



智造精品 · 感动顾客
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FAMCO
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MT72 Elevator Controller

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تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

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PART 01

Background Analysis



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HD3L

- ✓ Open loop control
- ✓ Standard keypad
- ✗ 6 programmable I/O terminals
- ✗ Closed loop control
- ✗ Bluetooth adjustment
- ✗ Group U macroparameter
- ✗ Turning into integrated controller



HD5L

- ✓ Open loop control
- ✓ Optional and universal keypad
- ✓ 6 programmable I/O terminals
- ✓ Closed loop control
- ✗ Bluetooth adjustment
- ✗ Group U macroparameter
- ✗ Turning into integrated controller



MT72

- ✓ Open loop control
- ✓ Optional and universal keypad
- ✓ 10 programmable I/O terminals
- ✓ Closed loop control
- ✓ Bluetooth adjustment
- ✓ Group U macroparameter
- ✓ Turning into integrated controller





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PART 02

Product Introduction



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1. MODEL

MT72-4T015

Product series

Elevator dedicated controller

Voltage

200 - 240V = 2

380 - 460V = 4

Phases

Single phase power input = S

Single /three phases compatible power input = D

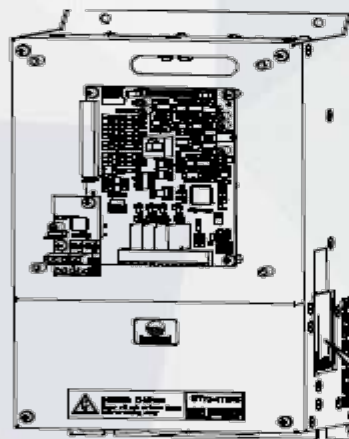
Three phases power input = T

Motor power





2. NAMEPLATE



Product model	MODEL:	MT72-4T5P5
Motor	POWER:	5.5kW
Input date	INPUT:	3PH 380-460V 15A 50/60Hz
Output date	OUTPUT:	8.5kVA 0-460V 13A 0-100Hz
Software version	Version:	1.00

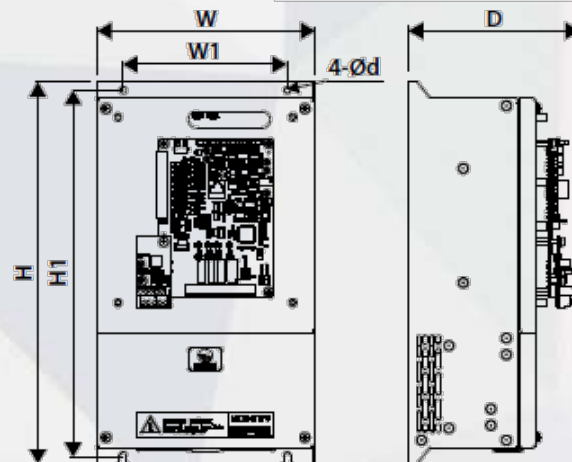
Bar code





3. DIMENSION

See Table 2-1 for the appearance and installation dimensions of MONT72. For the specific model corresponding to the external dimensions, see section 2.4 Rated Value, page 10.



FA/FB/FC/FD/FE/FF

Table 2-1 MONT72 dimension

Structure	Dimension (mm)		Size (mm)				Gross wet. (kg)
	W	H	W1	H1	D	d	
FA	200	350	150	344.5	159	6.5	8.7
FB	220	350	150	334.5	186	6.5	9.1
FC	220	375	195	360	199	7	13
FD	290	555	235	541.5	218	6.5	17.7
FE	380	598.5	260	576	282	10	46.6
FF	260	440	230	420	403	8	20.8





