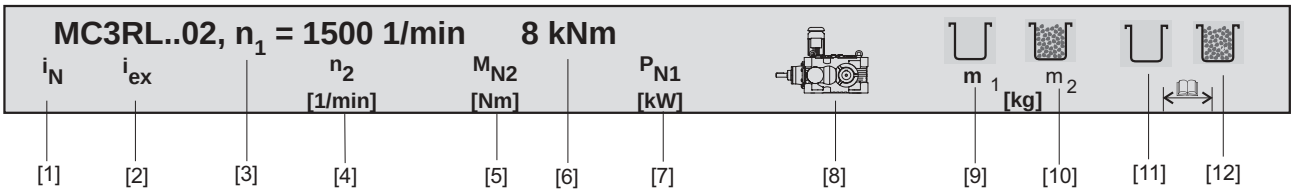
4 Selection Tables

4.1 Structure of selection tables



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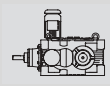
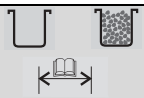
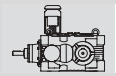
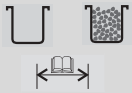
Legend

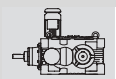
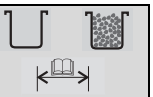
[1] Rated gear unit reduction ratio
[2] Exact gear unit reduction ratio
[3] Input speed
[4] Output speed
[5] Rated torque of gear unit
[6] Torque class (approximate value)
[7] Rated power of gear unit (* = pressure lubrication required)
[8] Gear unit size
[9] Weight of main gear unit, adapter, auxiliary drive for empty buckets
[10] Weight of main gear unit, adapter, auxiliary drive for filled buckets
[11] Number of page of dimension drawing for empty buckets
[12] Number of page of dimension drawing for filled buckets

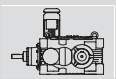
4.2 MC3RL..02

MC3RL..02, n_1 = 1500 1/min 8 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.430	51.0	8.1	45.1					
31.5	33.028	45.4	7.6	37.6					
35.5	37.384	40.1	6.9	30.5					
40	40.296	37.2	6.7	27.5	**MC3RLSF02**	271	297	44	66
45	45.224	33.2	7.6	27.7	**MC3RLHF02**			45	67
50	50.488	29.7	8.1	26.5					
56	56.661	26.5	7.7	22.3					
63	64.135	23.4	7.1	18.1					

MC3RL..02, n_1 = 1800 1/min 8 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.430	61.2	8.0	53.8					
31.5	33.028	54.5	7.5	44.8					
35.5	37.384	48.1	6.9	36.4					
40	40.296	44.7	6.7	32.8	**MC3RLSF02**	271	297	44	66
45	45.224	39.8	7.6	33.0	**MC3RLHF02**			45	67
50	50.488	35.7	8.1	31.7					
56	56.661	31.8	7.6	26.6					
63	64.135	28.1	6.9	21.3					

4.3 MC3RL..03

MC3RL..03, n_1 = 1500 1/min 11 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.602	50.7	11.5	63.7					
31.5	33.397	44.9	10.8	53.2					
35.5	35.077	42.8	10.8	50.6					
40	39.666	37.8	11.4	47.3	**MC3RLSF03**	353	390	46	68
45	44.751	33.5	10.9	40.1	**MC3RLHF03**			47	69
50	50.966	29.4	10.0	32.4					
56	57.295	26.2	11.0	31.6					
63	65.252	23.0	10.1	25.5					

MC3RL..03, n_1 = 1800 1/min 11 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.602	60.8	11.5	76.4					
31.5	33.397	53.9	10.7	63.5					
35.5	35.077	51.3	10.7	60.4					
40	39.666	45.4	11.4	56.7	**MC3RLSF03**	353	390	46	68
45	44.751	40.2	10.8	47.8	**MC3RLHF03**			47	69
50	50.966	35.3	10.0	38.6					
56	57.295	31.4	10.9	37.7					
63	65.252	27.6	10.1	30.4					

4.4 MC3RL..04

MC3RL..04, n_1 = 1500 1/min 15 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.646	50.6	16.0	88.6					
31.5	33.139	45.3	15.0	74.4					
35.5	34.627	43.3	13.2	62.9					
40	39.632	37.8	15.4	64.0	**MC3RLSF04**	462	502	48	70
45	44.302	33.9	15.0	55.8	**MC3RLHF04**			49	71
50	49.827	30.1	14.2	46.8					
56	55.993	26.8	14.1	41.5					
63	62.976	23.8	14.3	37.3					

