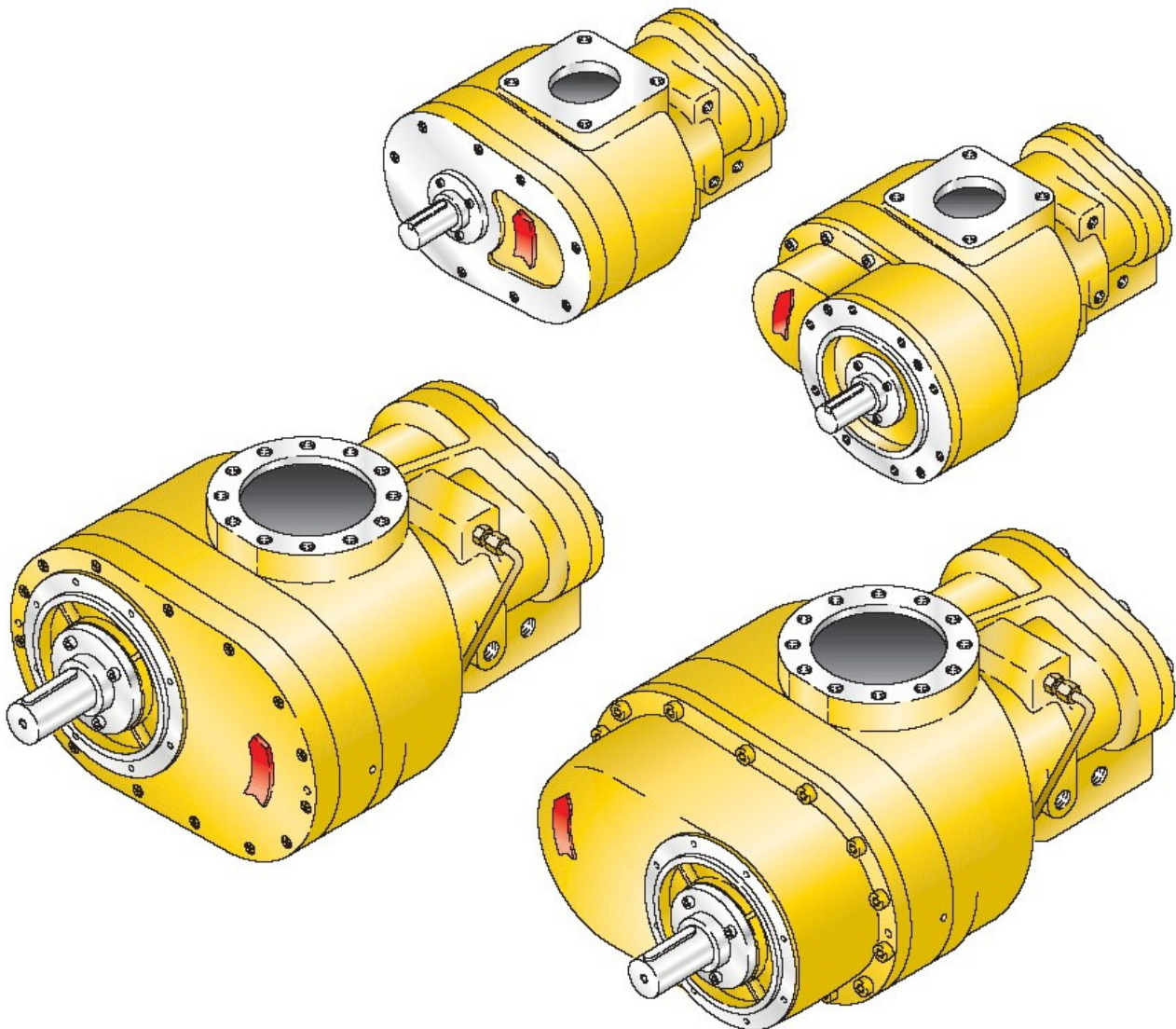


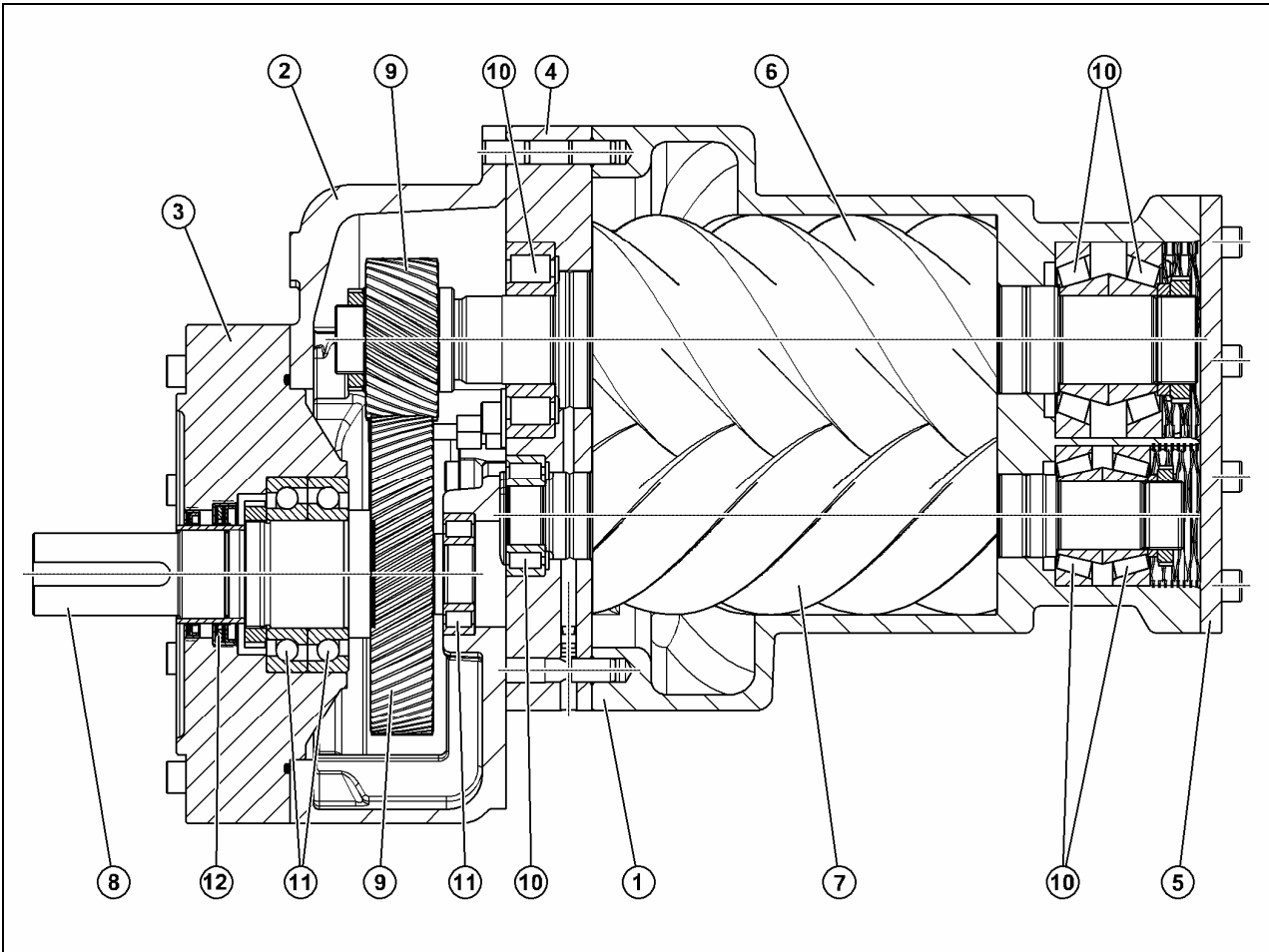
Screw Compressor with Oil Injection

## Series CF (excluding encapsulated screw compressors)



## 3 Description of product and accessories

### 3.1 Main assemblies of the compressor



### Sectional drawing of a screw compressor as an example

#### Main components:

- 1 Rotor casing
- 2 Gear casing
- 3 Gear case cover
- 4 Bearing casing
- 5 Cover
- 6 + 7 Rotor pairs (Male + Female)
- 8 + 9 Set of wheels (driving wheel with shaft + pinion)

