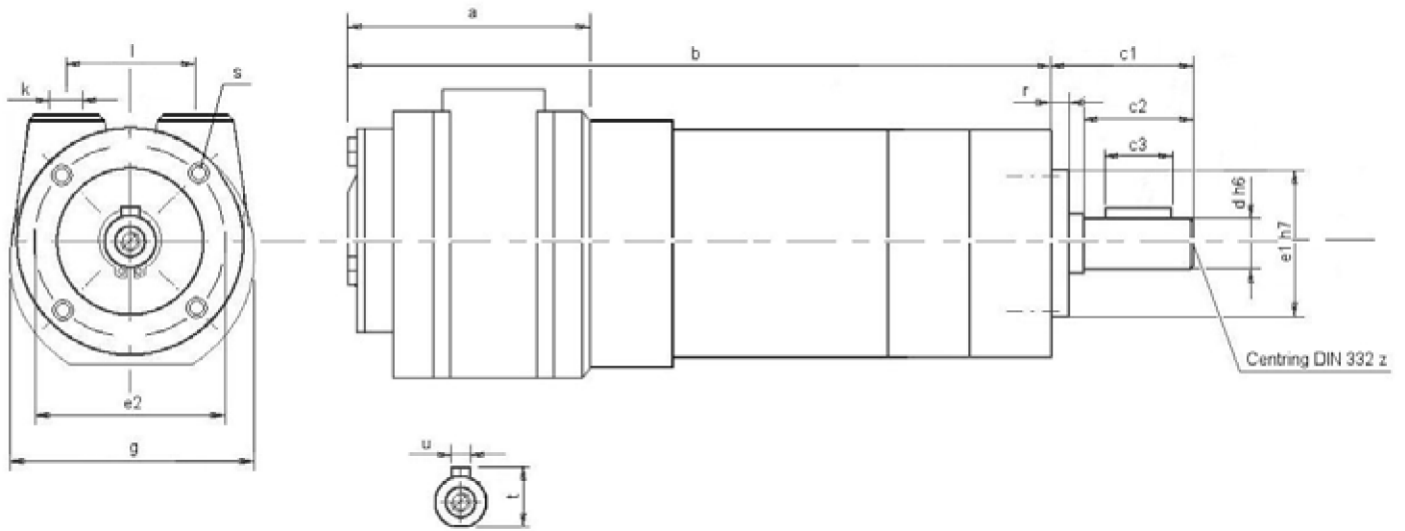
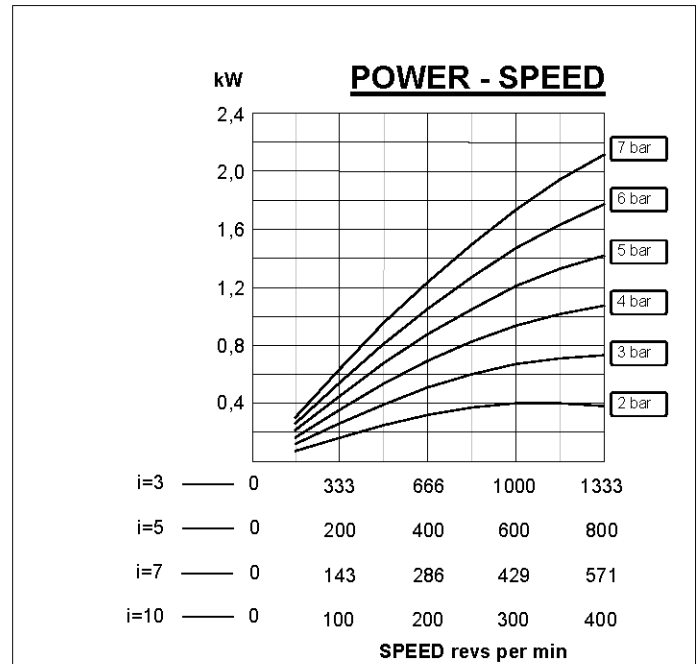
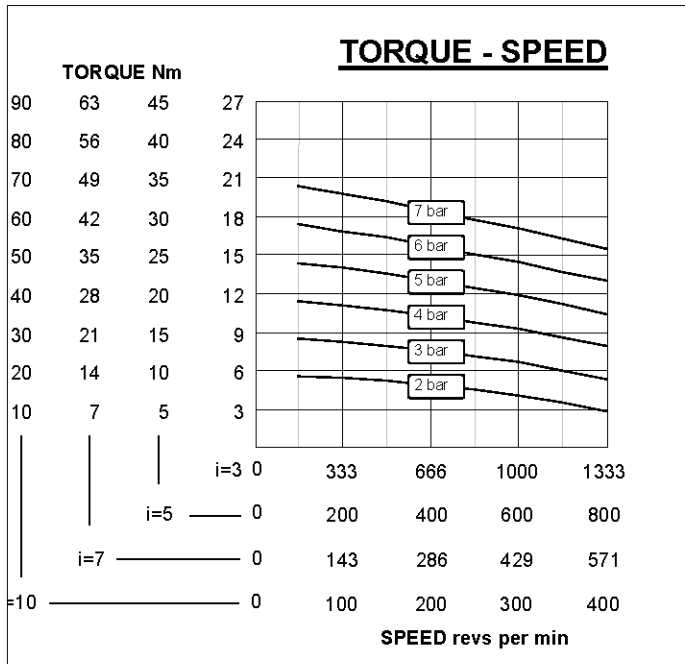


