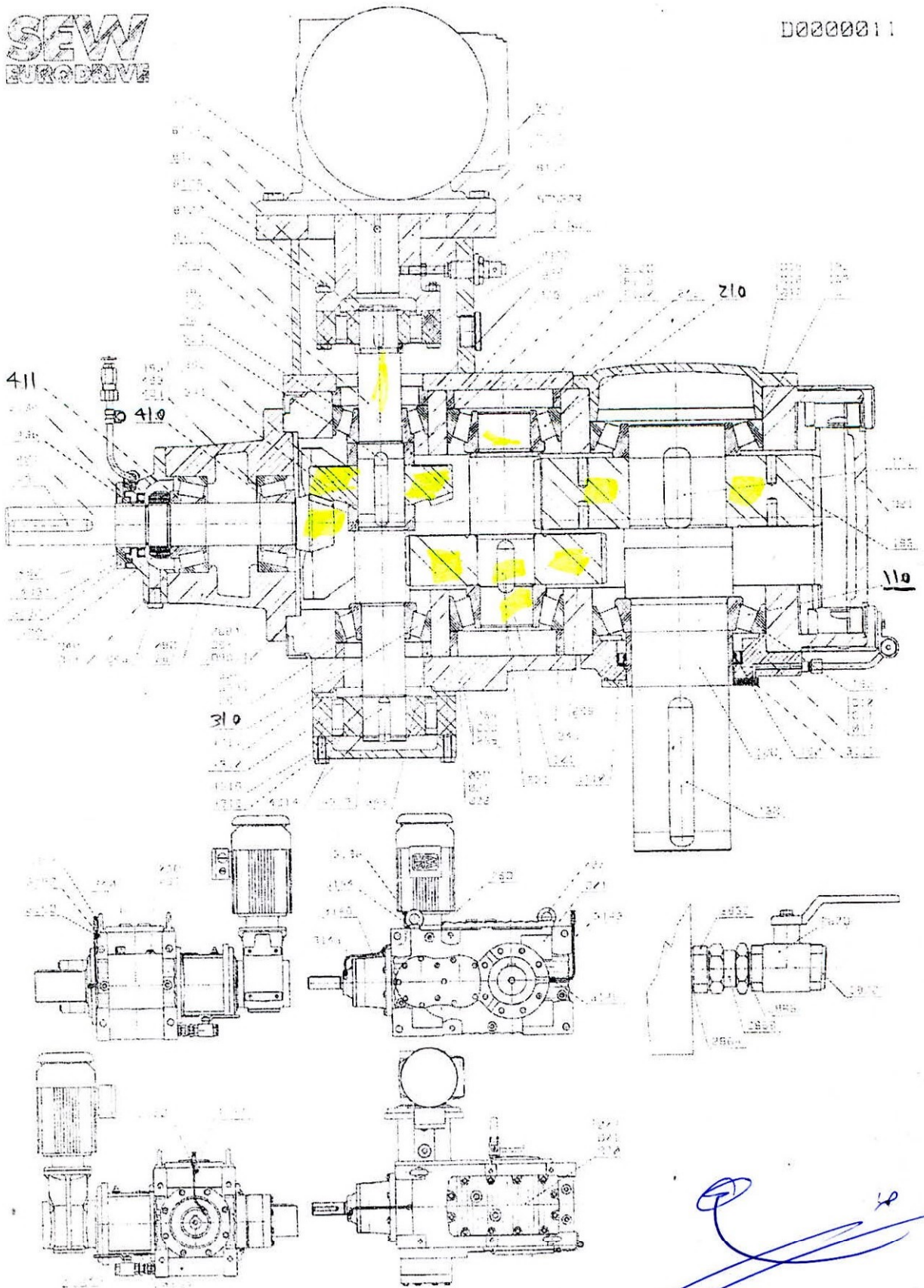


مكتب الهندسة

SEW  
EURODRIVE

D0000011



Handwritten signature and scribbles.

