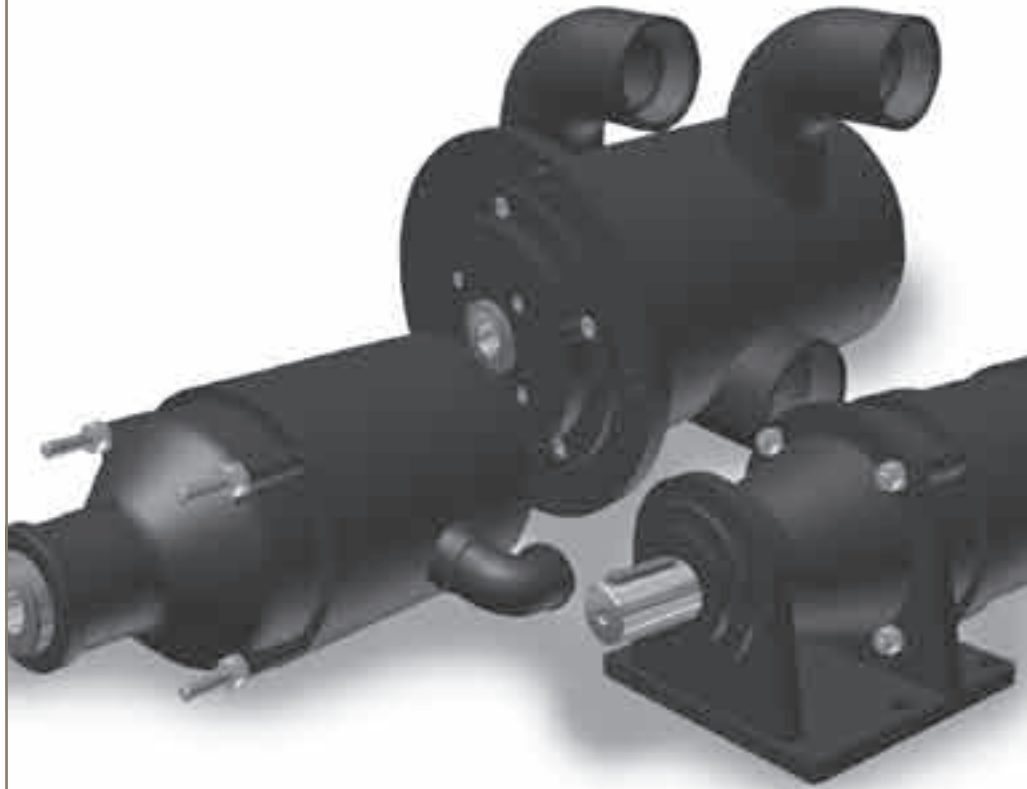




aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
**pneumatics**  
process control  
sealing & shielding



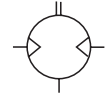
# Large Air Motors

Series P1V-B



ENGINEERING YOUR SUCCESS.

Note: All technical data is based on a working pressure of 6 bar.



## Large Air Motors

These large motors are designed for use in the most arduous applications, requiring considerable power, torque, robustness and reliability

### Data for reversible air motor

Max power	Free speed	Speed at max power	Torque at max power	Min start torque	Air consumption at max power	Conn.	Min pipe ID	Weight	Order code
kW	rpm	rpm	Nm	Nm	l/s		mm	Kg	
5,1	600	300	160	240	103	G1	25	30	<b>P1V-B510A0060</b>
9	1600	800	107	160	167	G1	25	36	<b>P1V-B900B0160</b>
9	800	400	215	320	167	G1	25	36	<b>P1V-B900B0080</b>
18	6000	3000	57	85	334	G2	43	53	<b>P1V-BJ00C0600</b>

### Technical data:

Working pressure Max 7 bar  
 Working temperature -30 °C to +100 °C  
 Medium Filtered dry air and oil mist, purity class ISO 8573-1 class 3.-.5 for indoor use and with a dew point lower than ambient temperature for outdoor use