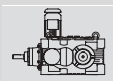
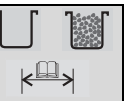
MC3RL..04, n_1 = 1800 1/min 15 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.646	60.7	15.9	106.0					
31.5	33.139	54.3	15.0	89.2					
35.5	34.627	52.0	13.2	75.2					
40	39.632	45.4	15.3	76.4	**MC3RLSF04**	462	502	48	70
45	44.302	40.6	15.0	66.8	**MC3RLHF04**			49	71
50	49.827	36.1	14.1	55.8					
56	55.993	32.1	14.1	49.6					
63	62.976	28.6	14.2	44.5					

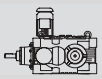
4.5 MC3RL..05

MC3RL..05, n_1 = 1500 1/min 20 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.130	51.5	20.5	116.0					
31.5	32.315	46.4	19.8	101.0					
35.5	33.829	44.3	18.3	88.9					
40	39.033	38.4	19.5	82.3	**MC3RLSF05**	600	629	50	72
45	43.301	34.6	20.1	76.4	**MC3RLHF05**			51	73
50	48.79	30.8	18.7	63.1					
56	55.438	27.1	19.8	58.8					
63	62.400	24.0	18.9	49.7					

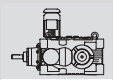
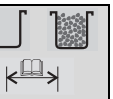
MC3RL..05, n_1 = 1800 1/min 20 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.130	61.8	20.1	136.0					
31.5	32.315	55.7	19.8	121.0					
35.5	33.829	53.2	18.3	107.0					
40	39.033	46.1	19.5	98.7	**MC3RLSF05**	600	629	50	72
45	43.301	41.6	20.0	91.2	**MC3RLHF05**			51	73
50	48.739	36.9	18.6	75.3					
56	55.438	32.5	19.7	70.3					
63	62.400	28.8	18.7	59.3					

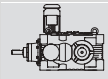
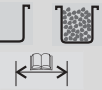
4.6 MC3RL..06

MC3RL..06, n_1 = 1500 1/min 25 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28.782	52.1	25.2	144.0					
31.5	32.302	46.4	26.1	133.0					
35.5	35.533	42.2	23.8	110.0					
40	38.796	38.7	24.3	103.0	**MC3RLSF06**	707	795	52	74
45	43.540	34.5	26.4	99.7	**MC3RLHF06**			53	75
50	49.283	30.4	24.4	81.5					
56	55.306	27.1	24.2	72.1					
63	62.600	24.0	24.7	64.9					

MC3RL..06, n_1 = 1800 1/min 25 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28.782	62.5	25.2	173.0					
31.5	32.302	55.7	26.0	159.0					
35.5	35.533	50.7	23.8	132.0					
40	38.796	46.4	24.2	123.0	**MC3RLSF06**	707	795	52	74
45	43.540	41.3	26.3	119.0	**MC3RLHF06**			53	75
50	49.283	36.5	24.2	97.0					
56	55.306	32.5	24.2	86.2					
63	62.600	28.8	24.5	77.2					

4.7 MC3RL..07

MC3RL..07, n_1 = 1500 1/min 33 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28.377	52.9	30.7	178.0					
31.5	31.876	47.1	34.5	178.0					
35.5	33.791	44.4	29.4	143.0					
40	38.024	39.4	30.7	133.0	**MC3RLSF07**	930	993	54	76
45	42.712	35.1	34.5	133.0	**MC3RLHF07**			55	77
50	48.963	30.6	33.6	113.0					
56	53.983	27.8	31.2	95.1					
63	61.883	24.2	34.0	90.3					

MC3RL..07, n_1 = 1800 1/min 33 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28.377	63.4	29.0	202.0					
31.5	31.876	56.5	32.6	202.0					
35.5	33.791	53.3	29.4	172.0					
40	38.024	47.3	30.2	157.0	**MC3RLSF07**	930	993	54	76
45	42.712	42.1	34.0	157.0	**MC3RLHF07**			55	77
50	48.963	36.8	33.5	135.0					
56	53.983	33.3	31.2	114.0					
63	61.883	29.1	33.9	108.0					

4.8 MC3RL..08

MC3RL..08, n_1 = 1500 1/min 45 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.063	51.6	39.8	225					
31.5	33.002	45.5	45.1	225					
35.5	34.901	43.0	41.6	196					
40	39.175	38.3	41.0	172	**MC3RLSF08**	1217	1345	56	78
45	44.485	33.7	46.5	172	**MC3RLHF08**			57	79
50	49.823	30.1	43.9	145					
56	56.617	26.5	47.5	138					
63	63.411	23.7	44.3	115					

MC3RL..08, n_1 = 1800 1/min 45 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29.063	61.9	37.6	255					
31.5	33.002	54.5	42.6	255					
35.5	34.901	51.6	39.4	223					
40	39.175	45.9	38.7	195	**MC3RLSF08**	1217	1345	56	78
45	44.485	40.5	44.0	195	**MC3RLHF08**			57	79
50	49.823	36.1	43.7	173					
56	56.617	31.8	45.9	160					
63	63.411	28.4	44.0	137					

