



- Motor and inverter perfectly fitted
- No additional housing required
- Inverter motor directly at the machine
- No restrictions in cable length
(Mains supply)
- EMC standards fulfilled
- Feet- and flange mounting assemblies
- Retrofit without modifications

IP-Protection

IP55 (IP56, IP66)

Typical applications

- Fans and blowers
- Pumps
- Conveyor belts
- Small machinery

Dynamot 300

Technical specification:

Mains voltage	380 to 480V
Power range	0,55 to 7,5 kW
Overload capability	160% for 60s
Mains frequency	50 / 60 Hz
Variation of mains voltage	+/- 2%
Power factor	min. 0,9

Spec's on control side:

Frequency range	0 - 132 Hz
Resolution of output frequency	0,10%
System response time	30 ms +/- 10 ms

Communication:

RS 485 serial interface
Profibus

The Dynamot is a very compact alternative to conventional inverter solutions with inverter in a separate housing and motor on the machine. The inverter is mounted instead of the terminal box directly on top of the motor. The inverter is not higher, longer or wider than the motor itself.

Actuating - Conveyors - Fans - Pumps - Zentrifuges

Technical Data

Dynamot		305	307	311	315	322	330	340	355	375
Power rating	[kW]	0,55	0,75	1,1	1,5	2,2	3	4	5,5	7,5
Frame size		80	80	90	90	100	100	112	132	132
Motor torque:										
2-pole Motors	[Nm]	1,5	1,8	2,3	3,4	4,5	5,0	8,0	12,0	15,0
4-pole Motors	[Nm]	3,5	4,8	7,0	9,6	14,0	19,1	25,4	35,0	48,0
Current consumption (380V):										
2-pole Motors	[A]	1,5	1,8	2,3	3,4	4,5	5,0	8,0	12,0	15,0
4-pole Motors	[A]	1,4	1,7	2,5	3,3	4,7	6,4	8,0	11,0	15,5
Current consumption (480V):										
2-pole Motors	[A]	1,2	1,4	1,8	2,7	3,6	4,0	6,3	9,5	11,9
4-pole Motors	[A]	1,1	1,3	2,0	2,6	3,7	5,1	6,3	8,7	12,3
Max. Fuse:										
UL	[A]	10	10	10	10	15	15	15	25	25
IEC	[A]	25	25	25	25	25	25	25	25	25
Power terminals	[mm ²]	4	4	4	4	4	4	4	10	10
Cable glands		3 x PG16	3 x PG16	3 x PG16	3 x PG16	3 x PG16	3 x PG16	3 x PG16	1 x PG21	1 x PG21
Weighth	[kg]	11	13	17	20	26	28	37	56	61
									3 x PG16	3 x PG16

Vibration - test (IEC 68)	1g
Relative humidity	5-95% RF
Ambient temperature	Max. 40°C (24-hr. average max.35°C)
Min. ambient temperature at full load	0 °C
Min. ambient temperature at reduced load	- 10°C
Number of Power-on-cycles	Once per 2 minutes

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