GLOBE VANE VA4 AIRMOTORS WITH PLANETARY GEARBOX

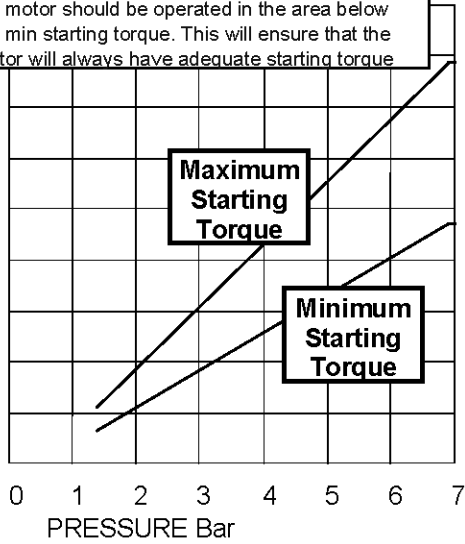


Motor	l	a	b	c1	c2	c3	d	e1	e2	f	g	k	l	r	s	t	u	v	w	z
VA4PFG03	3 5 7 10	89	213	49	40	32	20h6	55h7	70	85	102	½"NPT	55	8	M6x12	22,5	6	8,3	6	DM6
VA4PFG04	16 20	89	244	49	40	32	20h6	55h7	70	85	102	½"NPT	55	8	M6x12	22,5	6	8,3	6	DM6
VA4PFG06	20 28 40	89	271	61	50	40	25h6	80h7	100	120	102	½"NPT	55	10	M8x16	28,0	8	4,3	6	DM10
VA4PFG07 On request	50 70	89	309	95	80	70	40h6	110h7	130	150	102	½"NPT	55	14	M10x20	43,0	12	4,3	6	DM16



TORQUE - PRESSURE

When designing for applications where the minimum start torque requirement is equal to the running torque (as for example on hoists), the motor should be operated in the area below the min starting torque. This will ensure that the motor will always have adequate starting torque.



STARTING TORQUE will vary between the minimum and maximum levels shown. The actual starting torque will depend on the air inlet pressure and the motor crank position.

TORQUE Nm

90	63	45	27
80	56	40	24
70	49	35	21
60	42	30	18
50	35	25	15
40	28	20	12
30	21	15	9
20	14	10	6
10	7	5	3
i=10	i=7	i=5	i=3

Muffler supplied with motor.

Motor is reversible.

ATTITUDE

The motor can be operated in all positions.

Maximum temperature +20°C to +80°C
(-4°F to -176°F).

