



### Application

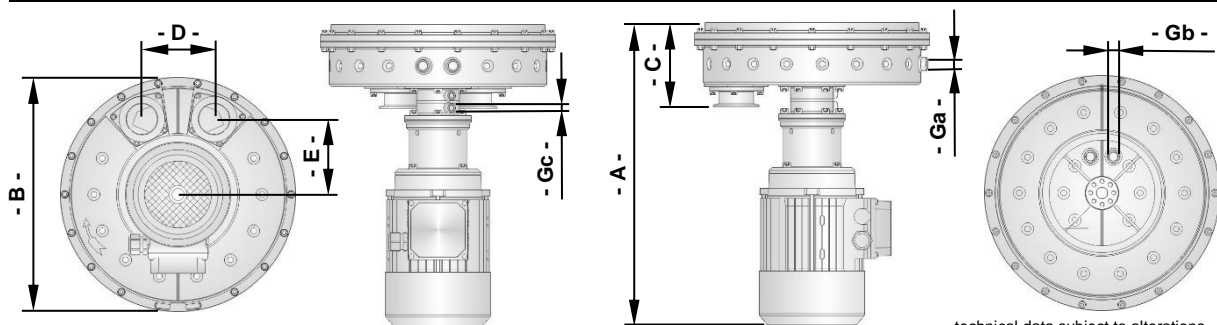
carrier-gas-drive for multi-phase flows with low solid-load in aerodynamic systems of continuous / semi-continuous processing preferably in vertical assembly:

- high capacity (volume-flow) at large pressure difference;
- separate cooling/heating circuits for turbine casing and bearing unit;
- complete unit gas- and vacuum tight, standard KF-flange-ports.



### technical data, dimensions

unit size	SKZ180a	SKZ300a	SKZ530a	SKZ710a	SKZ900a
Simoloyer® semi-continuous -s1	CM01-CM08	CM08-CM20	CM20-CM100	CM100-CM900	H2F2Go
Simoloyer® auto-batch -s2	CM01-CM20	CM20-CM100	CM100-CM400	CM400-CM900	
KF-ports	DN40-DN50	DN50-DN63	DN63-DN100	DN100	DN150
capacity (volume-flow)* [m³/h]	170	300	590	740	1100
pressure difference* [mbar]	150	260	260	270	325
power supply [V]	220/400				
drive power [kW]	1.5	3.0	5.5	7.5	14
rotational speed at 50 Hz*	2850 rpm				
unit length -A- [mm]	495	565	670	750	900
Casing width -B- [mm]	385	425	525	585	600
side length -C- [mm]	138	200	305	390	445
KF-distance -D- [mm]	118	135	161	215	334
KF-location -E- [mm]	124	150	201	215	224
cooling turbine G-a/b	2x G 3/8	2x G 1/2	2x G 3/4	2x G 3/4	2x G 1
cooling bearing G-c	G 1/8	G 1/4	G 3/8	G 3/8	G 1/2
thread circle [mm]	LK 38	LK 65	LK 80	LK 100	LK 125
connecting threads	8x M8	8x M10	8x M12	8x M16	8x M16
suspension	SKZ18a-M16	SKZ30a-M16	SKZ53a-M20	SKZ71a-M24	SKZ90a-M24
net weight [kg]	35	44	85	119	206
connector & material	standard-KF, aluminum (turbine) / stainless steel 1.4301 (bearing)				
definition example	turbine SKZ180a-DN50				



technical data subject to alterations