4. TECHNICAL DATA

Electrical Specifications		
Input voltage	Single / three phase : 200 - 240V Three phase : 38 0 - 46 0V Fluctuation does not exceed ± 10% , imbalance rate < 3%	
Input frequency	50/60Hz± 5%	
The output voltage	0 - input voltage	
Output frequency	0 - 100.00Hz	
Performance		
Overload capability	150% rated output current for 2 minutes 180% rated output current 10 seconds	
control method	V/f control ; open loop vector control (SVC); closed loop vector control (VC)	
Run command setting mode	Keypad setting , external terminal setting	
Speed setting method	Digital setting , analog setting	
Speed setting resolution	Digital setting : 0.01Hz Analog setting : 0.1% × maximum frequency	
Speed control accuracy	SVC: ± 0.5%	VC: ± 0.05%
Speed control range	SVC: 1:100	VC: 1:1000
Torque control response	SVC: < 200ms	VC: < 50ms
Starting torque	SVC: 180% rated torque /0.5Hz	VC: 180% rated torque /0Hz
Torque control accuracy	±5%	
input Output		
External analog power supply	+10V, load capacity 100mA	
External power input	External 24VDC power input	
Analog input	AI1: Voltage 0 - 10V	
Digital input	X1 - X10	
Digital output	DO1, DO2	
Relay output	Y1 - Y3, contact capacity : 250VAC/3A or 30VDC/3A RA/RB/RC, contact capacity : 250VAC/5A or 30VDC/5A	





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PART 03

Product Features



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Group U	Application macro parameters	Group U	Application macro parameters	Group U	Application macro parameters
U00.00	F00.00	U00.04	F00.04	U00.08	F11.01
U00.01	F00.01	U00.05	F00.05	U00.09	F11.02
U00.02	F00.02	U00.06	F00.08	U00.10	F18.00
U00.03	F00.03	U00.07	F11.00		

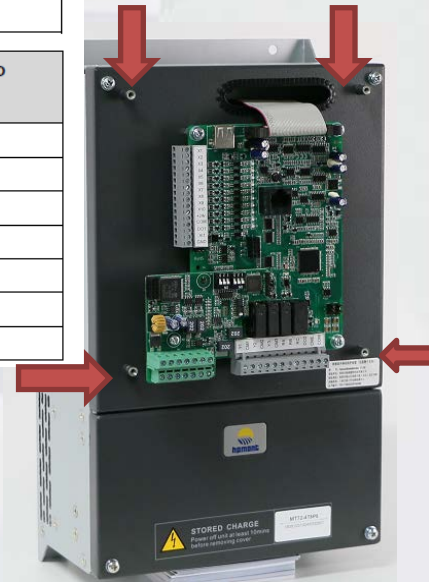
Group U	Application macro parameters	Group U	Application macro parameters	Group U	Application macro parameters
U01.00	F12.00	U01.07	F12.07	U01.14	F12.17
U01.01	F12.01	U01.08	F12.08	U01.15	F12.18
U01.02	F12.02	U01.09	F12.09	U01.16	F12.19
U01.03	F12.03	U01.10	F12.10	U01.17	F12.20
U01.04	F12.04	U01.11	F12.13	U01.18	F12.21
U01.05	F12.05	U01.12	F12.15		
U01.06	F12.06	U01.13	F12.16		

Microparameter in Group U

The U group is an application macro parameter that helps the user to set or view the courier.

Transformed into MT70/MT71

In the photo, as you can see, we design additional four screw bolts. They are for MT70 or MT71 main board assembly.



Advantaged protection function

Power-on safety self-test
Overspeed protection
Speed deviation protection
Up and down forced speed change
Input , output phase loss protection

Traction machine temperature detection
Output short circuit protection
Output phase-to-phase short circuit protection

Built-in bluetooth chip

The bluetooth chip is already built-in on main board

Multiples sets of parameters loading function

2 sets of parameters can be uploaded to the keypad backup function

Function Programmable input and output interface

Input terminal function can be edited , output terminal function can be edited





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PART 04

Product Market



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MT70 is specially designed for customers to help Hpmont agent promote products easily and with increase business competition.
With the spirit of never-giving up and continuous improvement, our R&D enhanced MT72 performance comparing HD5L, and its market will definitely be better than our current market.





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Thank You

Reporter : Martin

Department : IBD

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