

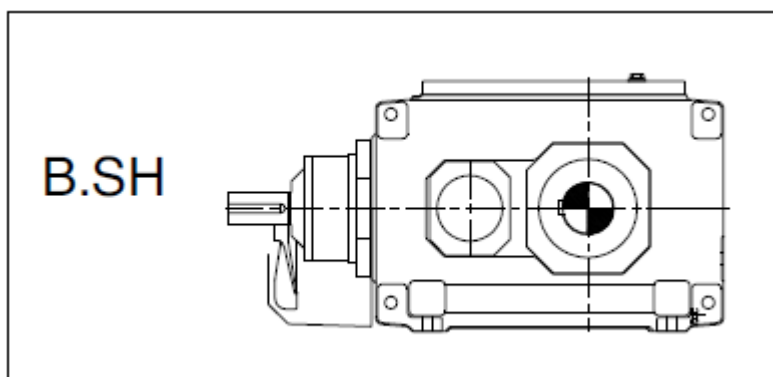
15 FLENDER GEARBOX SETS

DESCRIPTION

NEVER USED, NEVER ASSEMBLED – There are 15 large gearbox sets included in this package manufactured and assembled by **SIEMENS / FLENDER** in their German factory. Originally built for a mining conveyor system, these solid shaft gearboxes each include: an internal backstop (torque reaction arm), 2 couplers, swing base, Leroy Somer motor and protective covers.

See the attached pages for size details, specifications and additional information about the gearboxes and couplers included in this package.

FLENDER



I.D.	23C - AR01
OEM	Siemens / Flenders
YOM	2014
LOCATION	Indoor Warehouse Dunkirk, France
CONDITION	NEVER USED
PACKAGING	Original Packaging

	SPECIFICATIONS
GEARBOX TYPE	Bevel Helical Gear Unit
STAGES	3
SHAFT	Solid
MOUNTING POSITION	Horizontal
HIGH SPEED COUPLER	Flender / N-Eupex
LOW SPEED COUPLER	Ringspann / RFK



YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Pre-Owned Mining, Processing & Construction Equipment Since 1979

15 FLENDER GEARBOX SETS SPECIFICATIONS



15 FLENDER GEARBOXES		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TAG No.		220-CV-1000 M1	220-CV-1000 M2	222-CV-1000 M1	222-CV-1000 M2	515-CV-2000 M	510-CV-4200 M1	510-CV-4200 M2	510-CV-4100 M	510-CV-4000 M	510-CV-4400 M	520-CV-1000 M	520-CV-2000 M	520-CV-3000 M	515-CV-2200 M1	515-CV-2200 M2
SERIAL NUMBER		4751649-210-1...1	4751649-310-1...1	4751649-2110-1...1	4751649-2210-1...1	4751649-1210-1...1	4751649-3110-1...1	4751649-3210-1...1	4751649-4110-1...1	4751649-5010-1...1	4751649-5910-1...1	4751649-6810-1...1	4751649-7710-1...1	4751649-8610-1...1	4751649-9510-1...1	4751649-9610-1...1
MODEL	FLENDER	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH	B3SH
SIZE	FLENDER	514	514	512	512	512	511	511	511	511	507	507	507	505	505	505
WEIGHT	KGS	5750	5750	4355	4355	4355	3950	3950	3950	3950	2105	2050	2050	1420	1280	1280
POWER RATING (P)	P2 / PM kW	221 / 355	221 / 355	152 / 250	152 / 250	209 / 315	127 / 200	127 / 200	144 / 200	149 / 200	90 / 110	73 / 90	73 / 90	48 / 75	36.5 / 55	36.5 / 55
INPUT SPEED (n1)	RPM	1487	1487	1487	1487	1487	1487	1487	1487	1487	1487	1487	1487	1487	1487	1487
OUTPUT SPEED (n2)	RPM	36.37	36.37	46.38	46.38	59.65	49.65	49.65	49.65	49.65	93.39	65.62	65.62	94.35	94.35	94.35
RATIO	i =	40.89	40.89	32.060	32.060	24.930	29.950	29.950	29.950	29.950	15.940	22.660	22.660	15.760	15.760	15.760
NOMINAL CAPACITY	Nm	125000	125000	81000	81000	81000	63500	63500	63500	63500	21500	21500	21500	11600	11600	11600
OIL QUANTITY	LITERS	155	155	89	89	89	84	84	84	84	32	32	32	18	18	18
OIL VISCOSITY		PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL	PG-OIL
HIGH SPEED COUPLER	N-Eupex	A280	A280	A250	A250	A280	A225	A225	A225	A225	A200	A180	A180	A180	A160	A160
LOW SPEED COUPLER	RFK	RFK-250	RFK-250	RFK-210	RFK-210	RFK-210	RFK-170	RFK-170	RFK-170	RFK-170	RFK-140	RFK-140	RFK-140	RFK-115	RFK-115	RFK-115
MOTOR – LEROY SOMER*	V/P/Hz	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50	690/3/50