#### Rotors:

- 10 Rotor bearing
- 11 Drive shaft bearing

#### Seals:

- 12 Shaft seal

## 8 Annex I Technical data

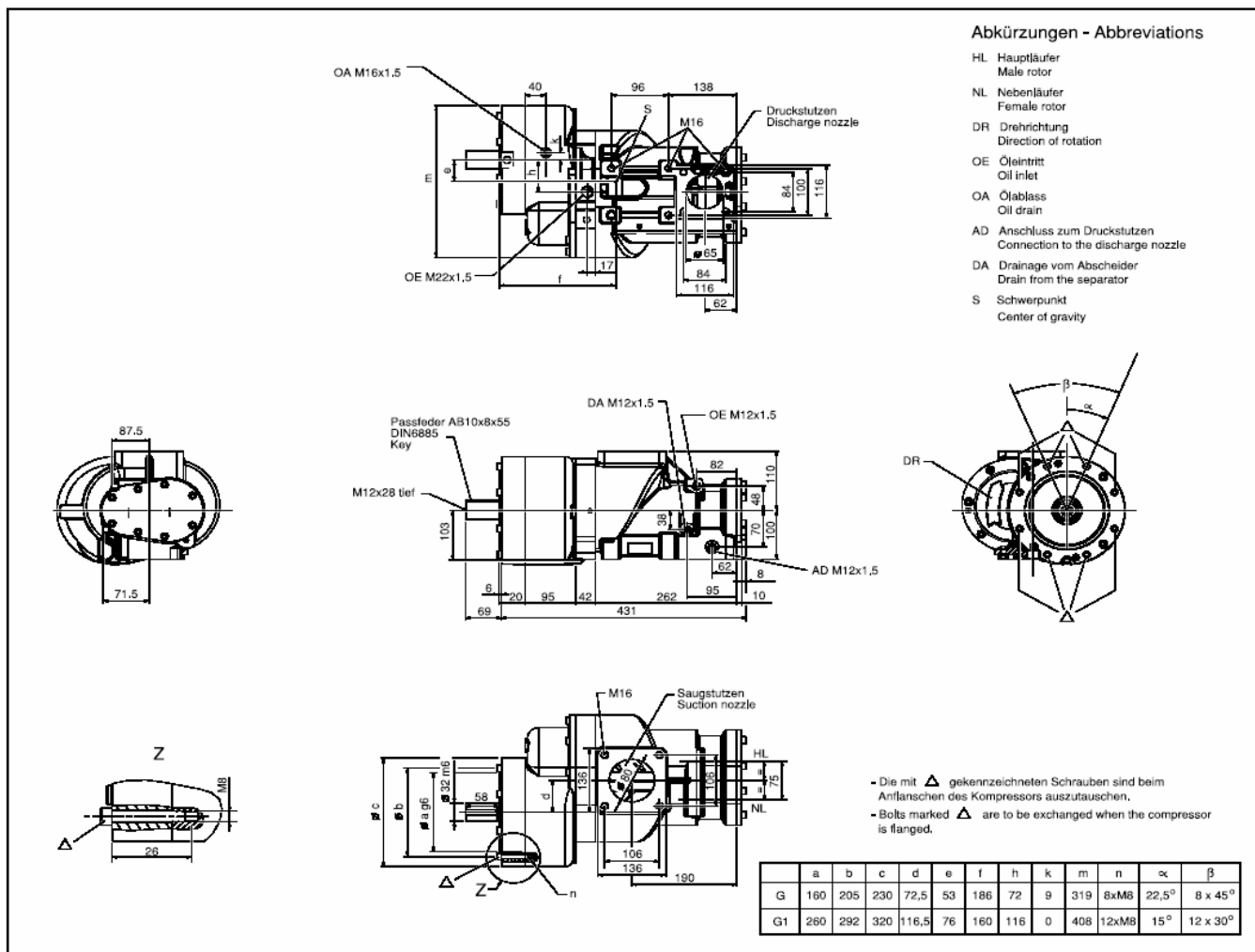
### Note

Installation drawing and 3D-files separately available. Current versions available upon request.

