

For powerful applications in the field
MOVITRAC® LTP-B

Standard inverter



MOVITRAC® LTP-B: The all-rounder for field applications

The standard inverters of the MOVITRAC® LTP-B series are optimally matched to meet the requirements outside a control cabinet and are thus designed in degree of protection IP55 as standard. They have been developed for open-loop speed control of asynchronous and synchronous motors without encoder and are particularly economical in conveyor applications, hoists, as well as in fans and pumps.

MOVITRAC® LTP-B in degree of protection IP55 come in 6 sizes with a power rating from 0.75 to 160 kW – optimally suited for use in a dusty and humid environment. They are space-saving and can easily be mounted to a wall. As an

alternative, inverters for installation in the control cabinet in the power range from 0.75 to 15 kW are available in degree of protection IP20.



MOVITRAC® LTP-B standard inverters convince by their optimized scope of functions and their innovative housing technology. The compact design and universal use make for quick and easy integration into a multitude of applications, be it with asynchronous motors or synchronous motors, with or without encoder.



Overview of MOVITRAC® LTP-B

- Operation of asynchronous and synchronous motors (also without encoder)
- Standard design: Housing degree of protection IP55 / NEMA 12k*, optionally in degree of protection IP20 / NEMA 1
- Keypad for easy startup
- Integrated EMC filter for 230 V and 400 V
- “Safe Torque Off” safety function (STO) according to EN ISO 13849-1 PL d
- Power range:
 - MC LTP-B in IP55: 0.75 – 160 kW
 - MC LTP-B in IP20: 0.75 – 15 kW
- Line voltages: 1x 230 V, 3x 230 V, 3x 400 V, and 3x 575 V
- Motor control modes: V/f, VFC, VFC torque
- Overload capacity up to 175%
- Interfaces (I/O):
 - Digital I/Os: max. 5 DI + 2 DO
 - Analog I/Os: max. 2 AI + 2 AO
 - 2 relay contacts
- Integrated PID controller
- Energy saving function
- Wide range of accessories: Cable sets, OLED full text display, etc.
- Process data exchange via fieldbus connection with PROFIBUS DP, PROFINET, POWERLINK, EtherCAT®, EtherNet/IP™, DeviceNet™, BACnet, CANopen, Modbus TCP or Modbus RTU directly in the inverter or optionally via DFX gateways.



* Observe permitted ambient conditions, condensation not permitted

MOVITRAC® LTP-B in degree of protection IP55 up to 160 kW



Connection voltage V_{AC} : 1x 220 – 240 ± 10 %

MOVITRAC® LTP-B type	Power range kW	Nominal output current A	Size	Dimensions in mm W x H x D	
				IP20 housing	IP55 housing
0008-2B1-4-xx*	0.75	4.3	2	110 x 221 x 185	188 x 257 x 239
0015-2B1-4-xx*	1.5	7			
0022-2B1-4-xx*	2.2	10.5			

xx* = 00 = IP20 housing xx* = 10 = IP55 / NEMA12k housing

Connection voltage V_{AC} : 3x 220 – 240 ± 10 %

MOVITRAC® LTP-B type	Power range kW	Nominal output current A	Size	Dimensions in mm W x H x D	
				IP20 housing	IP55 housing
0008-2A3-4-xx*	0.75	4.3	2	110 x 221 x 185	188 x 257 x 239
0015-2A3-4-xx*	1.5	7			
0022-2A3-4-xx*	2.2	10.5			
0030-2A3-4-xx*	3	14	3	131 x 261 x 205	211 x 310 x 251
0040-2A3-4-xx*	4	18			
0055-2A3-4-00	5.5	24	4	–	171 x 450 x 235
0055-2A3-4-10	5.5	24			
0075-2A3-4-10	7.5	39			
0011-2A3-4-10	11	46			
0015-2A3-4-10	15	61	5	–	235 x 540 x 268
0185-2A3-4-10	18.5	72			
0220-2A3-4-10	22	90	6	–	330 x 865 x 335
0300-2A3-4-10	30	110			
0370-2A3-4-10	37	150			
0450-2A3-4-10	45	180			
0550-2A3-4-10	55	202	7	–	330 x 1 280 x 365
0750-2A3-4-10	75	248			

xx* = 00 = IP20 housing xx* = 10 = IP55 / NEMA12k housing

Connection voltage V_{AC} : 3x 380 – 480 ± 10 %

MOVITRAC® LTP-B type	Power range kW	Nominal output current A	Size	Dimensions in mm W x H x D	
				IP20 housing	IP55 housing
0008-5A3-1-xx*	0.75	2.2	2	110 x 221 x 185	188 x 257 x 239
0015-5A3-4-xx*	1.5	4.1			
0022-5A3-4-xx*	2.2	5.8			
0040-5A3-4-xx*	4	9.5			
0055-5A3-4-xx*	5.5	14	3	131 x 261 x 205	211 x 310 x 251
0075-5A3-4-xx*	7.5	18			
0110-5A3-4-00	11	24			
0110-5A3-4-10	11	24	4	–	171 x 450 x 235
0150-5A3-4-10	15	30			
0185-5A3-4-10	18.5	39			
0220-5A3-4-10	22	46			
0300-5A3-4-10	30	61	5	–	235 x 540 x 268
0370-5A3-4-10	37	72			
0450-5A3-4-10	45	90	6	–	330 x 865 x 335
0550-5A3-4-10	55	110			
0750-5A3-4-10	75	150			
0900-5A3-4-10	90	180			
1100-5A3-4-10	110	202	7	–	330 x 1280 x 365
1320-5A3-4-10	132	240			
1600-5A3-4-10	160	302			

xx* = 00 = IP20 housing xx* = 10 = IP55 / NEMA12k housing

Connection voltage V_{AC} : 3x 500 – 600 ± 10 %

MOVITRAC® LTP-B type	Power range kW	Nominal output current A	Size	Dimensions in mm W x H x D	
				IP20 housing	IP55 housing
0008-603-4-xx*	0.75	2.1	2	110 x 221 x 185	188 x 257 x 239
0015-603-4-xx*	1.5	3.1			
0022-603-4-xx*	2.2	4.1			
0040-603-4-xx*	4	6.5			
0055-603-4-xx*	5.5	9	3	131 x 261 x 205	211 x 310 x 251
0075-603-4-xx*	7.5	12			
0110-603-4-xx*	11	17			
0150-603-4-00	15	22	4	–	171 x 450 x 235
0150-603-4-10	15	22			
0185-603-4-10	18.5	28			
0220-603-4-10	22	34			
0300-603-4-10	30	43	5	–	235 x 540 x 268
0370-603-4-10	37	54			
0450-603-4-10	45	65	6	–	330 x 865 x 335
0550-603-4-10	55	78			
0750-603-4-10	75	105			
0900-603-4-10	90	130			
1100-603-4-10	110	150			

xx* = 00 = IP20 housing xx* = 10 = IP55 / NEMA12k housing

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