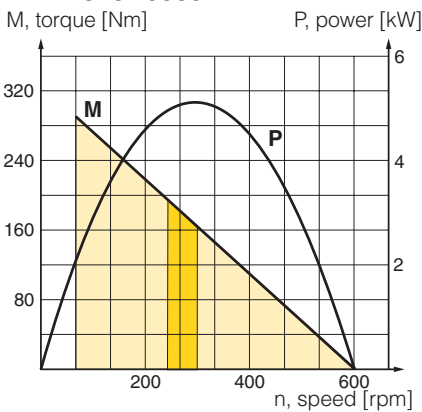
### Material specification

Motor housing Painted steel  
 Output shaft Hardened steel

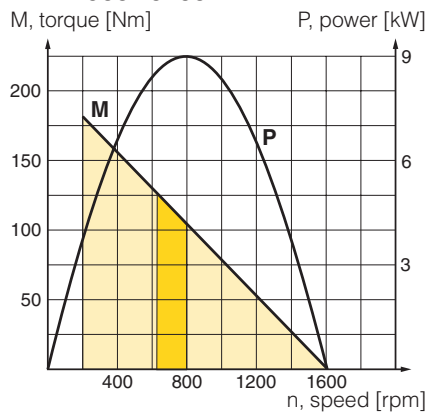
Table and diagram data

All values are typical values, with a tolerance of +/- 10%

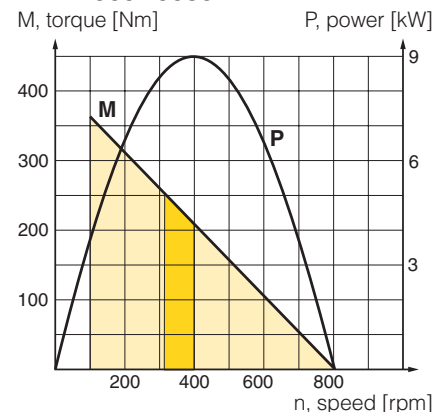
#### P1V-B510A0060



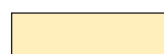
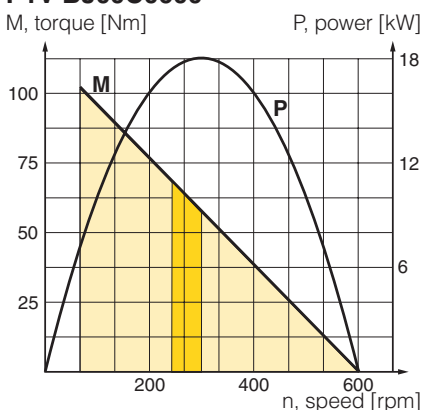
#### P1V-B900B0160



#### P1V-B900B0080



#### P1V-BJ00C0600



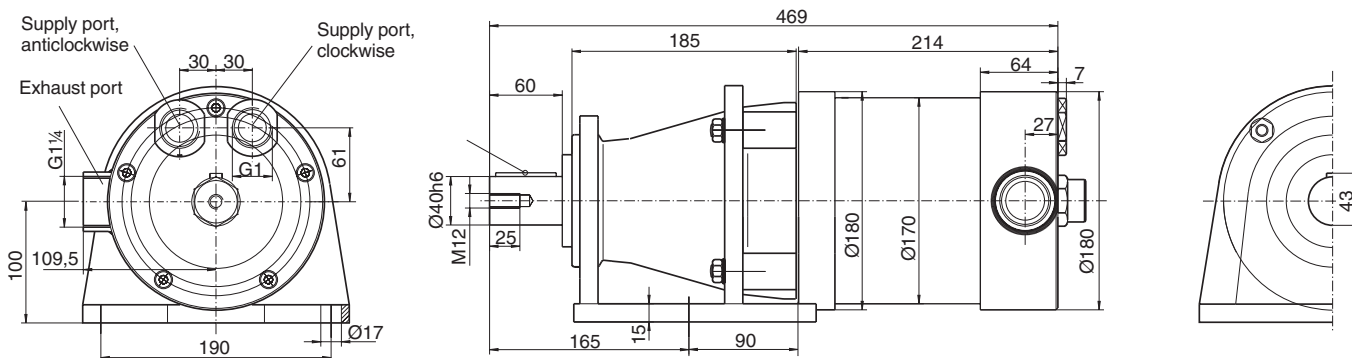
Possible working range of motor.



Optimum working range of motor.