Work no.	M245710	Manuf. no.	K4897 - K4897	Qty	1
Customer	FA BEUMER MASCHINENFABRIK GMBH & CO. KG	EXW		17.9.2004	
Train		Designer		Manninen Sami	
Information		Date/ver.			

Pos. no.	Item	Qty	pc	Item name / Dimensions	LK	V
	GMC3RLSF05	1	pc	GEAR UNIT MC3RLSF05 $n = 1500 \text{ 1/min}$ I=48,7365 04		
0001	P0004462 A3	1	pc	DIMENSION DRAWING MC3RLS_05 4 20 63		
0005	Y0011762	1	pc	ASSEMBLY MC3R_S 4 14 63		
0006	Y0012133 A2	1	pc	ASSEMBLY MC3R_ - 2 3.55		
001	Y0007769	1	pc	HOUSING MCR5 -		
010	Y0009388	1	pc	COVER 292 250 210 160 48		
011	601845	8	pc	HEXAGON SCREW DIN933 M16 45		
013	631118	2	pc	PLUG DIN906 R1/4"		
015	Y0009372	1	pc	COVER 292 250 210 0 68		
016	601845	8	pc	HEXAGON SCREW DIN933 M16 45		
017	631118	2	pc	PLUG DIN906 R1/4"		
020	Y0009766	1	pc	JOINTCOVER 05 2P 3R BACKSTOP COVER		
021	606150	6	pc	SOC.HEAD CAP SCREW DIN912 M10 45		
022	601750	2	pc	HEXAGON SCREW DIN933 M10 30		
040	Y0009984	1	pc	COVER 180 152 120 75 8		
041	601755	6	pc	HEXAGON SCREW DIN933 M10 35		
043	631118	1	pc	PLUG DIN906 R1/4"		
070	Y0008149	1	pc	INSP.COVER 226 460 22		
071	601750	12	pc	HEXAGON SCREW DIN933 M10 30		
073	631135	2	pc	PLUG - R1		
080	Y0009960	1	pc	B.COVER - -		
081	601845	8	pc	HEXAGON SCREW DIN933 M16 45		
087	Y001341801	1	pc	SHIM 320 230 0.1		
088	Y001341802	1	pc	SHIM 320 230 0.15		
089	Y001341803	1	pc	SHIM 320 230 0.4		
100	Y0011147	1	pc	OUTPUT SHAFT 150 534		
110	6832028	2	pc	BEARING 32028		
130	Y0012316	1	pc	KEY DIN6885 B 32 18 176		
131	Y0012316	1	pc	KEY DIN6885 B 36 20 80		



# Part List

2(5)

Printed 23.7.2004 9:07:40

M245710

Pos. no.	Item	Qty	pc	Item name / Dimensions	LK	V
180	P0000410	1	pc	SEAL R 160 140 10		
193	Y001436718	1	pc	SHIM 210 192 0.1		
194	Y001436746	1	pc	SHIM 210 192 0.15		
195	Y001436774	2	pc	SHIM 210 192 0.4		
199	Y0009560	1	pc	WHEEL 4 -88 363 92 0.9 -		
201	Y0011038	1	pc	PINION 4 20 94 267 0.9 SPEC.		
210	6832314	2	pc	BEARING 32314		
231	Y0012297	1	pc	KEY DIN6885 B 22 14 43		
242	Y001364704	1	pc	BUSHING 150 127 22.6		
243	Y001364804	1	pc	BUSHING 150 127 30.3		
293	Y001436709	1	pc	SHIM 150 136 0.1		
294	Y001436737	1	pc	SHIM 150 136 0.15		
295	Y001436765	2	pc	SHIM 150 136 0.4		
299	Y0009709	1	pc	WHEEL 2.5 96 250 62 0.7 -		
301	Y001101360	1	pc	PINION 2.5 -24 69 543 0.7 SPEC.		
310	6832311	2	pc	BEARING 32311		
331	Y0012271	1	pc	KEY DIN6885 B 16 10 49		
340	Y001364916	1	pc	BUSHING 76 57.5 34.7		
341	Y001365116	1	pc	BUSHING 72 57.5 36.7		
342	P000134205	A3	1	pc	BUSHING 120 100 16.5	
343	Y001425604	1	pc	BUSHING 120 96 15.6		
393	Y001436706	2	pc	SHIM 120 104 0.1		
394	Y001436734	2	pc	SHIM 120 104 0.15		
395	Y001436762	2	pc	SHIM 120 104 0.4		
399	Y0009925	1	pc	BEVEL WHEEL 3.25 -36 0 0 - 0		
401	Y0009874	1	pc	BEVEL PINION 3.25 13 - -		
410	6832311B	1	pc	BEARING 32311B		
411	6832311B	1	pc	BEARING 32311B		
430	Y0012262	1	pc	KEY DIN6885 B 14 9 34		
436	Y0010015	1	pc	SEAL BUSHING 60 50 31.5		
470	695840	1	pc	NUT - MSR 55X2		
480	530140	1	pc	SEAL R 75 60 8		

