

# ABB BALDOR RELIANCE III

---

## Customer information packet

HDS130-0817BRKNN

HDS130-0817BRKNN, RESOLVER, KEY

**Specifications**

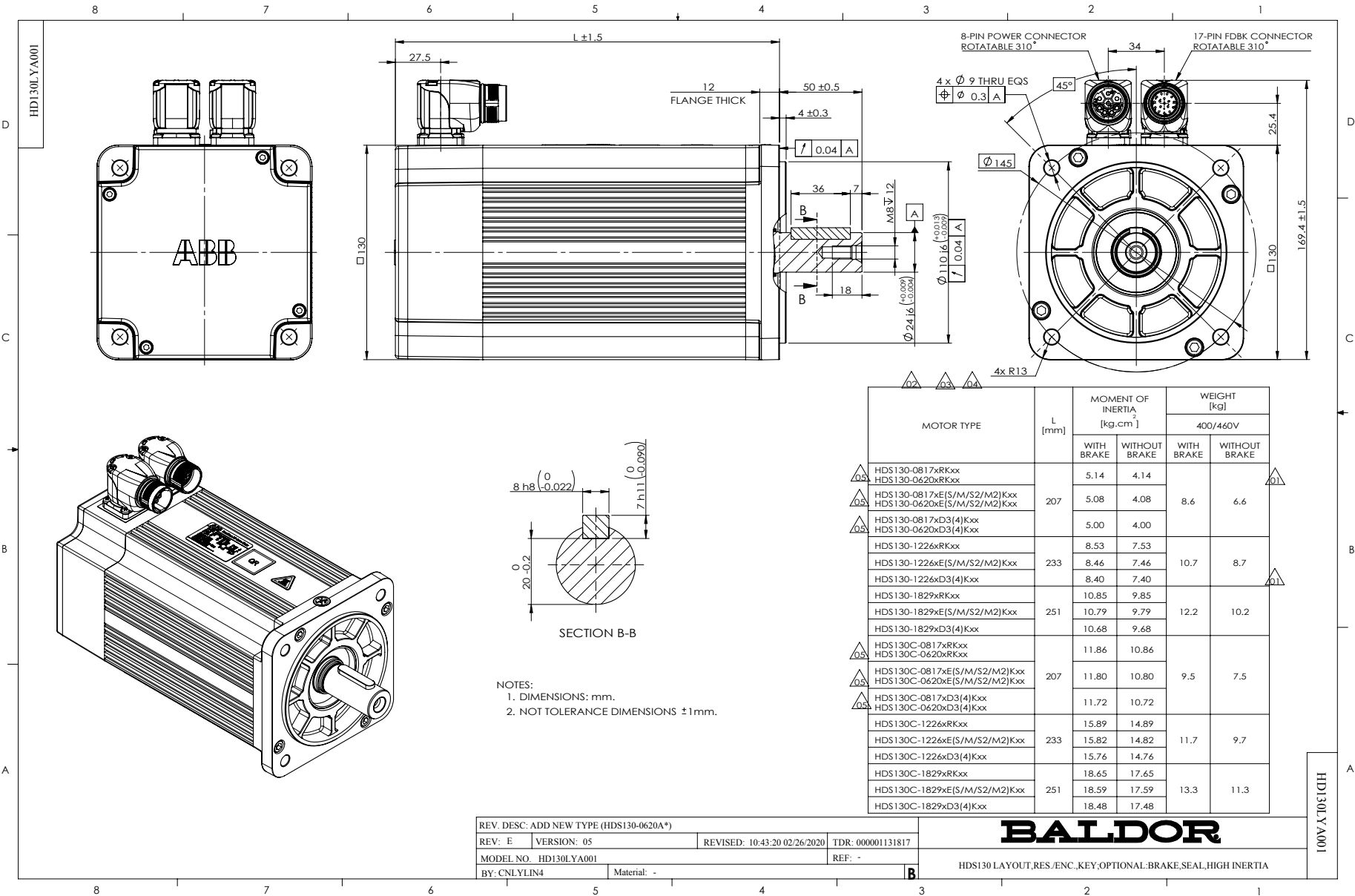
|                                    |             |
|------------------------------------|-------------|
| <b>Bearing Grease Type</b>         | Polyrex EM  |
| <b>Dimensional Drawing Numbers</b> | HD130LYA001 |
| <b>Nameplate Amps</b>              | 8.0         |