### CF75G Technical data (Page 1 of 3)

**Dimensions:** 510 mm x 319 mm x 225 mm (LxWxH)

**Weight:** 70 kg



### Permissible areas of operation:

	min	max
Speed of male rotor	1787 1/min	8935 1/min
Suction pressure	0.62 bar(abs)	atmospheric pressure
Discharge pressure	6 bar(abs) *	16 bar(abs)
Discharge temperature		110°C
Gear ratio	1.0984	3.2667

\* without additional oil pump

## CF75G Technical data (Page 2 of 3)

### Chart Product Code:

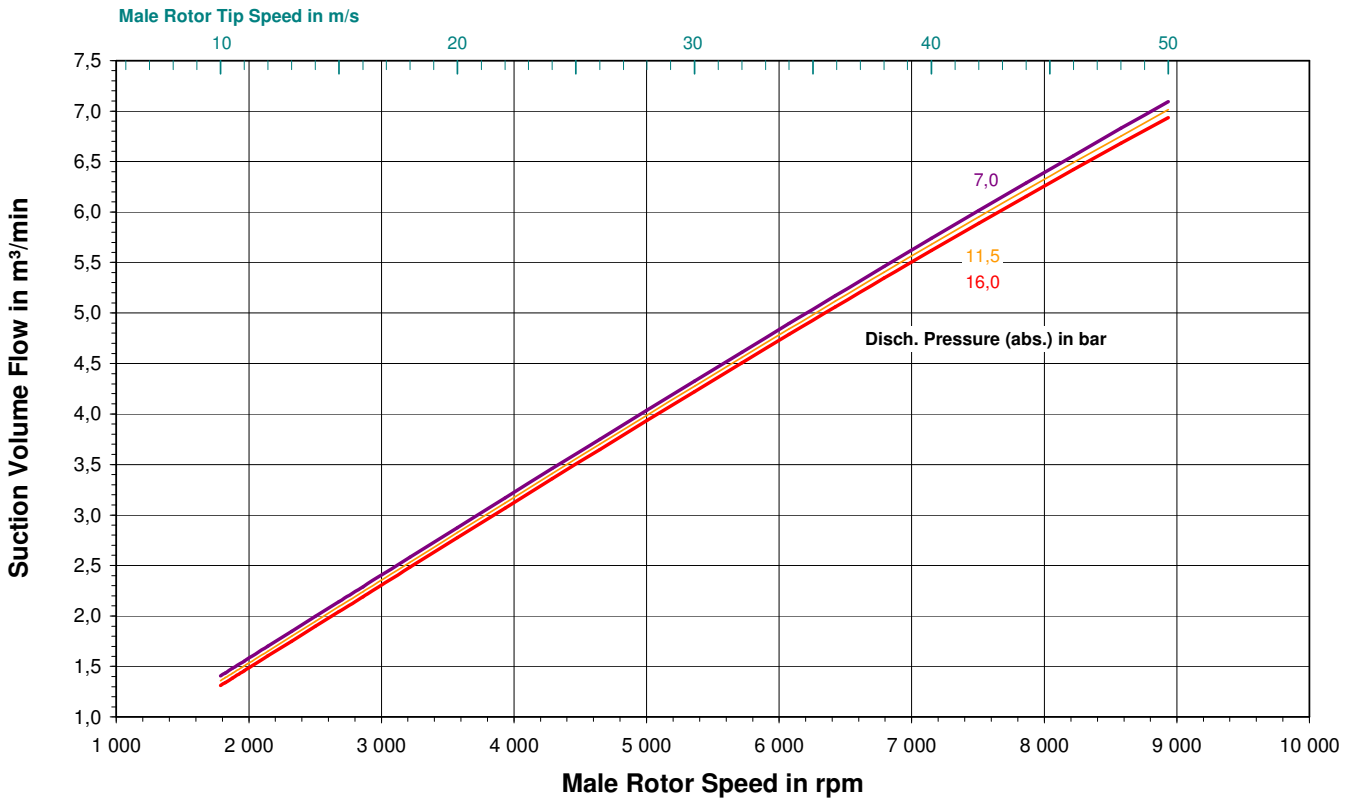
(Standard Gear Ratio shaded)

Product Code	Gear Ratio
<b>HAA</b>	<b>3,2667</b>
HAB	3,1290
<b>HAC</b>	<b>3,0000</b>
HAD	2,8788
<b>HAE</b>	<b>2,7647</b>
HAF	2,6571
<b>HAG</b>	<b>2,5556</b>
<b>HAH</b>	<b>2,4595</b>
HAI	2,3684
HAK	2,2821
<b>HAL</b>	<b>2,2000</b>
HAM	2,1220
HAN	2,0476
HAP	1,9767
HAQ	1,9091
HAR	1,8444
HAS	1,7826
HAT	1,7234
HAU	1,6667
HAV	1,6122
HAW	1,5600
HAX	1,5098
HAY	1,4615
HAZ	1,4151
HBA	1,3704
HBB	1,3273
HBC	1,2857
HBD	1,2456
HBE	1,2069
HBF	1,1695
HBG	1,1333
HBH	1,0984