Pos. no.	Item	Qty	pc	Item name / Dimensions	LK	V
493	Y001436706	1	pc	SHIM 120 104 0.1		
494	Y001436734	1	pc	SHIM 120 104 0.15		
495	Y001436762	1	pc	SHIM 120 104 0.4		
725	625600	2	pc	LIFTING EYE BOLT DIN580 M20		
730	Y001065212	1	pc	OILSTICK R3/4" H=175		
731	546710	1	pc	SEAL USITR-12 34.9 27.1 2.5		
740	574820	1	pc	BREATHER 1028-15-00 R3/4"		
750	631122	9	pc	PLUG - R3/4		
	DJSTD34	1	pc	DRAIN VALVE TAJD R3/4		
2860	Y0010654	A2	1	kpl ASSEMBLY ----		
2862	545000	1	pc	MALE NIPPLE - R3/4		
2864	546710	1	pc	SEAL USITR-12 34.9 27.1 2.5		
2866	530700	1	pc	NIPPLE - R3/4		
2868	546710	1	pc	SEAL USITR-12 34.9 27.1 2.5		
2870	547411	1	pc	VALVE - R3/4		
2872	631122	1	pc	PLUG - R3/4		
	CCMC05TAC	1	pc	RADIAL LABYRINTH SEAL WITH GREASE NIPPLE /HSS		
3107	Y0012554	A2	1	pc ASSEMBLY MCR ---		
3108	P0003085	A3	1	pc ASSEMBLY ----		
3132	Y0010608	1	pc	OIL FLINGER 112 60 18		
3134	631720	1	pc	SET SCREW DIN913 M6 16		
3136	P0003099	1	pc	GREASE NIPPLE DIN3404, Ø16 R1/8"		
3144	Y0016705	1	pc	FITTING VOSS BAL-06R R1/8		
3146	532100	1	pc	FITTING VOSS CLL-06RK R1/8		
3148	Y0016713	1	m	PIPE - 6 -		
3150	Y0016715	1	pc	CLAMP 03-LEP-06 6		
3152	601580	1	pc	HEXAGON SCREW DIN933 M5 12		
3154	602100	1	pc	HEXAGON NUT DIN934 M5		
	QQMC05TAC	1	pc	RADIAL LABYRINTH SEAL WITH GREASE NIPPLE /LSS		
3105	Y0014094	A2	1	pc ASSEMBLY MC ---		
3106	P0003086	A3	1	pc ASSEMBLY ----		
3110	Y0009404	1	pc	OIL FLINGER 195 140 15		

# Part List

4(5)