***NOTE** – The GEARBOXES can be purchased separately from the Leroy Somer motors.

15 FLENDER GEARBOX SETS

HIGH SPEED COUPLER

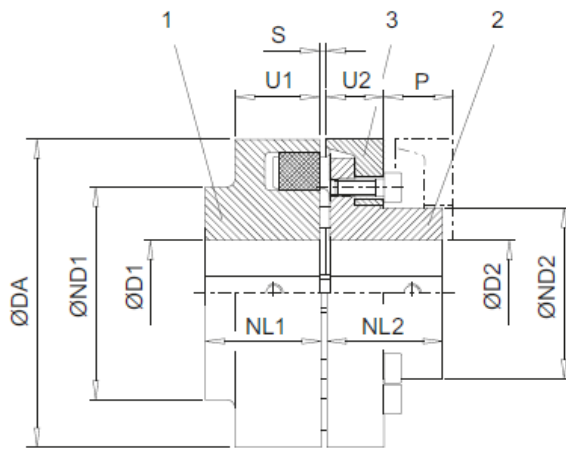
DESCRIPTION

Each of the 15 gearboxes includes a Flender N-Eupex high-speed coupler:

- A-280 – 3 Units
- A-250 – 2 Units
- A-225 – 4 Units
- A-200 – 1 Units
- A-180 – 3 Units
- A-160 – 2 Units

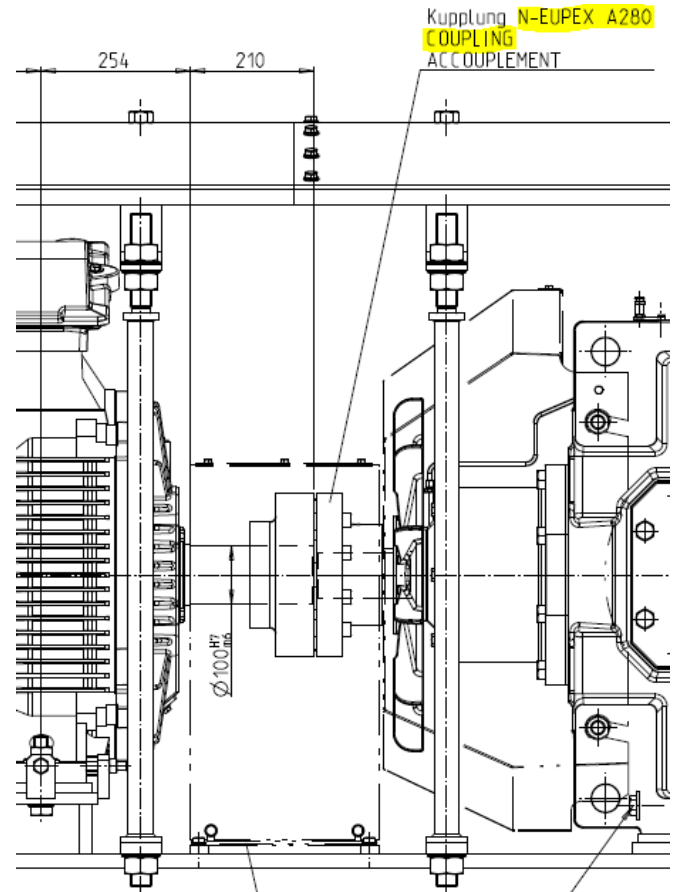


Type A



- 1 Coupling part 1
- 2 Coupling part 2
- 3 Coupling part 3

Figure A-1 Type A



HS COUPLER	SPECIFICATIONS
OEM	FLENDER
MODEL	N-Eupex, Type A
YOM	2014
TOTAL UNITS	15 (1 per GB)

Table A-1 Speeds, geometry data and weights of type A

Size	Speed n_{max} rpm	Maximum bore ¹⁾		DA	ND1	ND2	NL1 / NL2	S	U1	U2	P	Weight ²⁾ m kg
		D1 mm	D2 mm									
160	4 250	65	58	160	108	95	60	2 ... 6	39	28	47	8.4
180	3 800	75	65	180	125	108	70	2 ... 6	42	30	50	12
200	3 400	85	75	200	140	122	80	2 ... 6	47	32	53	17
225	3 000	90	85	225	150	138	90	2 ... 6	52	38	61	23
250	2 750	100	95	250	165	155	100	3 ... 8	60	42	69	31
280	2 450	110	105	280	180	172	110	3 ... 8	65	42	73	41



YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Pre-Owned Mining, Processing & Construction Equipment Since 1979