**Part Detail**

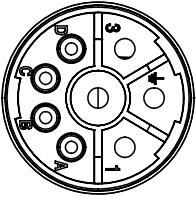
|                     |             |
|---------------------|-------------|
| <b>Revision</b>     | F           |
| <b>Type</b>         |             |
| <b>Mech. spec.</b>  |             |
| <b>Base</b>         |             |
| <b>Status</b>       | PRD/A       |
| <b>Elec. spec.</b>  |             |
| <b>Layout</b>       | HD130LYA001 |
| <b>Eff. date</b>    | 04-09-2018  |
| <b>CD Diagram</b>   |             |
| <b>Poles</b>        |             |
| <b>Leads</b>        |             |
| <b>Proprietary</b>  | False       |
| <b>Created date</b> | 08-15-2017  |

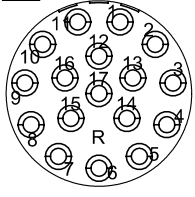
**Nameplate**

| LB1577T01 |                  |    |    |      |          |       |      |   |  |
|-----------|------------------|----|----|------|----------|-------|------|---|--|
| MODEL:    | HDS130-0817BRKNN |    |    |      |          |       |      |   |  |
| PN        | 1.7              | KW | TO | 8.0  | N.M      | IO    | 8.0  | A |  |
| U         | 400              | V  | TP | 24.0 | N.M      | IP    | 27.0 | A |  |
| NN/N MAX  | 2000/4000        |    |    | RPM  | 3XPTC130 |       |      |   |  |
| FBK       | RES              |    |    | IP   | IP54     | INS F |      |   |  |
| BRK:      | VDC/             |    |    |      | N.M      |       |      |   |  |
| S/N       |                  |    |    |      |          |       |      |   |  |



CD2167A09

| MOTOR & BRAKE & PTC LEADS                                                                                                                                |     |             |                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|-----------------------------------------------|
| <div><div><div>02</div></div><div>WD1456A26<br/>(PLUG SIDE)</div></div> | PIN | FUNCTION    | COLOR                                         |
|                                                                                                                                                          | 1   | U (R)       | BLACK                                         |
|                                                                                                                                                          | 2   | GROUND (PE) | YELLOW/GREEN                                  |
|                                                                                                                                                          | 3   | W (T)       | BLUE                                          |
|                                                                                                                                                          | 4   | V (S)       | RED                                           |
|                                                                                                                                                          | A   | PTC         | <div><div>01</div><div>BLUE BLACK</div></div> |
|                                                                                                                                                          | B   | PTC         | BLUE                                          |
|                                                                                                                                                          | C   | BRAKE       | RED                                           |
|                                                                                                                                                          | D   | BRAKE       | BLUE                                          |

| RESOLVER LEADS                                                                                                                                            |      |          |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------|
| <div><div><div>02</div></div><div>WD1456A21<br/>(PLUG SIDE)</div></div> | PIN  | FUNCTION | COLOR        |
|                                                                                                                                                           | 1    | R1(REF+) | RED/WHITE    |
|                                                                                                                                                           | 2    | R2(REF-) | YELLOW/WHITE |
|                                                                                                                                                           | 3    | S1(COS+) | RED          |
|                                                                                                                                                           | 4    | S3(COS-) | BLACK        |
|                                                                                                                                                           | 5    | S4(SIN-) | BLUE         |
|                                                                                                                                                           | 6    | S2(SIN+) | YELLOW       |
|                                                                                                                                                           | 7~17 | -        | -            |

|                               |                     |                              |                   |
|-------------------------------|---------------------|------------------------------|-------------------|
| REV. DESC: ENGINEERING CHANGE |                     |                              |                   |
| REV: B                        | VERSION: 02         | REVISED: 04:41:51 03/04/2024 | TDR: 000001227267 |
| 60V17DC<br>CD2167A09          | MODEL NO. CD2167A09 |                              | REF: -            |
|                               | BY: CNCONIE         | Material: -                  |                   |

BALDOR

CONNECTION DIAGRAM,POWER & RESOLVER

CD2167A09