Printed 23.7.2004 9:07:40

M245710

Pos. no.	Item	Qty	pc	Item name / Dimensions	LK	V
3112	631720	1	pc	SET SCREW DIN913 M6 16		
3114	P0003099	1	pc	GREASE NIPPLE DIN3404, Ø16 R1/8"		
3144	Y0016705	1	pc	FITTING VOSS BAL-06R R1/8		
3146	531700	1	pc	FITTING VOSS ALL-06RK R1/8		
3148	Y0016713	1	m	PIPE - 6 -		
3150	Y0016715	1	pc	CLAMP 03-LEP-06 6		
3152	601580	1	pc	HEXAGON SCREW DIN933 M5 12		
3154	602100	1	pc	HEXAGON NUT DIN934 M5		
	SWKF67DV1004C38	1	pc	GEARED MOTOR SEW KF67DV100M4C, i=38.39, b1=180 Motor power 2.2 [kW] Output torque with auxiliary drive 9.73 [kNm] , Output speed with auxiliary drive 2.07 [1/min] 2.2 kW, IP55, ISO F, M4A/A, KK-Lage 0°, mit Schutzdach C, 400 V, 50 Hz Vermerk: M2457.		
	AHFXM10040SX	1	pc	BACKSTOP FXM10040SX Ø55H7, (16JS10 59.3 +0.2) Backstop - Max. allowed LSS torque 37.4 [kNm]		
4305	Y0014996	A2	1	kpl ASSEMBLY MC3R - - -		
4311	Y0012573		1	pc FLANGE 190 130 13		
4312	601210		12	pc HEXAGON SCREW DIN931 M10 100		
4313	Y001500805		1	pc COVER 190 165 - - 35		
4314	618700		2	pc RETAINING RING DIN471 55x2		
4316	Y0013308		1	pc KEY DIN6885 B 14 9 36		
	FCMC05KF67		1	pc AUXILIARY DRIVE CONNECTION /MC05/KF67		
8100	P0004235	A3	1	kpl ASSEMBLY MC3RL 05, 06, 07, 09MD - - - ,		
8111	AHFXM07625DX45		1	pc BACKSTOP FXM07625DX Ø45H7 (14JS10, 48.8 +0.4)		
8112	601780		4	pc HEXAGON SCREW DIN933 M12 30		
8114	Y0017959		1	pc COUPLING FLANGE 140 40 94		
8115	P0000394		1	pc SET SCREW DIN914 M8 15		
8116	601105		8	pc HEXAGON SCREW DIN931 M8 65		
8118	601715		1	pc HEXAGON SCREW DIN933 M8 45		
8119	602300		1	pc HEXAGON NUT DIN934 M8		
8120	602300		8	pc HEXAGON NUT DIN934 M8		
8122	Y001364909		1	pc BUSHING 59 45.1 15.1		
8124	Y0013854		1	pc KEY DIN6885 B 14 5 34		
8126	618150		1	pc RETAINING RING DIN471 45x1.75		

## Part List

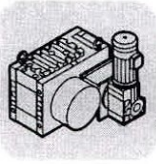
5(5)