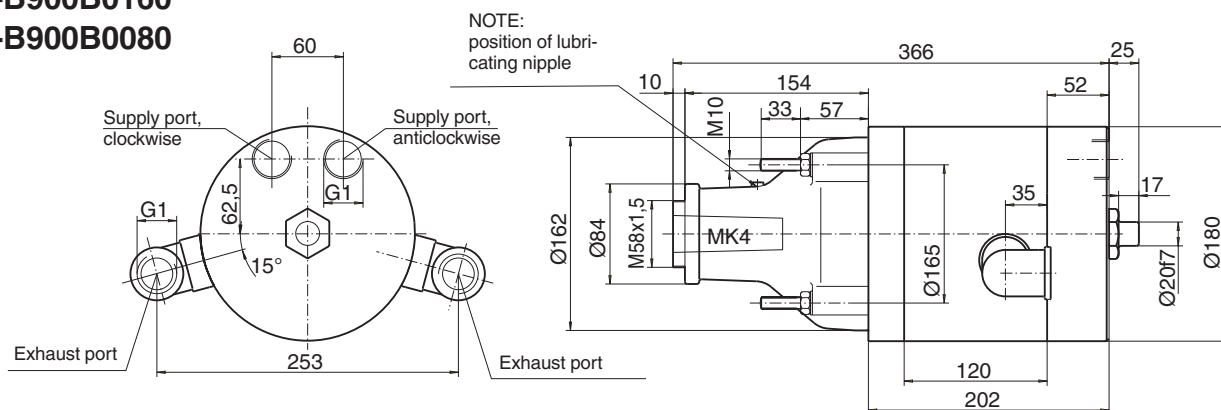
Higher speeds = more vane wear  
 Lower speeds with high torque = more gearbox wear

