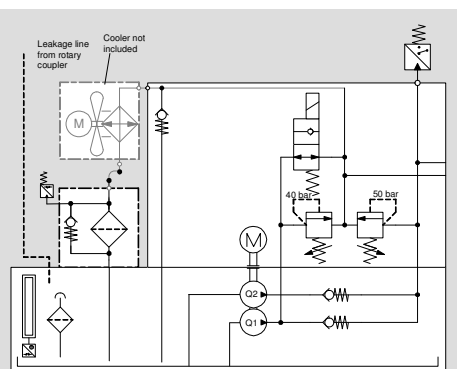


NEW!

Compact power units CO3

with single or 3-phase AC motor



up to 250 bar
up to 30 l/min



FEATURES

- very low noise level by special design
- flexible control of consumers by combination with tandem pumps possible
- rigid aluminium-oil tank with up to 70 litres content

SPECIFICATIONS

Flow rate:	1,3 up to 30 l/min
Operating pressure:	max. 250 bar
Motor:	0,55 up to 5,5 kW
IP protection class:	DIN EN 60034-5 min IP54
Pump size:	1,0 – 10,0 cm ³ also tandem pump possible
Oil tank:	20, 30, 44 and 70 l content
Fluids:	Hydraulic oil according to DIN 51524 part 1/ 2
Temperature range of operating fluid:	-20 °C up to max. +80 °C
Ambient temperature range:	-20 °C up to max. +40 °C
Viscosity range:	10 – 380 mm ² /s is recommended
Filtration:	Class 21/19/16 according to ISO 4401 or cleaner
Cooling:	Air- or water cooler
Weight:	from 17 up to 70 kg
Backflow:	up to max. 60 l/min

1. Oil tank

Rigid oil tank made of aluminium with filling volume from 20 l to 70 l. The size of the oil tank can be calculated like this: the oil content in the consumers as well as the content in hoses and pipes plus surplus of approx. 25% for a remaining amount in the oil tank.

Type	Filling volume	Take-out volume	Tank dimensions (BxLxH)
A 20	20 l	17 l	288 x 366 x 245 mm
A 30	30 l	25 l	340 x 490 x 285 mm
A 44	44 l	36 l	415 x 515 x 315 mm
A 70	70 l	58 l	465 x 605 x 365 mm

Equipment oil tank:

1.1 Oil tank cover

To close the oil tank, made of steel Type e.g. DA 44.1

1.2 Oil control

Type annotation

F with FSA 127 is Standard (Oil content control)

Optional:

O optical/electrical level indicator FSK

ENS3 electrical level indicator ENS3000 (with temperature display)

TS-80 Thermal switch opener 80°C; 190 lg; Electrical connect. M12x1

2. Motor - pump - group

Performances from 0.55 up to 5.5 kW, sizes BG71 - BG100. Choice from a large number of displacement volumes. Selection of gear pumps and gear tandem pumps possible, sizes Bg1 and Bg2..