Maximum radial load: 1770 N

Maximum axial load: 2180 N

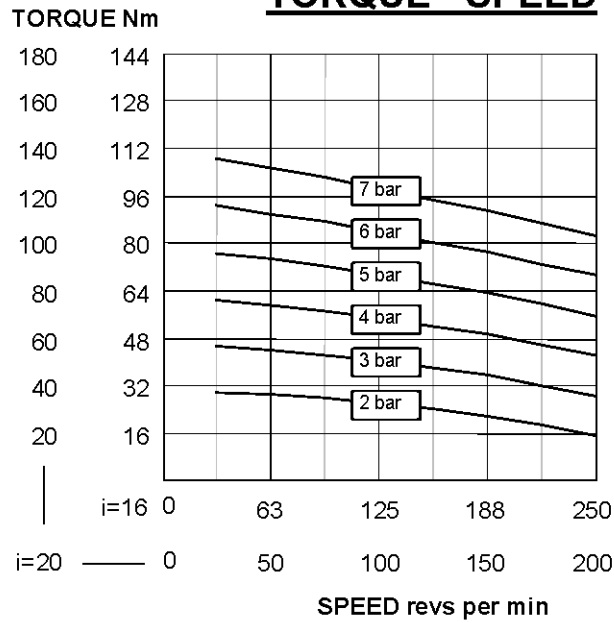
AIRLINE FILTRATION AND LUBRICATION

Use 64 micron filtration or better. Choose a lubricator suitable for the flow required. Prior to initial start-up, inject oil into the inlet port.

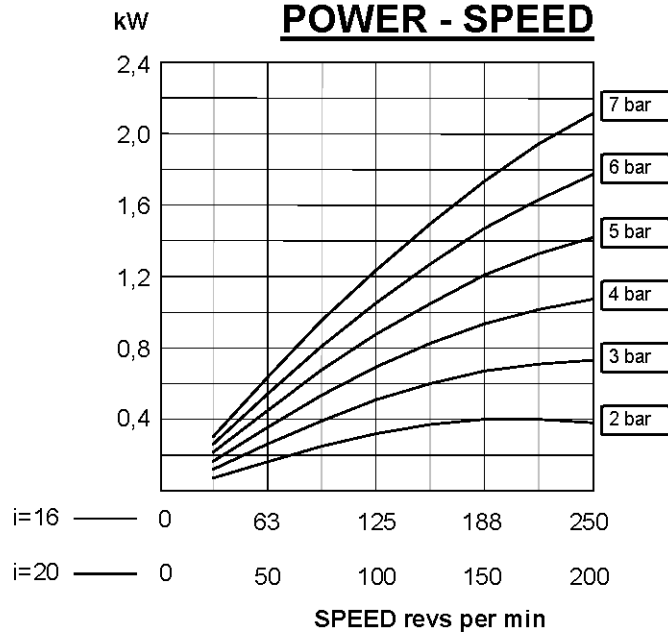
Lubricator drop rate 4-5 drops/minute continuous operation

