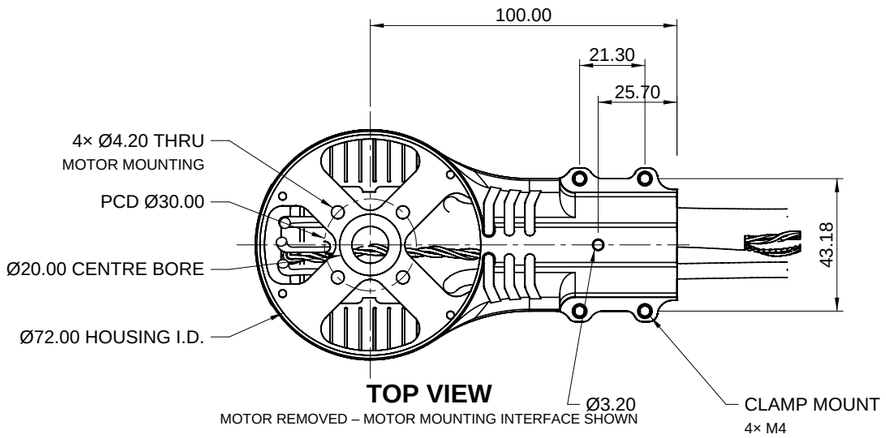
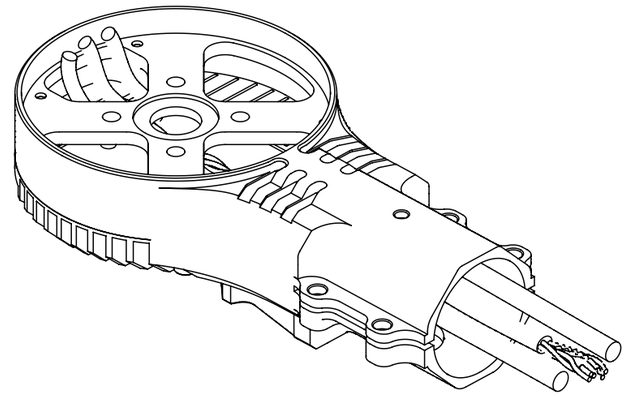
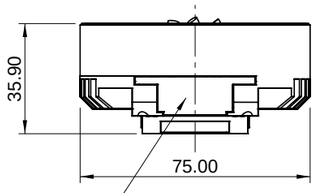



**TOP VIEW**

MOTOR REMOVED – MOTOR MOUNTING INTERFACE SHOWN

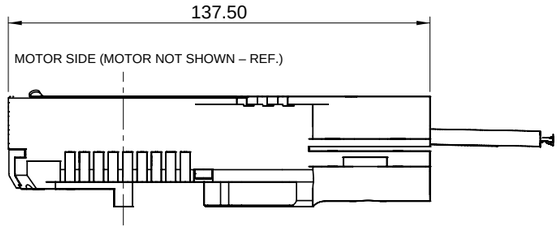


**ISOMETRIC VIEW (NOT TO SCALE)**

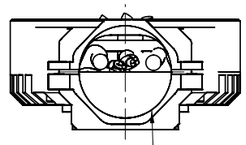



**FRONT VIEW**

LED LIGHT FOR WARNING & PROTECTION INDICATION
(CLEAR EPOXY POTTED)