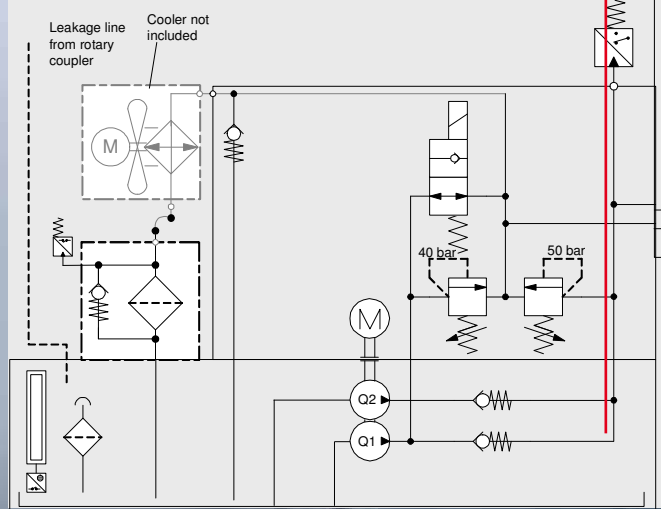
Choice single pump Bg1

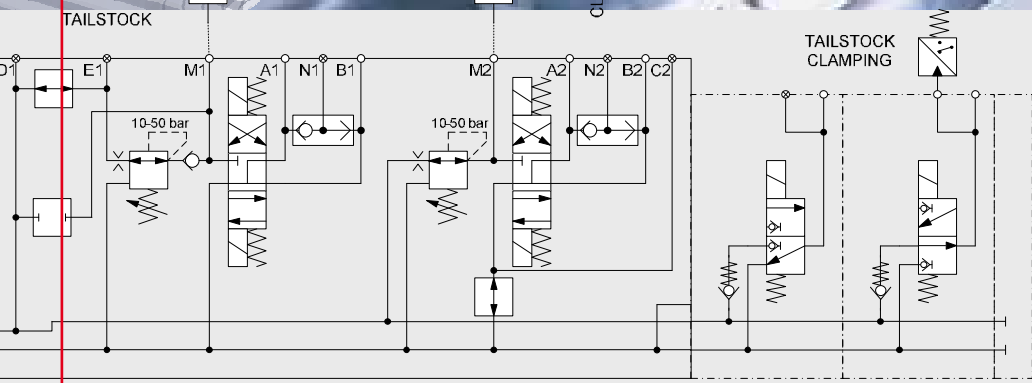
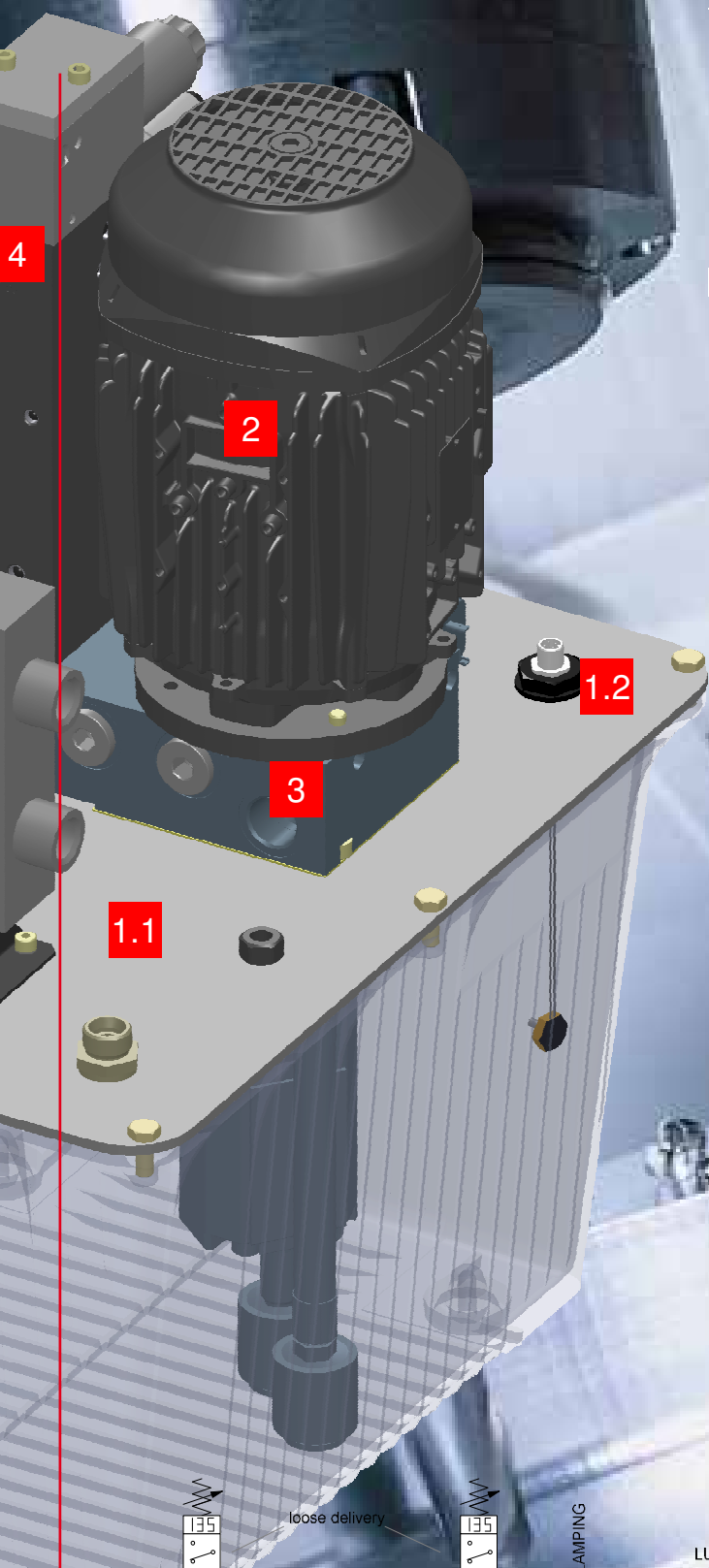
Flow rate		Pole no. Motor	V _s Pump [ccm/U]	Motor capacity at 3~ 50 Hz 230/400 V (Motor also suitable for 3~ 60 Hz) 257/480 V						Code 03	Rate code 63 **1~ 50 Hz/230V
50 Hz [l/min]	60 Hz [l/min]			0,37 kW [bar]	0,55 kW [bar]	0,75 kW [bar]	1,1 kW [bar]	1,5 kW [bar]	2,2 kW [bar]		
1.3	1.6	4	1.0	215	250						250
2.4	2.9	4	2.0	110	170	235	250				250
3.7	4.4	4	2.65	75	115	155	230	250			230
5.0	6.0	4	3.75	50	85	115	170	230	250		180
6.3	7.6	4	4.75	40	70	90	140	185	250		140
7.4	8.9	2	2.65						230	250	
8.6	10.3	4	* 6.3	30	50	65	100	130	200		100
10.0	12.0	2	3.75						165	230	
12.6	15.1	2	4.75						135	185	
13.3	16.0	4	* 10.0		30	40	60	85	120		65
17.3	20.7	2	* 6.3						95	130	
20.0		2	* 8.0						80	110	
4-pole motor low noise											