Lubricator drop rate 9-12 drops/minute intermittent operation

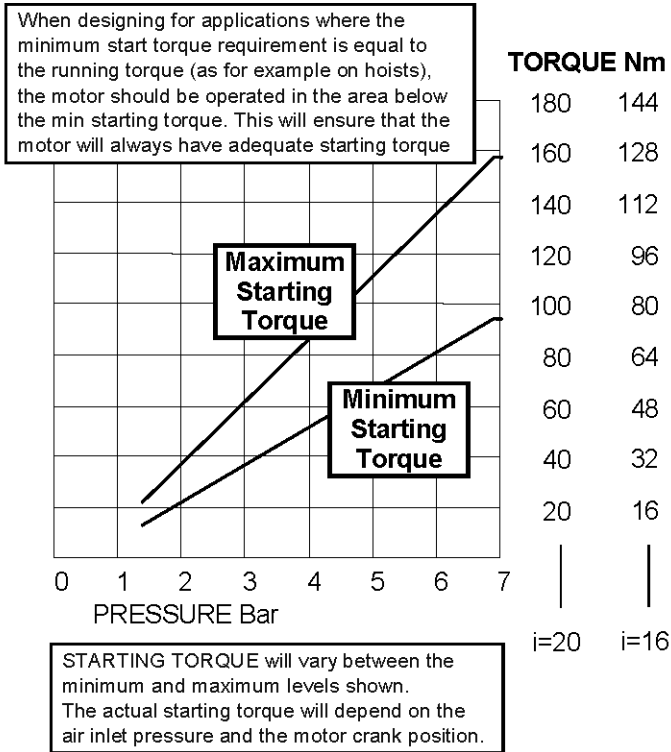
TORQUE - SPEED



POWER - SPEED



TORQUE - PRESSURE



Muffler supplied with motor.

Motor is reversible.

ATTITUDE

The motor can be operated in all positions.

Maximum temperature +20°C to +80°C
(-4°F to +176°F).

Maximum radial load: 1770 N

Maximum axial load: 2180 N

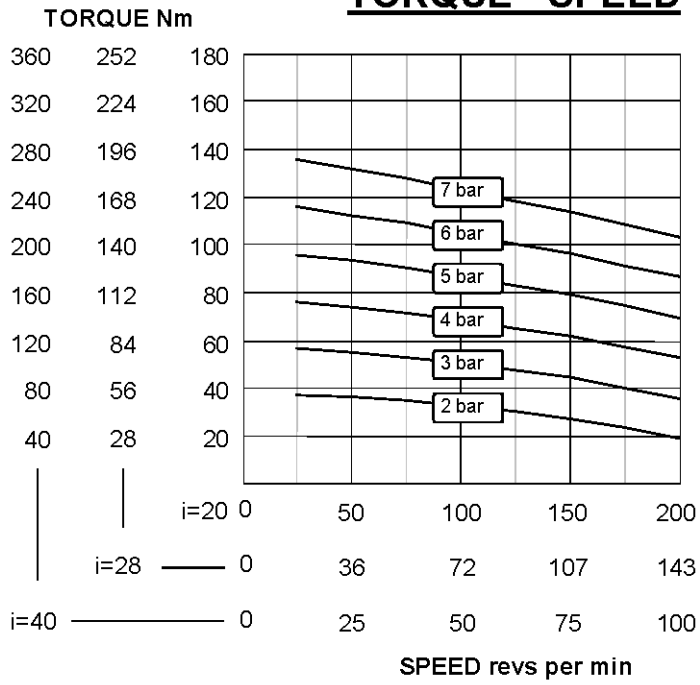
AIRLINE FILTRATION AND LUBRICATION

Use 64 micron filtration or better. Choose a lubricator suitable for the flow required. Prior to initial start-up, inject oil into the inlet port.

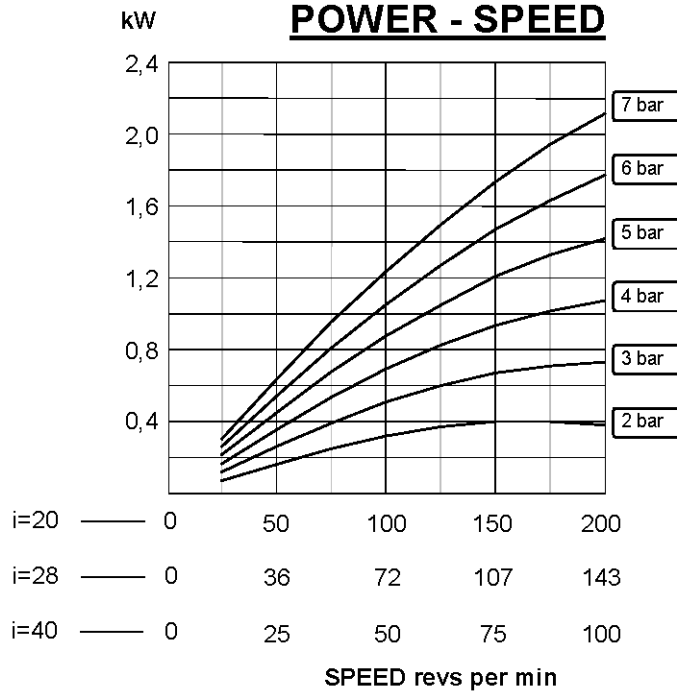
Lubricator drop rate 4-5 drops/minute continuous operation