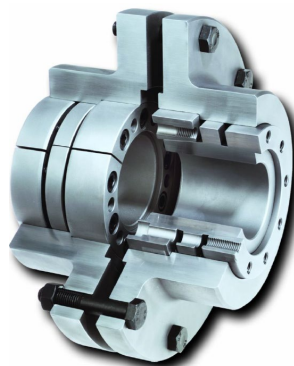
15 FLENDER GEARBOX SETS

LOW SPEED COUPLER

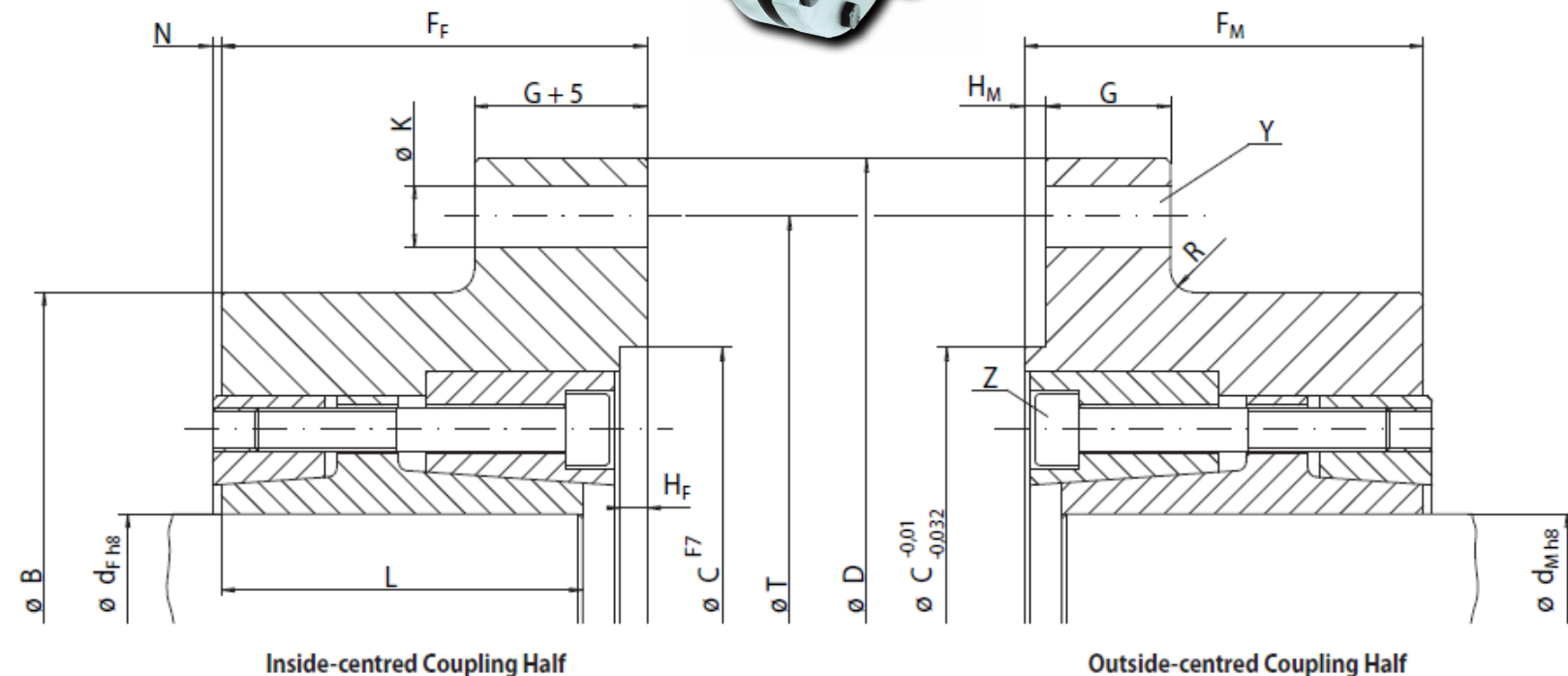
DESCRIPTION

Each of the 15 gearboxes includes a Ringspann RFK low-speed coupler:

- RFK 250 – 2 Units
- RFK 210 – 3 Units
- RFK 170 – 4 Units
- RFK 140 – 3 Units
- RFK 115 – 3 Units



LS COUPLER	SPECIFICATIONS
OEM	Ringspann
MODELS AND No. OF UNITS	RFK
YOM	2014
TOTAL UNITS	15 (1 per GB)