Tandem pumps for choice Bg1

Flow rate 14 up to 56 l/min, S6

Type: Z18.3-40 / Z5.0-100 (Typedefinition: Q1+Q2-p12 / Q2-p2)





3

3. Flange control

Compact control which covers the hydraulic basic functions and the supply of the modular stacking system

Flange choice single pump Bg1

See brochure CO1 Nr. 5.306.0

Flange choice tandem pump Bg 1

Currently 1 flange available

Type: F1-40-50-V

4

4. Modular stacking system

Function modules for the enlargement of the flange control – connection via adaptor-manifold to flange.

4.1 at single pump Bg1

Controls see brochure Stacking systems No. 5.308.0

4.2 at tandem pump Bg1

Stacking systems hole pattern ML plus (MLp)

All relevant functions for the turning machine on the basis of the ML-stacking system (see brochure stacking system 5.308.0)

Functions: e.g. workpiece clamping, Option Differential pressure, tail stock actuation (with rapid feed), steady rest actuation, tailstock- / spindle clamping, lubrication



5

5. Return filter

Reliable filtration concept for the operating fluid.

Type	Annotation
RF 60-10- B	Return filter

6

6. Coolers

To guarantee the thermal stability of the system.

The layout of the cooler is done in dependency of the motor capacity and the flow rate. In general the water cooler is more powerful and will be used if cooling water is available at place.

Type	Annotation	Cooling capacity (W / °C)
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ELC0	Aircooler
KW 10	Watercooler

8. Optional equipment

E.g. oil collecting pan, etc.

On request

E 5.310.0/12.10