

ENCODER MOTORS

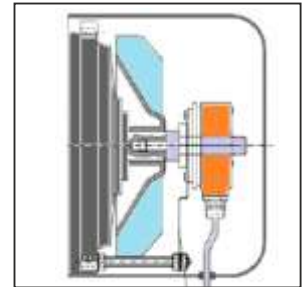


Encoder Motors

LHP Encoder motors serve applications where exact control of speed (RPM) direction of rotation, exact positioning are required . Hollow shaft encoders feature avoids misalignment and vibration problems during actual application which leads to increased reliability-

Applications :-

Examples - Conveyors, Windmills, Textiles, Packaging, Printing, Paper plants, Steel Plants, Machine Tools, automation, robotics. Encoder motors are vital for precise speed control, full torque availability at low speeds and positioning.



Motor Details

Range	Upto 315 Kw
Pole	2,4,6,8
Mounting	Foot (B3), Flange (B-5), Face (B-14), and combinations
Frame	63 to 355 L
Protection	IP 55
Ambient Temp.	50°C
Frequency range	100 to 60% of Rated Frequency.
Torque	upto 60% of Rated Frequency constant torque application.

Encoder Details

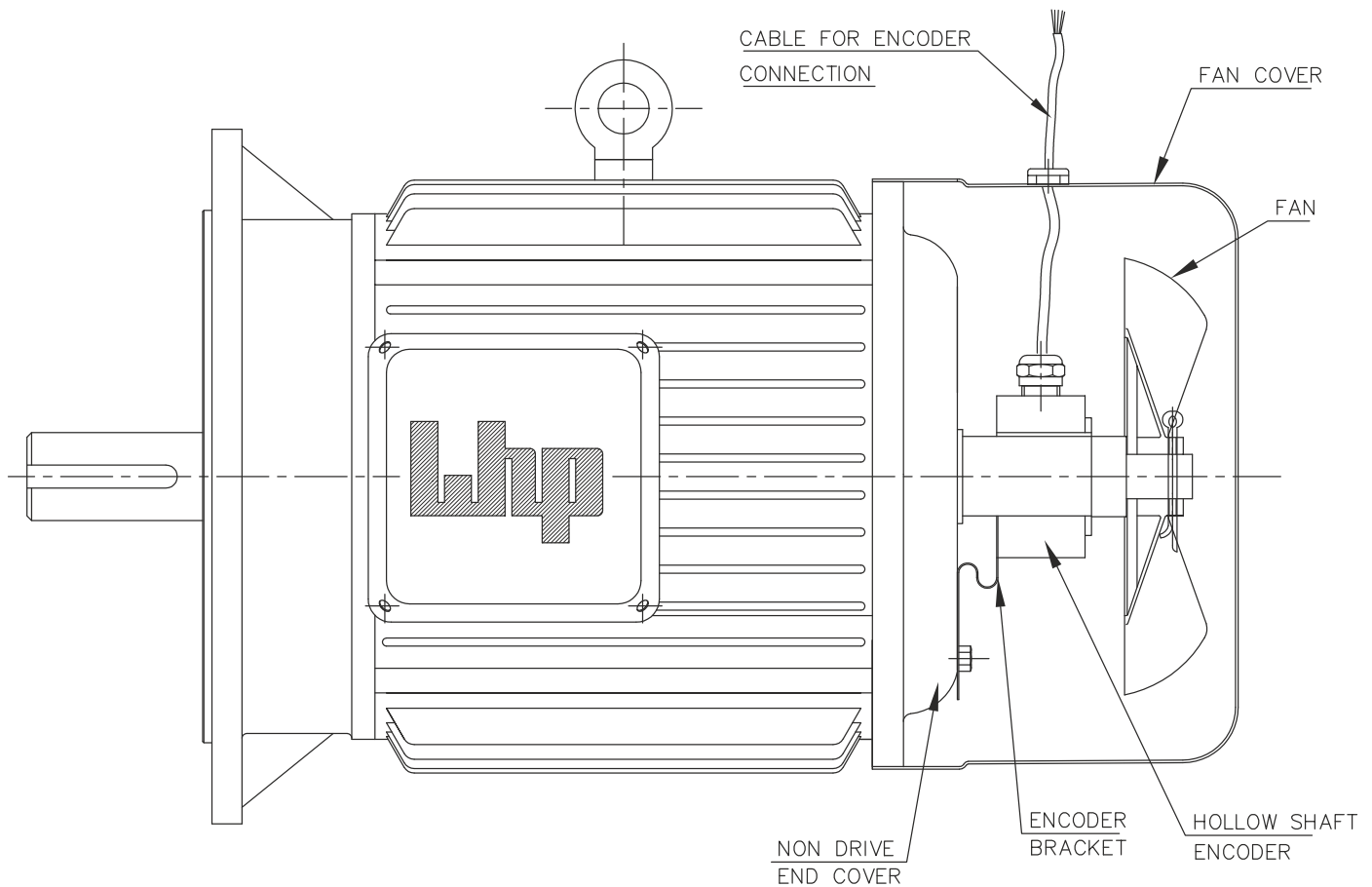
Type	Incremental with Hollow shaft
Max. Speed	6000 RPM
Operating Temperature	40 to 70 degrees C
Protection	IP 67
Type of connection	1m PVC Cable or Plug without mating connector
Resolution (PPR)	1024, 1500, 2000, 2048, 4096 and Max. Upto 5000
Out put	RS 422 / TTL / HTL
Input Voltage	5V or 10V - 30V

Salient features of Incremental encoders fitted to the LHP Motors

- ✓ The incremental encoders comes with a very sturdy bearing construction with its safety lock design.
- ✓ Very large interlocked bearings and large bearing span ensure critical stability with vibration and tolerance of installation errors.
- ✓ A solid die cast housing and radial shaft seal make the incremental encoder ideal for use along with motor in out door harsh applications.
- ✓ The encoders are integrated under the fan cowl.

General Drawing

MOTOR WITH HOLLOW SHAFT ENCODER



Note : For motor mounted with encoder, all dimensions will be as per Standard Induction Motor only except total length of motor. Total length will get increase depending on type of motor & encoder.