Inside-centred Coupling Half

Outside-centred Coupling Half

Flange-Coupling RFK Size Coupling Half		Shaft	Max. torque	B	C	D	F _F	F _M	G	H _F	H _M	K	L	N	R	T	Connection screws 10.9		Clamping screws 12.9		Weight
Inside-centred	Outside-centred	d _F or d _M mm	M Nm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Y*	Tightening torque Nm	Z**	Tightening torque Nm	kg
115 F	115 M	min. 95 max. 115	28 000 35 500	230	300	400	115	105	30	10	6	25	100	8	40	350	8 x M 24 x 100	1020	7 x M 14	229	47 45
140 F	140 M	min. 115 max. 140	45 000 56 000	270	300	400	115	105	30	10	6	25	100	8	20	350	8 x M 24 x 100	1020	10 x M 14	229	55 51
170 F	170 M	min. 140 max. 170	90 000 112 000	330	300	560	145	135	36	12	8	32	128	10	30	480	18 x M 30 x 120	2030	11 x M 16	354	112 105
210 F	210 M	min. 170 max. 210	160 000 200 000	390	300	560	145	135	36	12	8	32	128	10	20	480	18 x M 30 x 120	2030	16 x M 16	354	137 125
211 F	211 M	min. 170 max. 210	160 000 200 000	430	350	630	145	135	40	12	8	32	128	10	20	550	18 x M 30 x 130	2030	16 x M 16	354	160 148
250 F	250 M	min. 210 max. 250	265 000 315 000	470	350	630	160	150	40	12	8	32	140	10	10	550	18 x M 30 x 130	2030	14 x M 20	692	199 183



YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

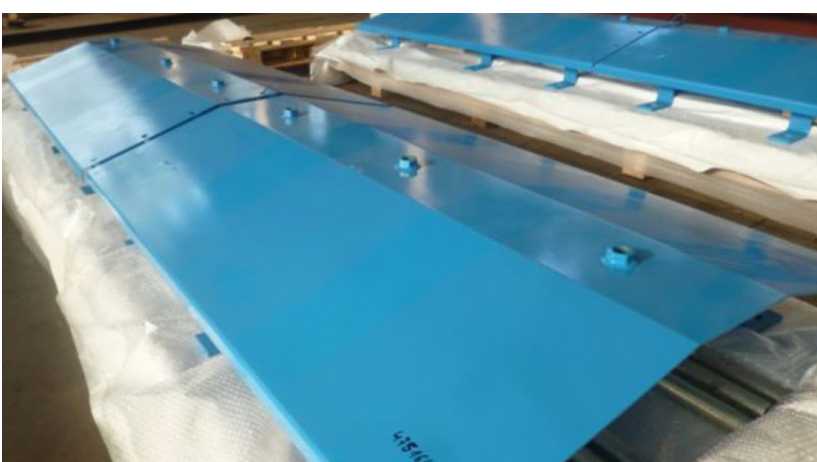
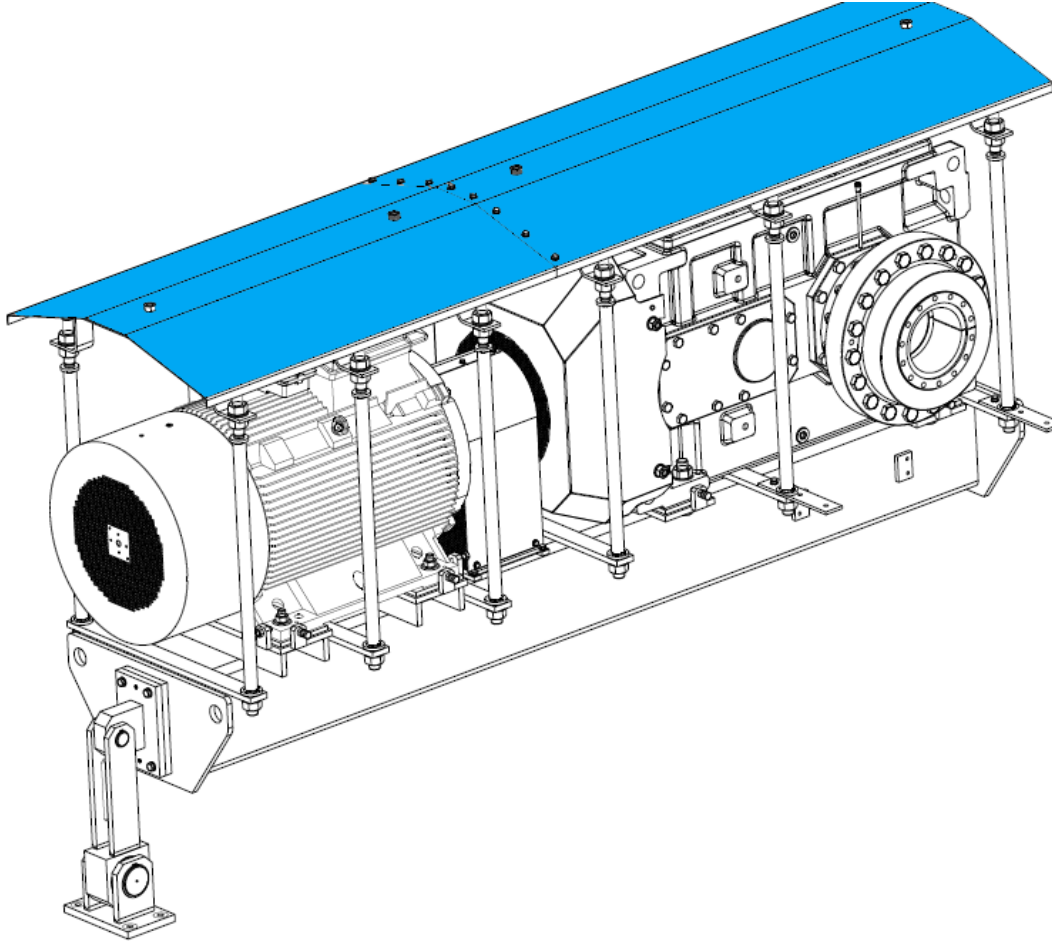
Pre-Owned Mining, Processing & Construction Equipment Since 1979