4.9 MC3RL..09

MC3RL..09, n_1 = 1500 1/min 55 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28.121	53.3	50.6	296					
31.5	31.559	47.5	56.8	296					
35.5	34.467	43.5	53.0	253					
40	37.904	39.6	52.1	226	**MC3RLSF09**	1486	1639	58	80
45	42.539	35.3	58.5	226	**MC3RLHF09**			59	81
50	48.150	31.2	59.4	203					
56	54.720	27.4	58.9	177					
63	61.937	24.2	59.9	159					

MC3RL..09, n_1 = 1800 1/min 55 kNm									
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28.121	64.0	47.9	336					
31.5	31.559	57.0	53.7	336					
35.5	34.467	52.2	50.3	288					
40	37.904	47.5	49.2	256	**MC3RLSF09**	1486	1639	58	80
45	42.539	42.3	55.2	256	**MC3RLHF09**			59	81
50	48.150	37.4	59.3	243					
56	54.720	32.9	57.4	207					
63	61.937	29.1	59.6	190					

4.10 M3R..70

M3R..70, n_1 = 1500 1/min			82 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28,149	53,3	79,8	466					
31,5	31,047	48,3	80,0	424					
35,5	35,342	42,4	86,8	404					
40	39,381	38,1	86,2	360	**M3RSF70**	2140	2395	60	82
45	44,586	33,6	85,7	316	**M3RHF70**			61	83
50	50,311	29,8	82,3	269					
56	55,102	27,2	82,8	247					
63	61,944	24,2	83,2	221					

M3R..70, n_1 = 1800 1/min			82 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	28,149	63,9	79,0	554*					
31,5	31,047	58,0	79,4	505*					
35,5	35,342	50,9	82,2	459*					
40	39,381	45,7	81,8	410	**M3RSF70**	2140	2395	60	82
45	44,586	40,4	84,0	372	**M3RHF70**			61	83
50	50,311	35,8	81,6	320					
56	55,102	32,7	82,1	294					
63	61,944	29,1	82,5	263					

4.11 M3R..80

M3R..80, n_1 = 1500 1/min			103 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29,691	50,5	98,6	546					
31,5	32,741	45,8	103,3	519					
35,5	36,111	41,5	102,8	468					
40	40,806	36,8	104,5	421	**M3RSF80**	2680	2935	62	84
45	45,469	33,0	105,1	380	**M3RHF80**			63	85
50	50,298	29,8	105,8	346					
56	56,945	26,3	106,6	308					
63	62,149	24,1	97,5	258					

M3R..80, n_1 = 1800 1/min			103 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29,691	60,6	97,9	651*					
31,5	32,741	55,0	102,4	617*					
35,5	36,111	49,8	102,3	559*					
40	40,806	44,1	103,6	501*					
45	45,469	39,6	104,1	452	**M3RSF80**	2680	2935	62	84
50	50,298	35,8	104,7	411	**M3RHF80**			63	85
56	56,945	31,6	105,6	366					
63	62,149	29,0	96,4	306					

4.12 M3R..90

M3R..90, n_1 = 1500 1/min			135 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29,354	51,1	135,5	759*					
31,5	33,065	45,4	136,3	678*					
35,5	35,957	41,7	136,9	626*					
40	40,360	37,2	137,9	562*	**M3RSF90**	3480	3785	64	86
45	45,741	32,8	138,8	499*	**M3RHF90**			65	87
50	49,653	30,2	131,0	434					
56	56,945	26,3	133,6	386					
63	63,953	23,5	129,1	332					

M3R..90, n_1 = 1800 1/min			135 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29,354	61,3	134,3	903					
31,5	33,065	54,4	135,2	807					
35,5	35,957	50,1	135,7	745					
40	40,360	44,6	136,6	668	**M3RSF90**	3480	3785	64	86
45	45,741	39,4	137,4	593	**M3RHF90**			65	87
50	49,653	36,3	129,8	516*					
56	56,945	31,6	133,3	462					
63	63,953	28,1	127,7	394					

M3R..90, n_1 = 1200 1/min !			135 kNm						
i_N	i_{ex}	n_2 [1/min]	M_{N2} [kNm]	P_{N1} [kW]		m_1 [kg]	m_2 [kg]		
28	29,354	40,8	136,8	613					
31,5	33,065	36,3	137,7	548					
35,5	35,957	33,4	138,3	506					
40	40,360	29,7	139,3	454	**M3RSF90**	3480	3785	64	86
45	45,741	26,2	140,4	404	**M3RHF90**			65	87
50	49,653	24,1	132,1	350					
56	56,945	21,1	134,2	310					
63	63,953	18,7	130,3	268					