Lubricator drop rate 9-12 drops/minute intermittent operation

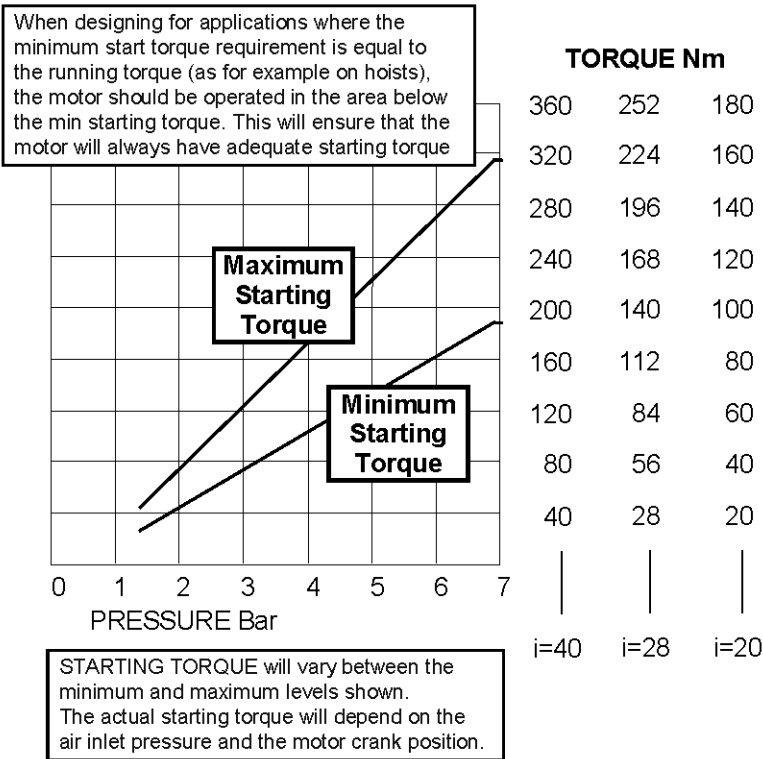
TORQUE - SPEED



POWER - SPEED



TORQUE - PRESSURE



Muffler supplied with motor.

Motor is reversible.

ATTITUDE

The motor can be operated in all positions.

Maximum temperature +20°C to +80°C
(-4°F to -176°F).

Maximum radial load: 3000 N

Maximum axial load: 3730 N

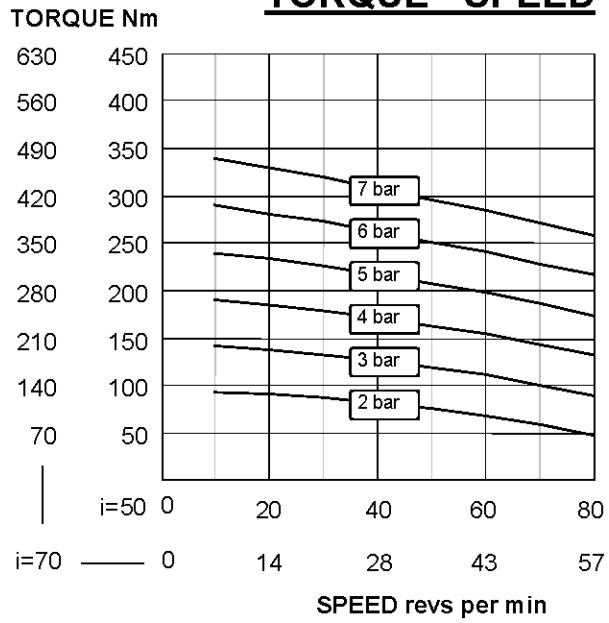
AIRLINE FILTRATION AND LUBRICATION

Use 64 micron filtration or better. Choose a lubricator suitable for the flow required. Prior to initial start-up, inject oil into the inlet port.

