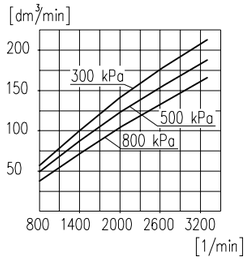
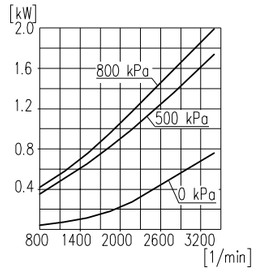
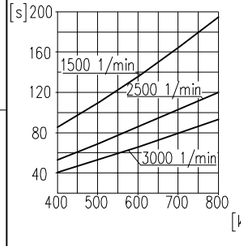
Suction capacity



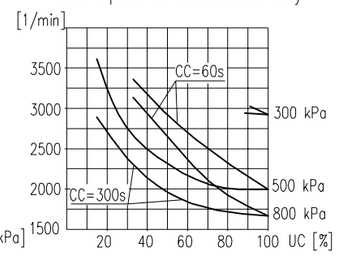
Power consumption



Time to fill a tank of 40dm³ capacity



Max. r.p.m. for continuous duty



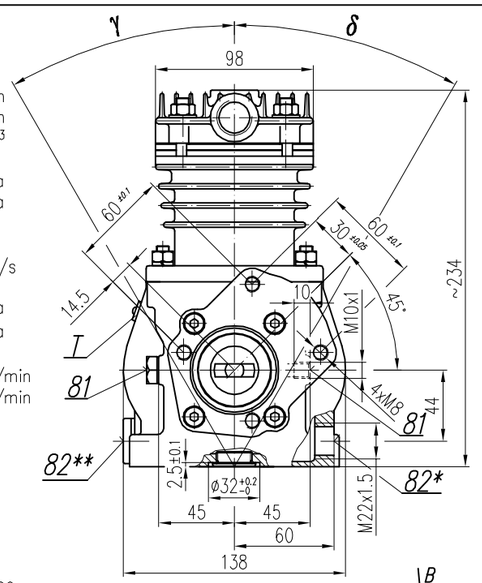
TECHNICAL DATA:

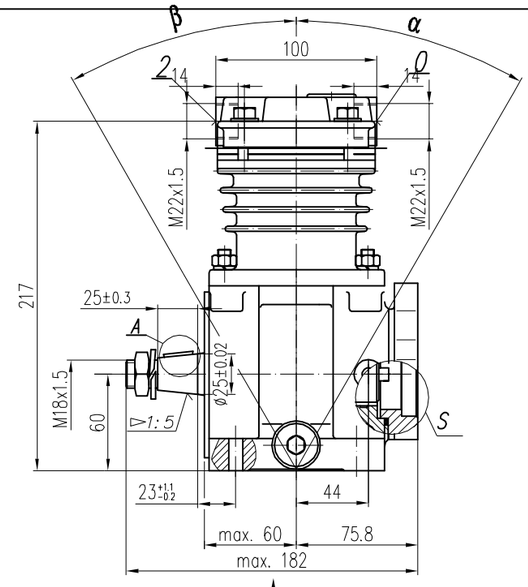
Number of cylinders	1	
Cylinder diameter	60	mm
Piston stroke	36	mm
Total piston displacement	100	cm^3
Mass	8,4	kg
Working pressure	800	kPa
Max. pressure for short time duty	1000	kPa
Max. allowable temp. of compressed air	+220	°C
Cooling by inflation of, air with the speed of the stream min.	4	m/s
Lubrication forced circulation, splash lubrication min. pressure of oil	300±200	kPa
(The pressure drop down is allowed to min. during the idle running of the heated up engine)	60	kPa
Normal speed	max. 3000	1/min
Max. speed, temporary	3300	1/min

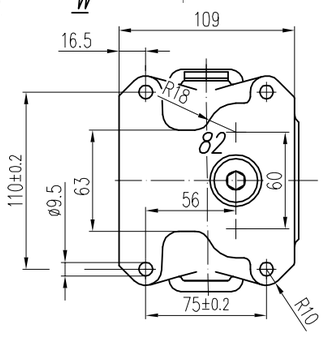
SYMBOLS DESCRIPTION:

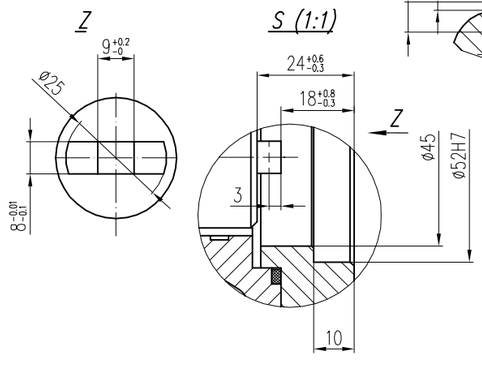
0–suction connection
2–discharge connection
81–lubricating oil inlet
82–lubricating oil outlet and crankcase breathing

Digital marking according to International Standard ISO–6786
*–max. angular tilt of the compressor
T–Datum plate
** – Stoped by plug
α, β, δ, γ– max. angular deflection of the compressor









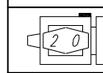
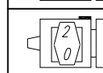
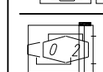
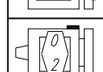
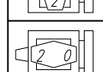
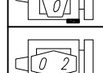
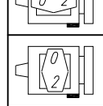
NOTE! The above characteristics are for open–inlet–valve control system at minimum cooling requirements and at ambient temperature +20°C

DEFINITIONS: CC=CT+CL – period of average operating cycle

$UC=\frac{CT}{CC}x100\%$ – percent ratio of compressor full load operating time in average operating cycle(also called percent duty cycle)

CL – compressor no–load operating time (exhaust to the atmosphere)

CT – compressor full load operating time

Compressor variants	
Scheme	Variant number
	601.35.961 601.35.971* 601.35.981**
	601.35.962 601.35.972* 601.35.982**
	601.35.963 601.35.973* 601.35.983**
	601.35.964 601.35.974* 601.35.984**
	601.35.965 601.35.975* 601.35.985**
	601.35.966 601.35.976* 601.35.986**
	601.35.967 601.35.977* 601.35.987**
	601.35.968 601.35.978* 601.35.988**

Description
2 Discharge port
0 Suction port
Oil inlet (81)

Variant nr without * – 82 at the bottom
Variant nr with * – 82 and 81 on the same side
Variant nr with **–82 and 81 on the oposite side

Numern	α	β	γ	δ
ohne Stern	20°	20°	30°	30°
Für 601.35.971÷974 und 601.35.965÷988	20°	20°	15°	45°
Für 601.35.981÷984 und 601.35.975÷978	20°	20°	45°	15°

GENERAL TOLERANCES						
CLASS	RANGE OF NOMINAL DIMENTIONS (±)MM				◁	FORCE, POWER PRESSURE ETC.
	≤50	>50 ≤180	>180 ≤400	≥400		
II	1.0	2.0	3.0	4.0	±3°	±10 %

OFFER DRAWING

Konstr.	K.Malinowski		25.02.2010
Normaliz.	A.Wolnicki		
Sprawdził	A.Wolnicki		
Zatwierdził	A.Wolnicki		
Podziałka	Nazwa		
1:2.5	Compressor 601.35.971		

FABRYKA OSPRZĘTU SAMOCHODOWEGO
POLMO–Łódź S.A.
FOS Służba Rozwoju