15 FLENDER GEARBOX SETS

PROTECTIVE COVER

DESCRIPTION

Each Flender gearbox to provide basic protection from the weather and falling debris.



YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Pre-Owned Mining, Processing & Construction Equipment Since 1979

APPENDIX A

15 FLENDER GEAR BOX SETS

PICTURES



YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

15 FLENDER GEARBOX SETS

PICTURES



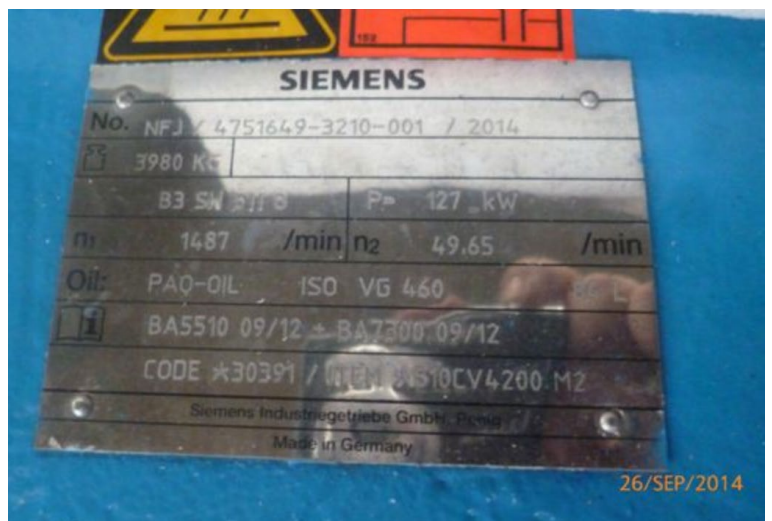
YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Pre-Owned Mining, Processing & Construction Equipment Since 1979

15 FLENDER GEARBOX SETS

PICTURES



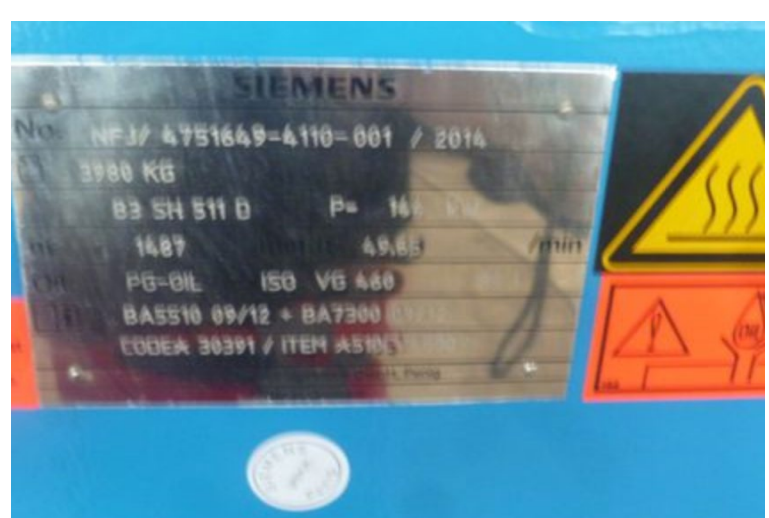
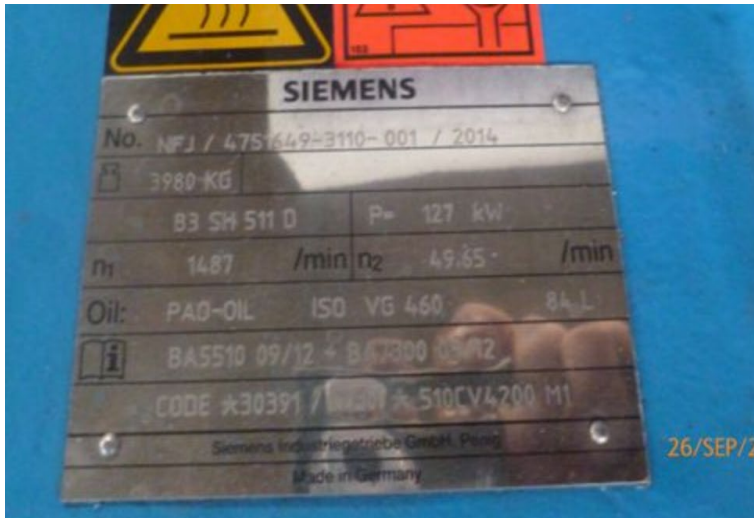
YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Pre-Owned Mining, Processing & Construction Equipment Since 1979

