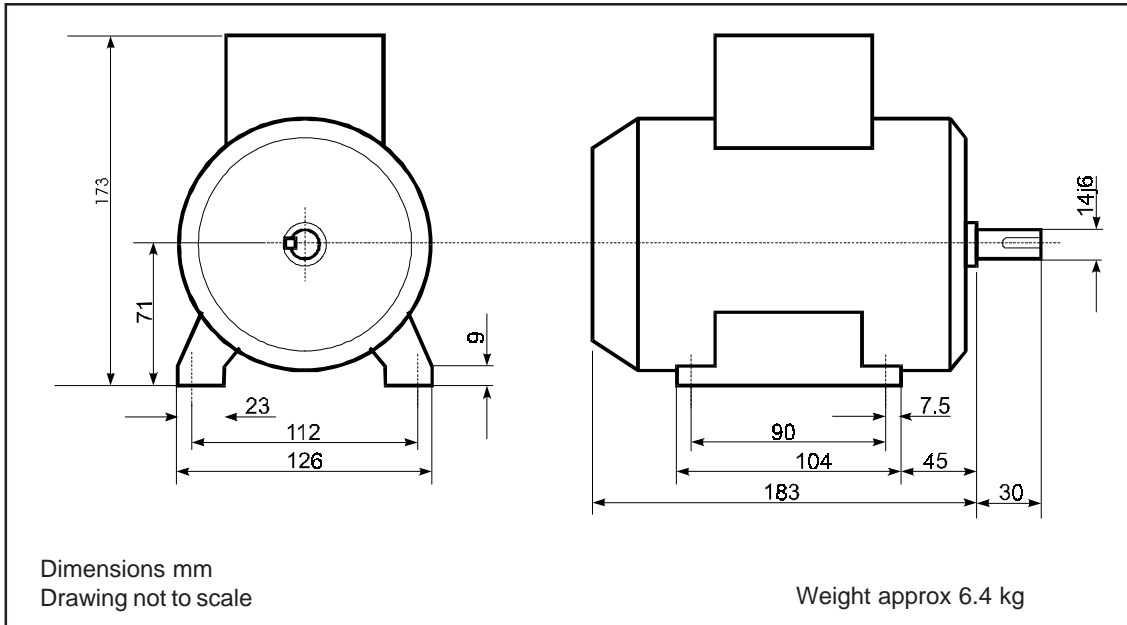


# ASYNCHRONOUS MOTOR FOR DSP EVALUATION WITH MCK240 TOOLS



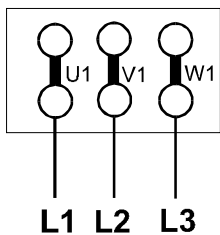
## Specifications

Motor		
Rated Power at 50 Hz	W	370
Rated Speed	rpm	2820
Rated Current (400V)	A	0.95
Starting Current	A	4.8
Power Factor	cos $\varphi$	0.53
Starting Torque	Nm	3
Maximum Torque	Nm	3.5
Rotor Inertia	kgm <sup>2</sup>	$3.5 \times 10^{-4}$

This asynchronous motor is a design assistance unit which allows to test synchronous motor control algorithms.

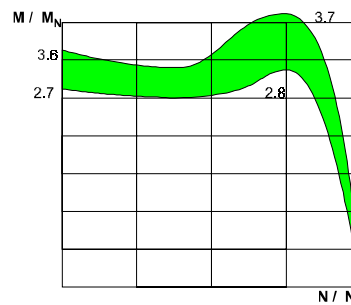
It complements the ACPM750/MCK240 platform which is equipped with the TMS320F240 and C243 DSP from Texas Instruments.

It comes with a 2 channel encoder for AC commutation (no Hall sensors).



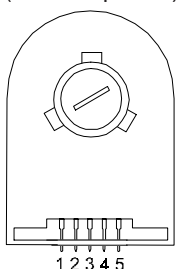
The motor is a dual voltage three phase type  
 $\Delta$  - 230VAC  
 Y - 380VAC

To connect to the ACPM750 power module (230VAC) you need to use the shown D connection



## Encoder - Type HEDS5600

Resolution	lines	500
Output type	Channels	2, quadrature
Supply voltage	V	5V +/- 10%
Supply current	mA	17 to 57
Output (TTL compatible)	mA	5



### Encoder Connection

- 1 GROUND
- 2 N.C.
- 3 Channel A
- 4 Vcc
- 5 Channel B

Motor is only supplied with the purchase of the MCK240 Professional development kits!

Specification subject to change without prior notice!

### Kane Computing Ltd

7 Theatre Court, London Road  
 Northwich, Cheshire  
 CW9 5HB, UK  
 Tel: +44(0)1606 351006  
 Fax: +44(0)1606 351007/8

### For more info:

www.kanecomputing.com  
 sales@kanecomputing.com