Printed 23.7.2004 9:07:40

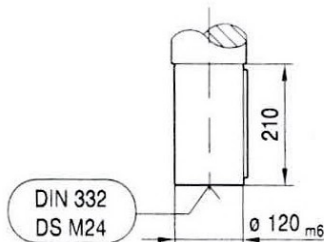
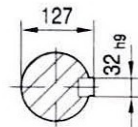
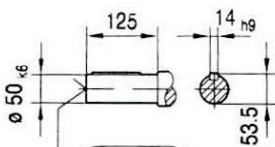
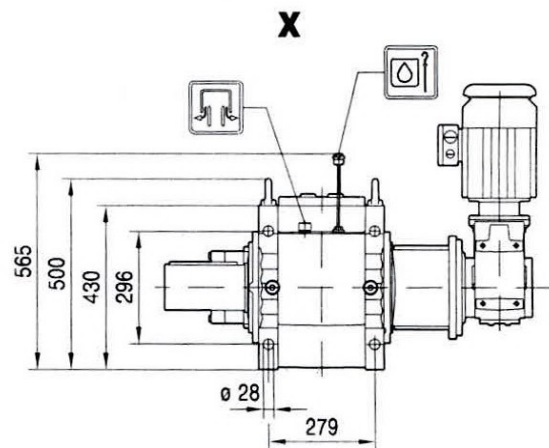
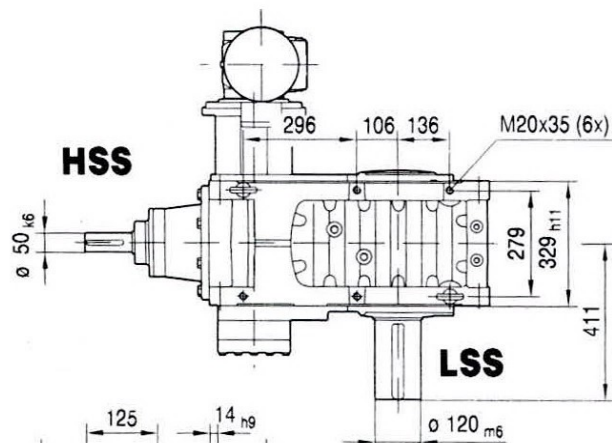
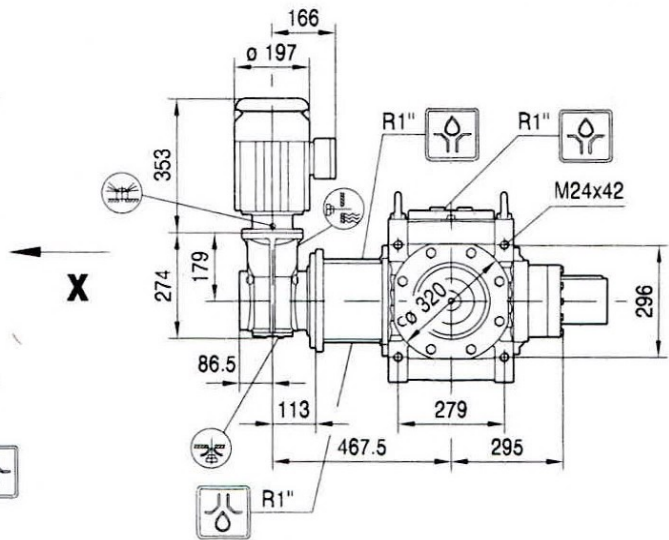
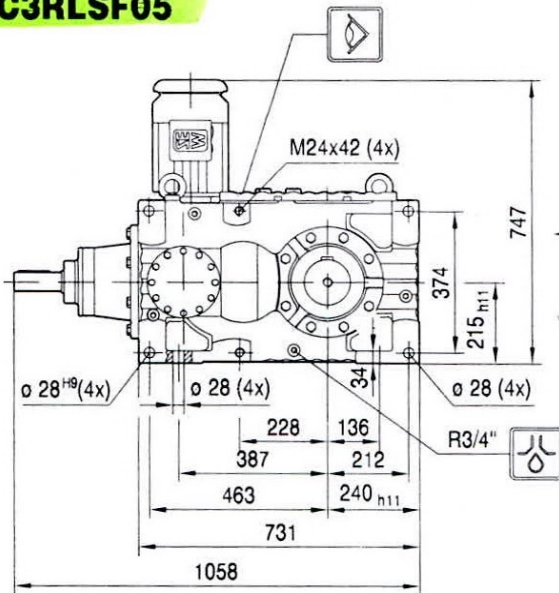
M245710

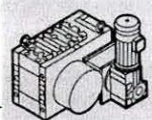
Pos. no.	Item	Qty	pc	Item name / Dimensions	LK	V
8128	P0001375	1	pc	MOTOR ADAPTER FLANGE SEW KF67		
8130	601755	10	pc	HEXAGON SCREW DIN933 M10 35		
8132	P0003088	1	pc	PLUG DIN908 M18x1		
8133	631130	2	pc	PLUG DIN 906 R R1		

















47 009 00 02

**MC3RLSF05**















## 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]					
28	29.646	50.6	16.0	88.6		462	502	48	70
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					
45	44.302	33.9	15.0	55.8					
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]					
28	29.646	60.7	15.9	106.0		462	502	48	70
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					
45	44.302	40.6	15.0	66.8					
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]					
28	29.130	51.5	20.5	116.0		600	629	50	72
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					
45	43.301	34.6	20.1	76.4					
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]					
28	29.130	61.8	20.1	136.0		600	629	50	72
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					
45	43.301	41.6	20.0	91.2					
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					