## P1V-B510A0060

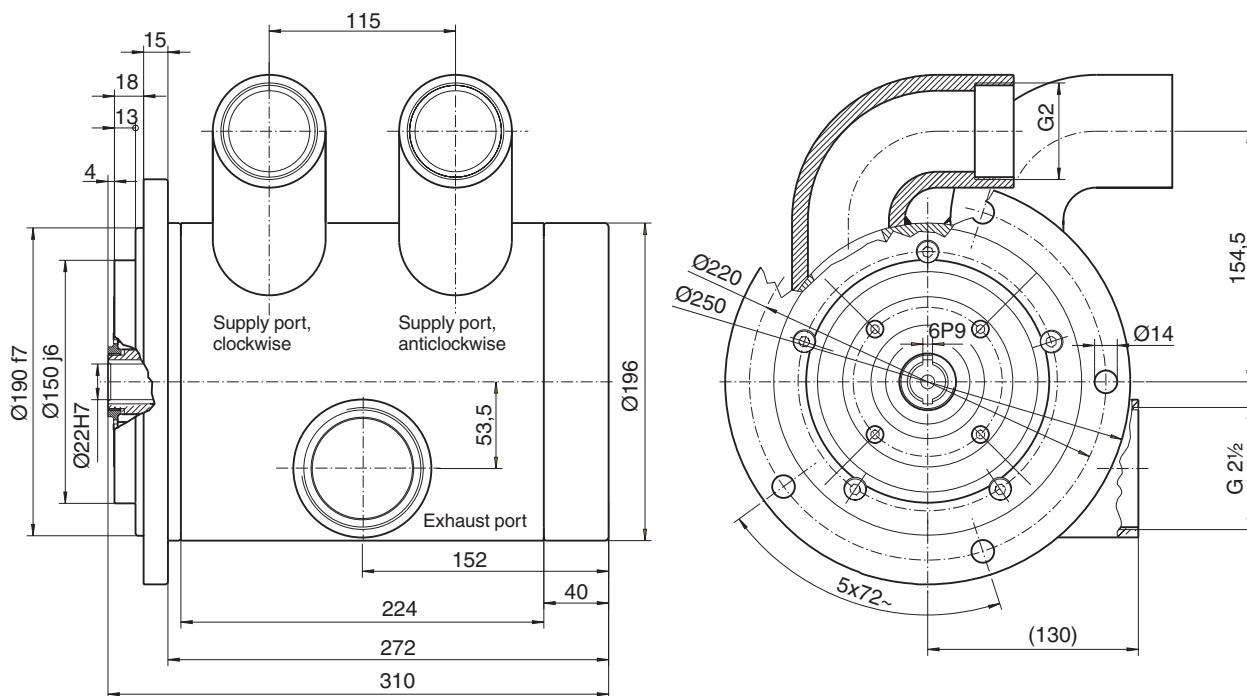


## P1V-B900B0160

## P1V-B900B0080



## P1V-BJ00C0600



# Sales Offices

**AE – United Arab Emirates,**  
Abu Dhabi  
Tel: +971 2 67 88 587

**AR – Argentina,** Buenos Aires  
Tel: +54 3327 44 4129

**AT – Austria,** Wiener Neustadt  
Tel: +43 (0)2622 23501-0

**AT – Austria,** Wiener Neustadt  
(Eastern Europe)  
Tel: +43 (0)2622 23501 970

**AU – Australia,** Castle Hill  
Tel: +61 (0)2-9634 7777

**AZ – Azerbaijan,** Baku  
Tel: +994 50 2233 458

**BE – Belgium,** Nivelles  
Tel: +32 (0)67 280 900

**BR – Brazil,** Cachoeirinha RS  
Tel: +55 51 3470 9144

**BY – Belarus,** Minsk  
Tel: +375 17 209 9399

**CA – Canada,** Milton, Ontario  
Tel: +1 905 693 3000

**CH – Switzerland**  
See Germany

**CN – China,** Shanghai  
Tel: +86 21 5031 2525

**CN – China,** Beijing  
Tel: +86 10 6561 0520

**CZ – Czech Republic,** Klecany  
Tel: +420 284 083 111

**DE – Germany,** Kaarst  
Tel: +49 (0)2131 4016 0

**DK – Denmark,** Ballerup  
Tel: +45 43 56 04 00

**ES – Spain,** Madrid  
Tel: +34 902 33 00 01

**FI – Finland,** Vantaa  
Tel: +358 (0)20 753 2500

**FR – France,**  
Contamine-sur-Arve  
Tel: +33 (0)4 50 25 80 25

**GR – Greece,** Athens  
Tel: +30 210 933 6450

**HK – Hong Kong**  
Tel: +852 2428 8008

**HU – Hungary,** Budapest  
Tel: +36 1 220 4155

**IE – Ireland,** Dublin  
Tel: +353 (0)1 466 6370

**IN – India,** Mumbai  
Tel: +91 22 6513 7081-85

**IT – Italy,** Corsico (MI)  
Tel: +39 02 45 19 21

**JP – Japan,** Fujisawa  
Tel: +(81) 4 6635 3050

**KR – South Korea,** Seoul  
Tel: +82 2 559 0400

**KZ – Kazakhstan,** Almaty  
Tel: +7 3272 505 800

**LV – Latvia,** Riga  
Tel: +371 74 52601

**MX – Mexico,** Apodaca  
Tel: +52 81 8156 6000

**MY – Malaysia,** Subang Jaya  
Tel: +60 3 5638 1476

**NL – The Netherlands,**  
Oldenzaal  
Tel: +31 (0)541 585 000

**NO – Norway,** Ski  
Tel: +47 64 91 10 00

**NZ – New Zealand,** Mt Wellington  
Tel: +64 9 574 1744

**PL – Poland,** Warsaw  
Tel: +48 (0)22 573 24 00

**PT – Portugal,** Leca  
da Palmeira  
Tel: +351 22 999 7360

**RO – Romania,** Bucharest  
Tel: +40 21 252 1382

**RU – Russia,** Moscow  
Tel: +7 495 645-2156

**SE – Sweden,** Spånga  
Tel: +46 (0)8 59 79 50 00

**SG – Singapore**  
Tel: +65 6887 6300

**SL – Slovenia,** Novo Mesto  
Tel: +386 7 337 6650

**SK – Slovakia**  
See Czech Republic

**TH – Thailand,** Bangkok  
Tel: +662 717 8140

**TR – Turkey,** Merter/Istanbul  
Tel: +90 212 482 91 06 or 07

**TW – Taiwan,** Taipei  
Tel: +886 2 2298 8987

**UA – Ukraine,** Kyiv  
Tel +380 44 494 2731

**UK – United Kingdom,**  
Warwick  
Tel: +44 (0)1926 317 878

**US – USA,** Cleveland  
Tel: +1 216 896 3000

**US – USA,** Miami  
(Pan American Division)  
Tel: +1 305 470 8800

**VE – Venezuela,** Caracas  
Tel: +58 212 238 5422

**ZA – South Africa,**  
Kempton Park  
Tel: +27 (0)11 961 0700