



Compact and userfriendly frequency converter to be used as starter and regulator for fans.

Used in connection with a differential pressure transmitter as constant pressure regulator to obtain constant vacuum through rotation regulation.

Gram Quickguide for PID-regulations are standard included to make it easy and quick to start.

Operation: Through digital display on converter front

Supply: 3 x 400 VAC  
(380 ~ 480 VAC +/-10%)  
3 phase + N + PE

Order no.	Normal operation [kW]	Max. Amp.	Type	With EMC net filter	Height [mm]	Width [mm]	Depth [mm]	Temperature [°C]	Max. freq.	Min. freq.	Protection rating standard
09 231 000	1.10	2.70	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 050	1.50	3.70	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 100	2.20	5.00	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 150	3.00	6.50	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 200	4.00	9.00	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 250	5.50	11.70	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 300	7.50	14.40	VLT FC102	Yes	420	242	200	-25 - +55	590	0	IP55
09 231 350	11.00	22.00	VLT FC102	Yes	480	242	260	-25 - +55	590	0	IP55
09 231 400	15.00	29.00	VLT FC102	Yes	480	242	260	-25 - +55	590	0	IP55
09 231 450	18.50	34.00	VLT FC102	Yes	480	242	260	-25 - +55	590	0	IP55
09 231 500	22.00	40.00	VLT FC102	Yes	650	242	260	-25 - +55	590	0	IP55
09 231 550	30.00	55.00	VLT FC102	Yes	650	242	260	-25 - +55	590	0	IP55
09 231 600	37.00	66.00	VLT FC102	Yes	680	308	310	-25 - +55	590	0	IP55
09 231 650	45.00	82.00	VLT FC102	Yes	680	308	310	-25 - +55	590	0	IP55
09 231 700	55.00	96.00	VLT FC102	Yes	680	308	310	-25 - +55	590	0	IP55
09 231 750	75.00	133.00	VLT FC102	Yes	770	370	335	-25 - +55	590	0	IP55
09 231 800	90.00	161.00	VLT FC102	Yes	770	370	335	-25 - +55	590	0	IP55

The frequency converter can be used for all Gram fans.