15 FLENDER GEARBOX SETS

PICTURES



YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Pre-Owned Mining, Processing & Construction Equipment Since 1979

APPENDIX B

15 FLENDER GEAR BOX SETS

DRAWINGS

*NOTE – Please contact us at admin@amking.com for a set of full-size drawings



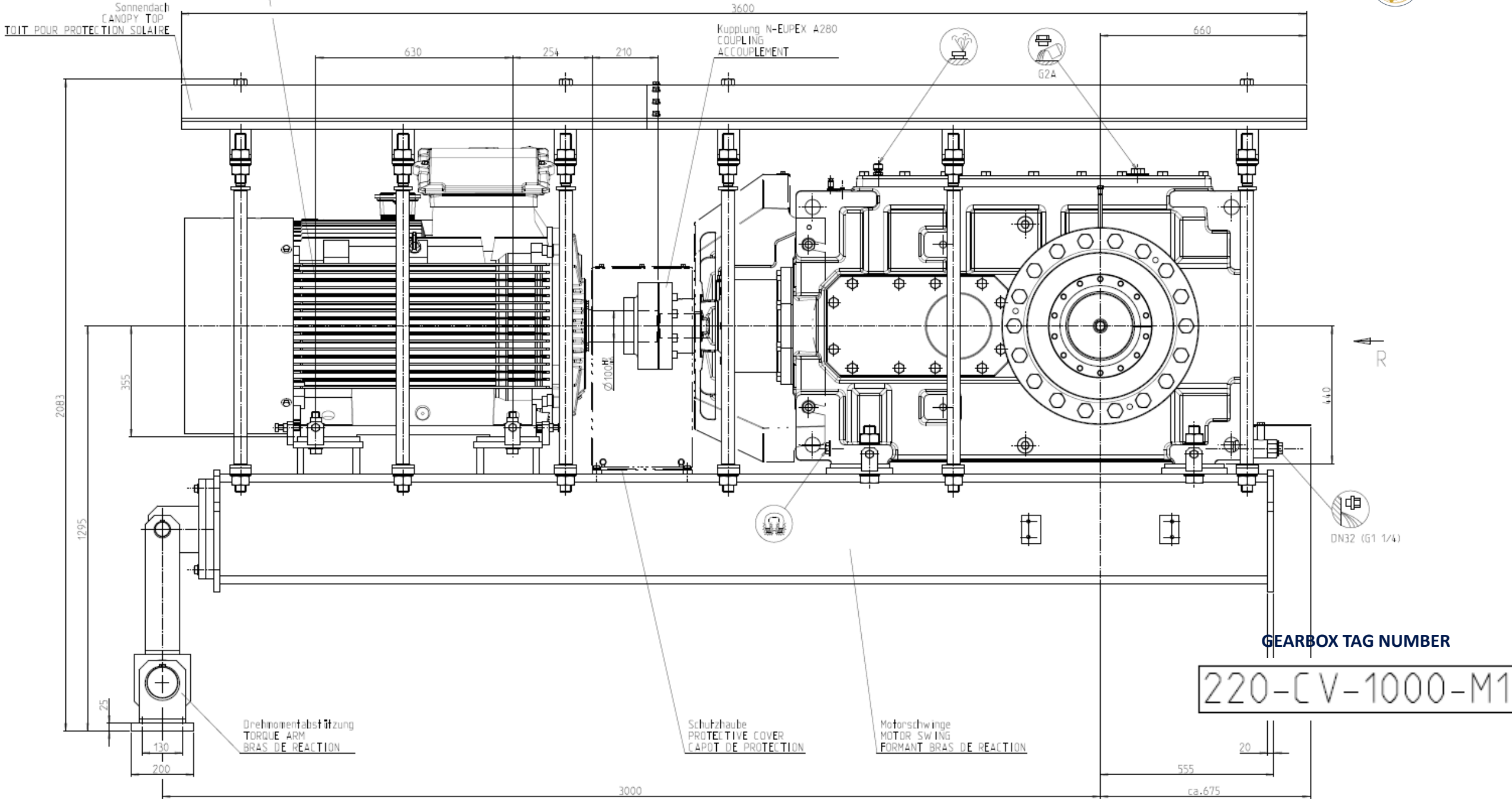
YOU MINE. WE SELL.

