

# J1000

Larsen & Toubro introduces J1000 range of AC Drives from 0.4 to 5.5kW. These powerful micro drives are compact, reliable & environmental friendly. Moreover, these drives are very easy to maintain and handle. J1000 will soon be in great demand for its high performance, versatility and quality.

## New Features

- Dual rating: Normal Duty and Heavy Duty
- "One-touch" copy function with verify with 5-digit LED keypad
- Swing PWM function to decrease noise at low carrier frequencies
- Ingenious pre-maintenance function
- Cooling fan replacement without tools
- Mean Time Between Failures (MTBF): 28 years
- Built-in dynamic braking transistor

## Available Options

- RS-232 Communication Unit for Remote Operator
- RS-232 Communication Option for Copy Unit/PC
- Modbus communication up to 38.4 kbps
- USB Copy Unit
- Remote LED Digital Operator

200-240V Single Phase 50/60 Hz				
Model CIMR-JT _____ BAA		BA0003	BA0006	BA0010
Applicable Motor Capacity kW	ND	0.75	1.1	2.2
	HD	0.4	0.75	1.5
Output Current A	ND	3.3	6.0	9.6
	HD	3.0	5.0	8.0

380-480V Three Phase 50/60 Hz						
Model CIMR-JT _____ BAA		4A0004	4A0005	4A0007	4A0009	4A0011
Applicable Motor Capacity kW	ND	1.5	2.2	3.0	3.7	5.5
	HD	0.75	1.5	2.2	3.0	3.7
Output Current A	ND	4.1	5.4	6.9	8.8	11.1
	HD	3.4	4.8	5.5	7.2	9.2



## Compact V/f Control Drive

**L&T SWITCHGEAR**

SAFE & SURE

# J1000 Specifications

## ■ Overload Capacity

150% Overload for 60 sec. (Heavy Duty)  
120% Overload for 60 sec. (Normal Duty)

## ■ Output Frequency

0~400 Hz

## ■ Control Methods

Open Loop V/f Control  
Speed Range: 40:1

## ■ Protective Design

IP20/Protected Chassis

## ■ Braking Transistor

Standard in all models

## ■ Braking Torque

20 - 40% increase with intelligent high flux braking function

## ■ KEB Function

Uses mechanical energy to continue operation during momentary power failure, standard

## ■ Overvoltage Function

Prevention function for food and beverage machine and other applications

## ■ Maintenance

Elapsed timer assists in preventative maintenance for cooling fan, capacitors, and transistors. Easily replaceable cooling fan

## ■ Global Certification

CE, UL, cUL, RoHS

## ■ Available I/O

Five multi-function digital inputs  
One multi-function analog input  
One multi-function relay output  
One multi-function 0-10 Vdc A/O output

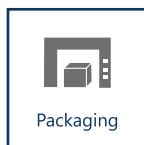
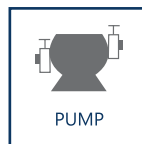
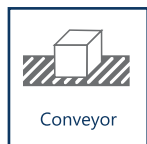
## ■ Network Communication

Optional: RS-232C, RS-422/485, MODBUS 38.4 kbps

## ■ Keypad Operator

Standard LED 5 digit display

## Major Applications



## Dimensions

Model No.	Dimensions in mm		
	W	H	D
BA0003	68	128	118
BA0006	108	128	137.5
BA0010	108	128	154
4A0004	108	128	137.5
4A0005	108	128	154
4A0007	108	128	154
4A0009	108	128	154
4A0011	140	128	143