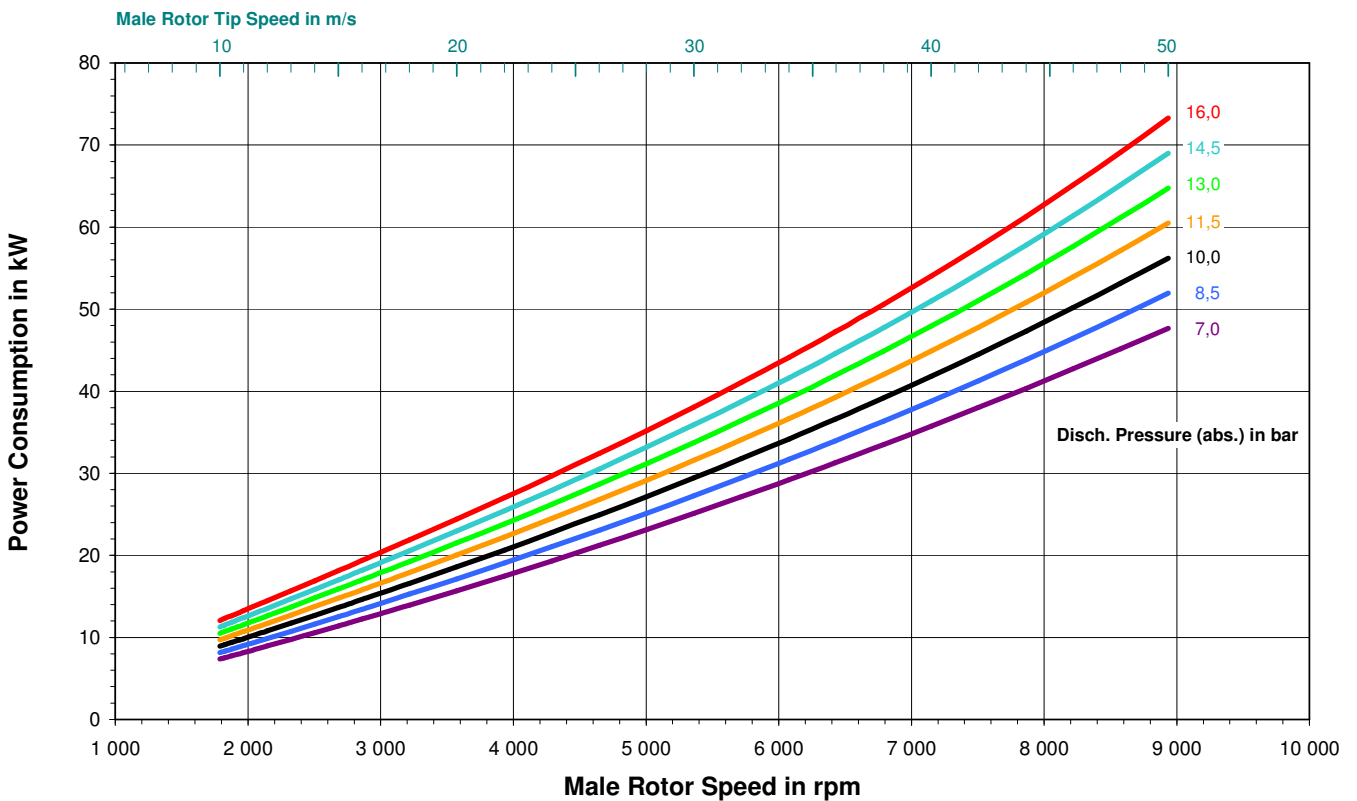
## CF75G Technical data (Page 3 of 3)

### Performance Predictions:

Medium: Air, rel. humidity 60 %; suction press. (abs.): 1 bar; suction temp.: 20 °C; disch. temp.: 80 °C; oil quality: ISO VG46