+1 (530) 534-7965
info@amking.com

Motor 355L - Beistellung durch RBL-REI
MOTOR - PROVISION BY RBL-REI
MOTEUR - FOURNITURE PAR RBL-REI

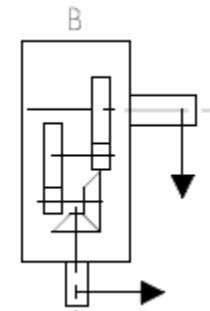
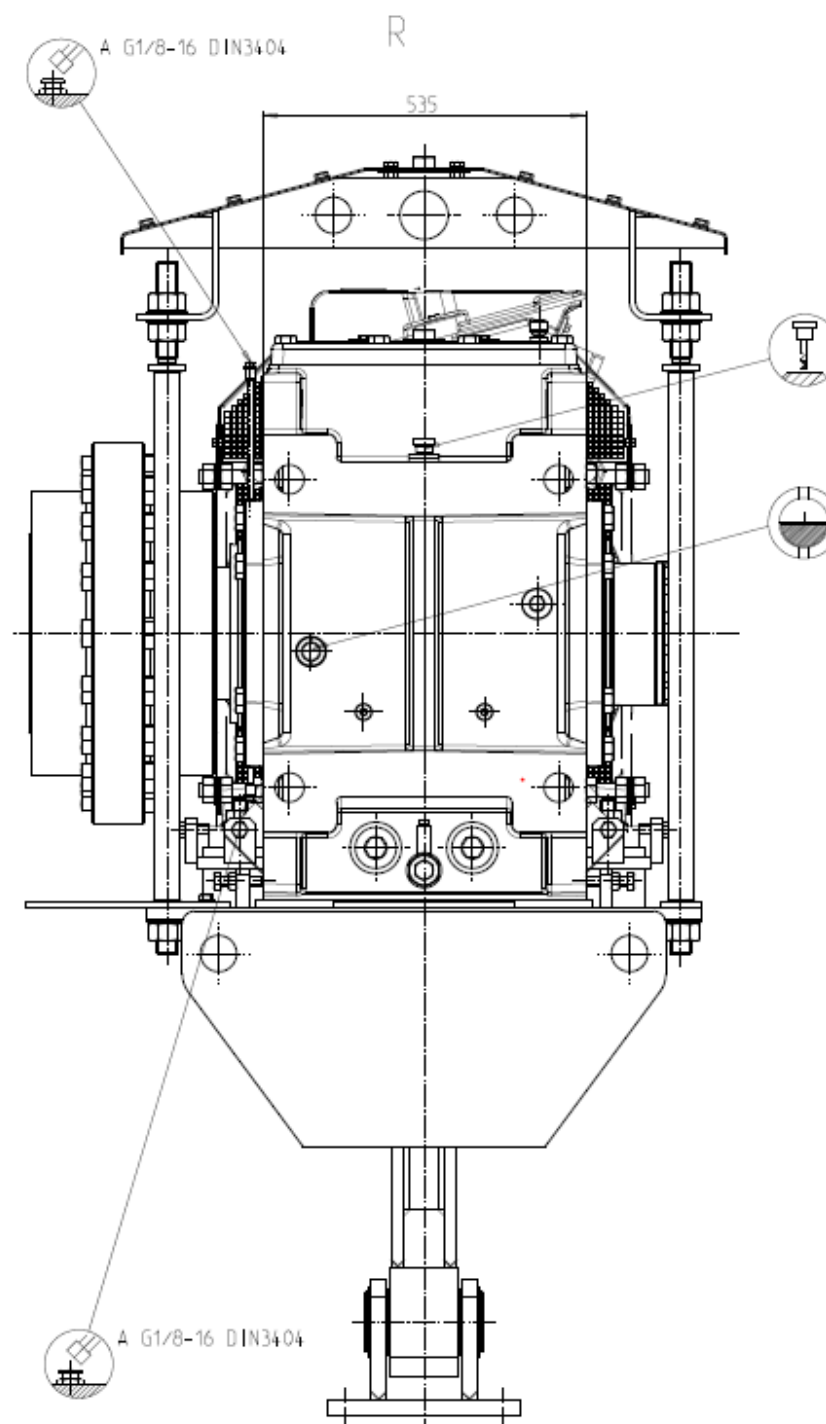
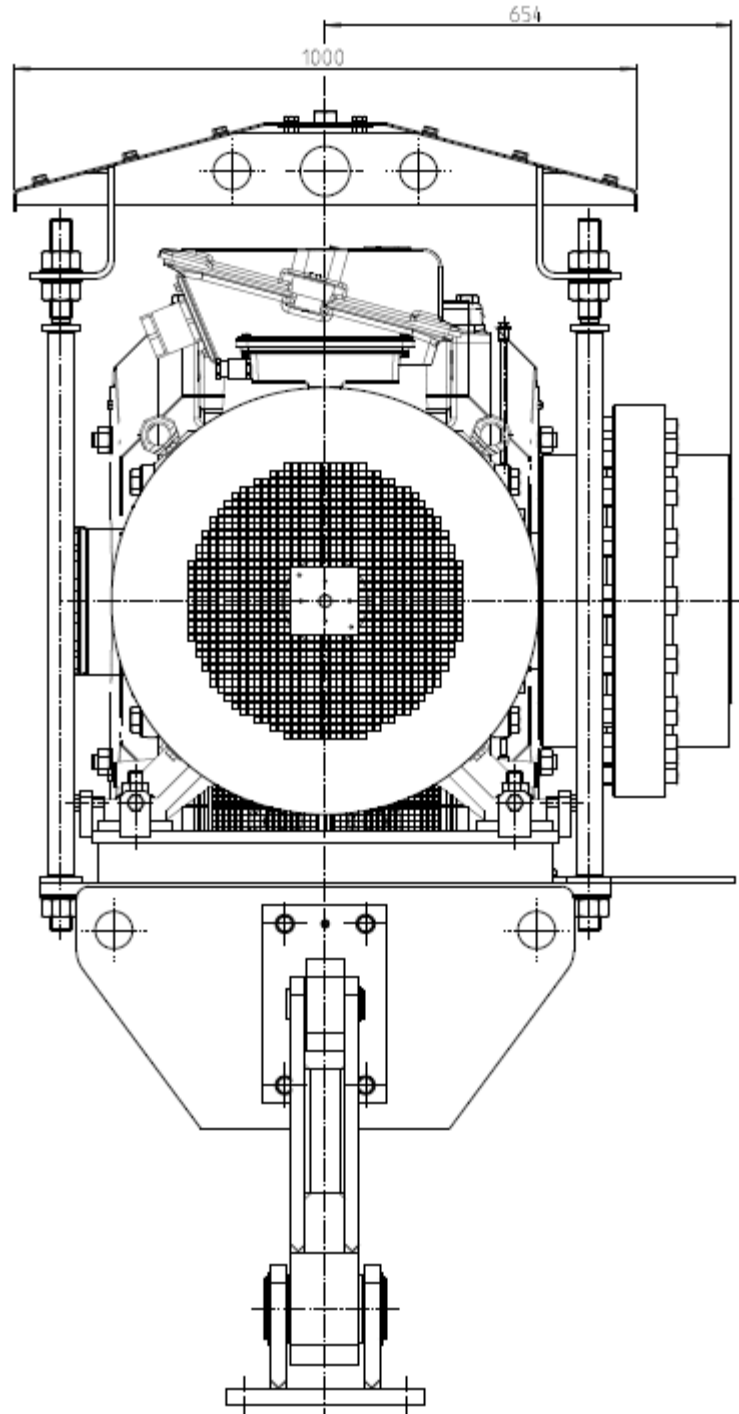