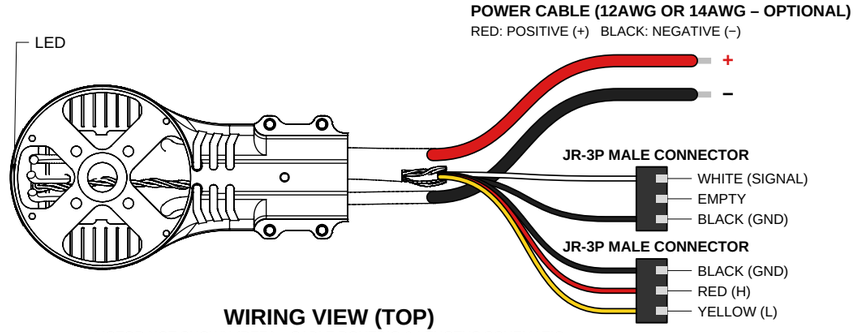



**LEFT VIEW**



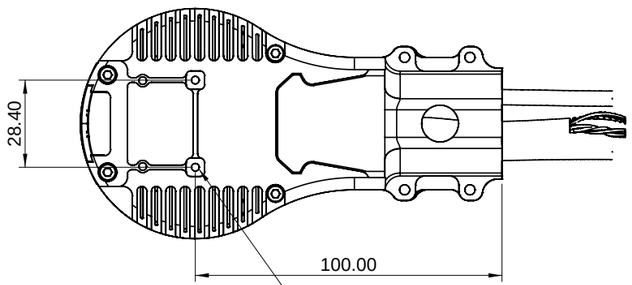
**BACK VIEW**

Ø30.10
(FOR Ø30 mm DIA CARBON FIBER TUBE)




**WIRING VIEW (TOP)**

MOTOR NOT SHOWN (REF.) – CABLE ROUTING & LENGTHS SCHEMATIC




**BOTTOM VIEW**

2× M3 THREADED, DEPTH 5 mm
(FOR AGRI SPRAY MOUNTING)

## NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES. UNTOLERANCED DIMENSIONS PER ISO 2768-m.
2. GEOMETRY AND DIMENSIONS TAKEN FROM 3D MODEL "RD R6 V5 IPU Base .STEP".
3. MOTOR IS NOT SHOWN (FOR REFERENCE ONLY). MOTOR MOUNTING INTERFACE: 4× Ø4.20 THRU ON PCD Ø30.00, Ø20.00 CENTRE BORE, Ø72.00 HOUSING I.D.
4. PRODUCT WEIGHT WITHOUT MOTOR, INCLUDING WIRES: 333 g WITH 12AWG POWER CABLES / 302 g WITH 14AWG.
5. INGRESS PROTECTION: IPX6. INTERNAL ELECTRONICS ARE FULLY POTTED; LED LIGHT IS POTTED IN CLEAR EPOXY.
6. HIDDEN LINES NOT SHOWN.
7. CLAMP MOUNT: 4× M4 SCREWS, HOLE SPACING 21.30 × 43.18.
8. POWER CABLES: 2× 12AWG OR 2× 14AWG (OPTIONAL) – RED (+) / BLACK (−).
9. JR-3P MALE CONNECTOR (ITEM 3): WHITE – SIGNAL, EMPTY, BLACK – GND.
10. JR-3P MALE CONNECTOR (ITEM 4): BLACK – GND, RED – H, YELLOW – L.
11. CABLE ROUTING AND LENGTHS IN WIRING VIEW ARE SCHEMATIC – FOR REFERENCE ONLY.
12. Ø30.10 CLAMP BORE SUITS Ø30 mm CARBON FIBER TUBE.

**WIRING DETAILS**

| ITEM | CABLE / CONNECTOR | TYPE | WIRE COLOUR | FUNCTION |
|---|---|---|---|---|
| 1 | POWER CABLE | 12AWG OR 14AWG | RED | POSITIVE (+) |
| 2 | POWER CABLE | 12AWG OR 14AWG | BLACK | NEGATIVE (–) |
| 3 | JR-3P MALE CONNECTOR | SIGNAL LEAD | WHITE | SIGNAL |
| | | | — | EMPTY |
| | | | BLACK | GND |
| 4 | JR-3P MALE CONNECTOR | SIGNAL LEAD | BLACK | GND |
| | | | RED | H |
| | | | YELLOW | L |

COMPANY: REFLEX DRIVE

TITLE: **R6 V5 IPU- BASE ONLY**

| | | | | | | |
|---|---|---|---|---|---|---|
| DESCRIPTION: R6 V5 IPU ASSY – CUSTOMER GEN. ARRANGEMENT & WIRING | | | | DRAWING NO.: **RD-R6V5IPU-GA-001** | | |
| DRAWN | DATE: 12-11-2026 | CHECKED | APPROVED | IP RATING: **IPX6** | SCALE: **1:2** | SIZE: **A3** |
| UNITS: mm | GENERAL TOLERANCE: ISO 2768-m | WEIGHT (INCL. WIRES, NO MOTOR): **12AWG: 333 g 14AWG: 302 g** | | REV: **A** | SHEET: 1 OF 1 | PROJECTION: 3RD ANGLE |