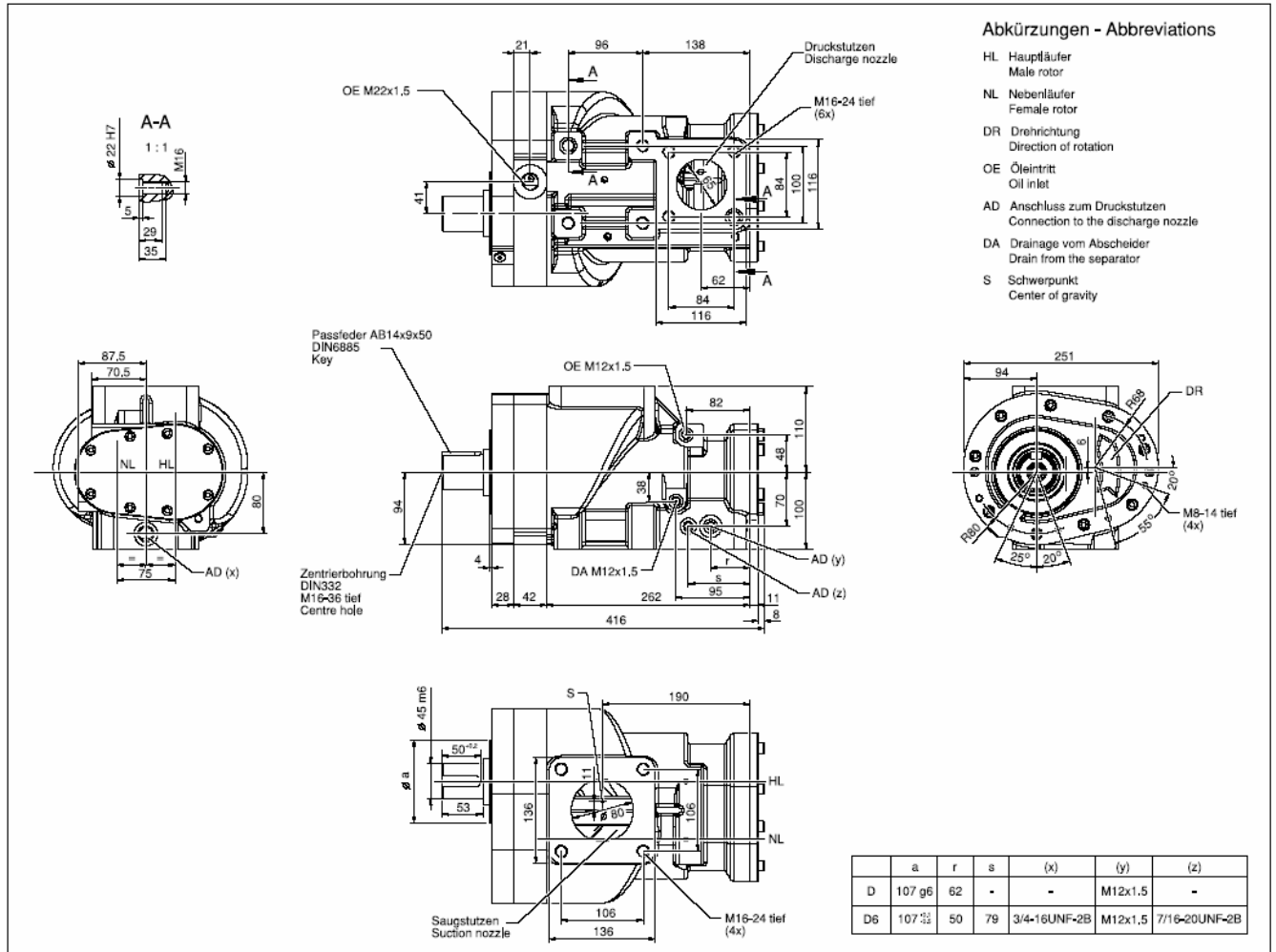
Medium: Air, rel. humidity 60 %; suction press. (abs.): 1 bar; suction temp.: 20 °C; disch. temp.: 80 °C; oil quality: ISO VG46