YOU MINE. WE SELL.





YOU MINE. WE SELL.



Arrows show relative
directions of rotation

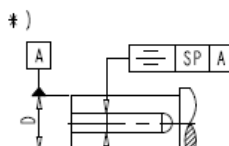
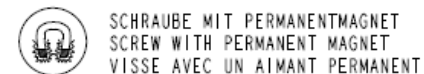
Parallel keyway(s) to DIN 6885-1,
light seating and centering(s)
to DIN 332, shape DS

Cylindricity tolerance for shafts
and bores IT6 to DIN ISO 286

In order to prevent personal injury,
the plant operator must protect all
moving parts against contact with
persons in accordance with operative
national laws and guidelines!

GEARBOX TAG NUMBER

220-CV-1000-M1



Part name, at levels		Qty No.		0790	
Supersedes		Draw Date		Unblock part size % day	
				Other details acc. % day	
Title Change Description P40-21 in PG-A1 printed					
Tolerance		Surface		Material	Weight
Tolerancing ISO 8015 / ISO 7168-MH					SMS
General tol. for machining <=30 >=3					kg
		Author Singert		Scale 4:300	
		Created 2014-07-18 Lindgruf			
		Approved 2014-07-18 Nagel		DIMENSIONAL DRAWING B3SH 514	
		Environment 1 DT MD AP EMEA CDC MAH PNG		PLAN DEKOMPLEMENT	
		Change Order P5A000371734		MASSZCHUNG B3SH 514	
				PLAN DEKOMPLEMENT	
				MLB	
				Doc Type TB / MB	
SIEMENS		Rev State Released		Date No	
		Revision 002 Issue RS a		Doc No 645177	
				Paper Size A0	
				Top Language EN Bot Language DE	
© SIEMENS AG 2014					