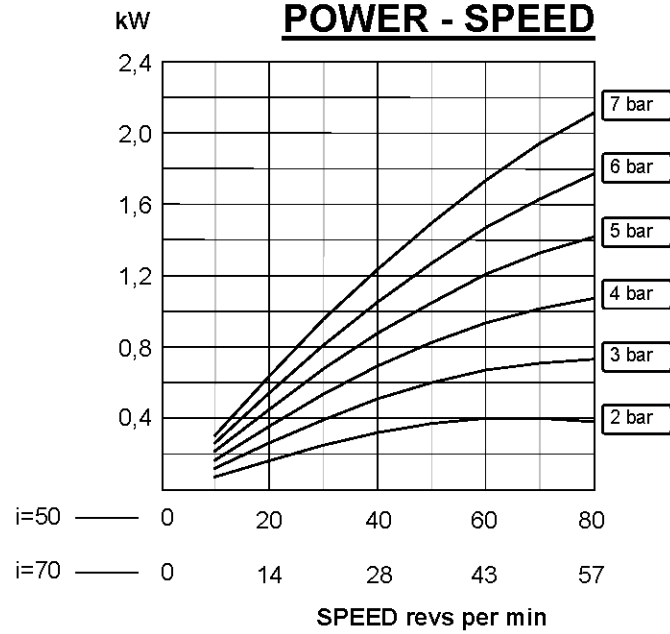
Lubricator drop rate 4-5 drops/minute continuous operation

Lubricator drop rate 9-12 drops/minute intermittent operation

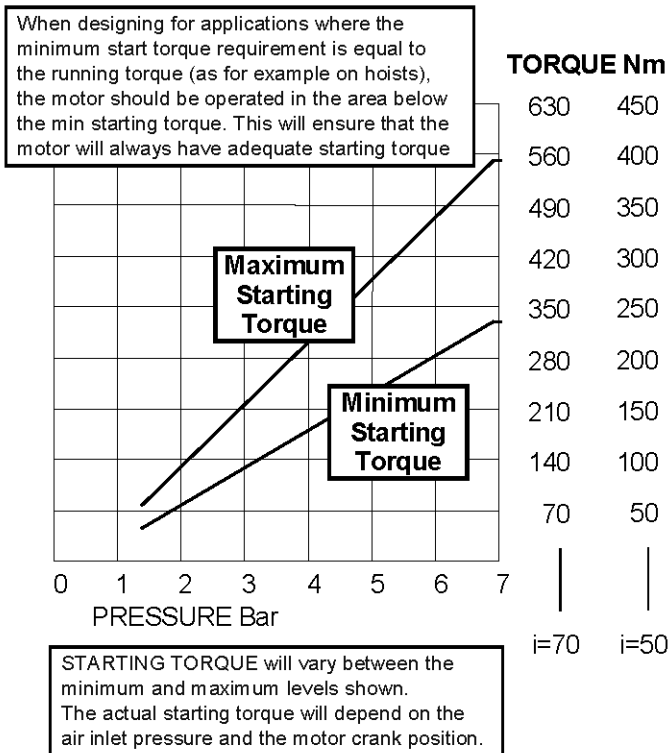
TORQUE - SPEED



POWER - SPEED



TORQUE - PRESSURE



Muffler supplied with motor.

Motor is reversible.

ATTITUDE

The motor can be operated in all positions.

Maximum temperature +20°C to +80°C
(-4°F to +176°F).

Maximum radial load: 6770 N

Maximum axial load: 7730 N

AIRLINE FILTRATION AND LUBRICATION

Use 64 micron filtration or better. Choose a lubricator suitable for the flow required. Prior to initial start-up, inject oil into the inlet port.

Lubricator drop rate 4-5 drops/minute continuous operation

Lubricator drop rate 9-12 drops/minute intermittent operation