## CF75D6/D8 Technical data (Page 1 of 2)

**Dimensions:** 416 mm x 251 mm x 210 mm (LxWxH)

**Weight:** 58 kg



### Permissible areas of operation:

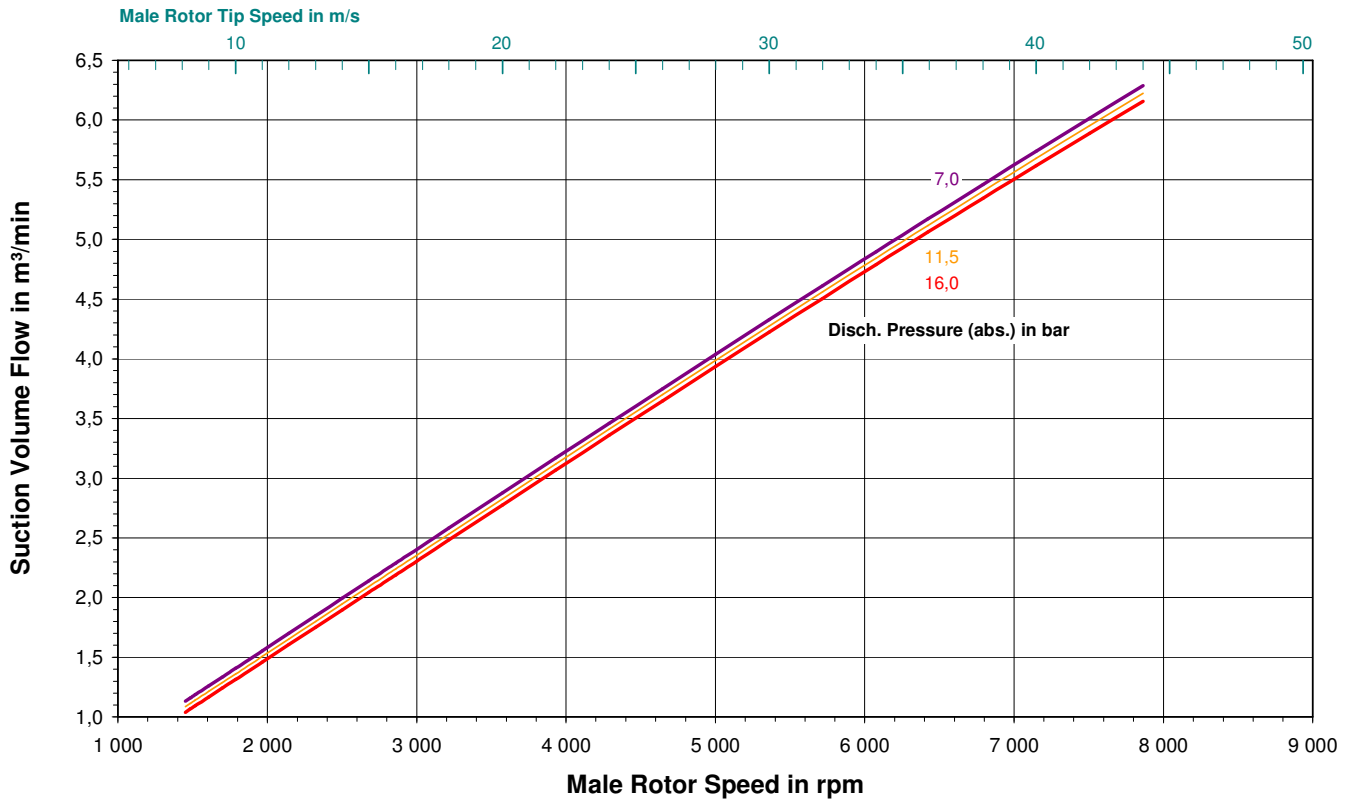
	min	max
Speed of male rotor	1450 1/min	8935 1/min
Suction pressure	0,62 bar(abs)	atmospheric pressure
Discharge pressure	6 bar(abs) *	16 bar(abs)
Discharge temperature		110 °C
Belt drive permitted	YES	

\* without additional oil pump

## CF75D6/D8 Technical data (Page 2 of 2)

### Performance predictions:

Medium: Air, rel. humidity 60 %; suction press. (abs.): 1 bar; suction temp.: 20 °C; disch. temp.: 80 °C; oil quality: ISO VG46



Medium: Air, rel. humidity 60 %; suction press. (abs.): 1 bar; suction temp.: 20 °C; disch. temp.: 80 °C; oil quality: ISO VG46

