.5	2.50	57.2	1.08	37.2	1.18	54.1	0.84	48.0
	600	4.51	68.9	2.86	65.7	1.89	57.8	0.82	37.4	0.90	54.7	0.65	49.4
	400	3.08	70.6	1.94	66.7	1.28	58.6	0.55	38.0	0.60	55.3	0.44	49.9
	100	0.82	75.3	0.50	69.1	0.32	58.9	0.14	38.9	0.15	56.1	0.11	51.4
	50	0.42	77.0	0.25	70.0	0.16	59.1	0.07	39.0	0.08	57.0	0.06	51.8
	10	0.09	79.5	0.05	71.1	0.03	59.5	0.01	39.2	0.02	57.6	0.01	52.8
RM 32	2800	40.8	133.4	23.5	115.2	15.5	101.8	7.33	72.0	5.42	71.0	3.52	57.6
	2000	30.4	139.2	17.6	121.0	11.5	105.6	5.76	79.2	4.14	75.8	2.64	60.5
	1500	23.6	144.0	13.7	125.3	8.8	107.5	4.40	80.6	3.14	76.8	2.01	61.4
	1000	16.3	149.8	9.4	129.6	6.0	109.4	2.98	82.1	2.12	77.8	1.36	62.4
	800	13.3	152.6	7.8	133.9	4.9	111.4	2.43	83.5	1.72	78.7	1.11	63.4
	600	10.2	156.5	6	136.8	3.7	113.3	1.85	85.0	1.30	79.7	0.85	64.8
	400	7.0	160.3	4.1	141.1	2.5	115.2	1.26	86.4	0.88	80.6	0.57	65.8
	100	1.9	170.9	1	144.0	0.6	119.0	0.32	89.3	0.23	84.5	0.15	67.2
	50	0.9	174.7	0.5	146.9	0.3	122.9	0.16	90.7	0.12	86.4	0.07	68.2
	10	0.2	180.5	0.1	149.8	0.1	124.8	0.03	92.2	0.02	88.3	0.02	69.1

Om växeln endast används för drivning åt ett håll kan växlens prestanda höjas med upp till 30%
If the bevel gear rotates to the left or right only, you can increase the performance by up to 30%

Fet stil = lagervara på fabrik
bold = in stock