

NOTE:

- APPROXIMATE WEIGHT :140 Kg (308 lbs).
- GEARBOX RATIOS: 3, 4 & 6:1.
- GEARBOX BASEPLATE: F25/FA25 & F30/FA30.
- DIMENSIONS WITH "*" INDICATE COVER REMOVAL ALLOWANCE
- THE INTERFACE PROVIDED FOR MOUNTING THE ACTUATOR OR SECOND STAGE GEARBOX ONTO THE VALVE SHOULD CONFORM TO GOOD ENGINEERING PRACTICES, ENSURING ADEQUATELY TOLERANCED LIMITS FOR PARALLELISM, PERPENDICULARITY AND CONCENTRICITY.
- ROTORK CANNOT BE HELD LIABLE FOR DAMAGE TO OUR EQUIPMENT CAUSED BY EXCESSIVE LOADING FROM COVER TUBES, HANDWHEEL AND HAND LEVER.

| PARAMETER | VALUE | DESCRIPTION |
|--------------------------|-------|-----------------------------|
| DRAWING TYPE | A | INSTALLATION DRAWING |
| ACTUATOR | 6 | CK(R)C250/500 |
| GEARBOX1 | B9 | IB9 |
| GEARBOX2 | N0 | No G.B.2 |
| CENTRONIK / TERMINAL | B | 3 COND |
| MECHANISM / MOTOR | A | AID/LARGE MOT. |
| HANDWHEEL / REAR / FRONT | 0 | STD.H.W./STD.REAR/STD.FRNT. |
| ORIENTATION | 0 | STANDARD ORIENTATION |

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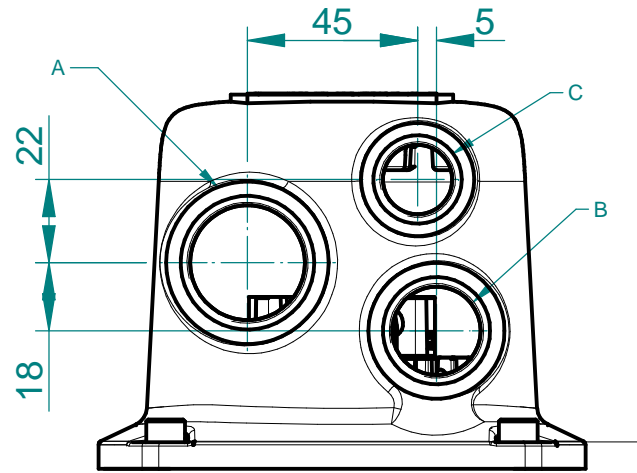
Title: **DD,CK(R)C250/500,IB9,3 ENTR,AID/LRG MTR,STD ORT.**

| | | | | |
|----------|------------|------------|--------------------------------------|-------------------|
| Created | A.Aashay | 2024-03-18 | Drawing Number A6B9N0BA00X | Rev 1-0 |
| Checked | A.Aashay | 2024-03-20 | | |
| Approved | N.Campbell | 2024-04-09 | | |

Size: A3 Sheet 1 of 2

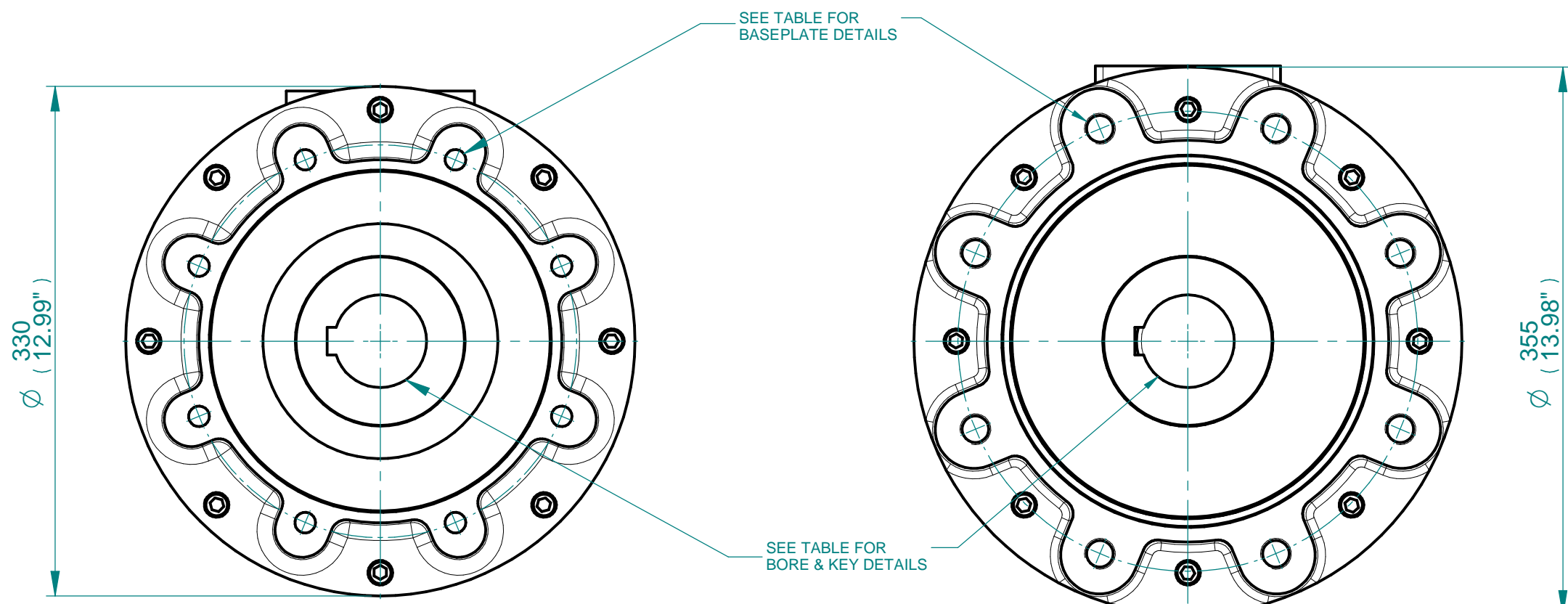
Template Issue : 2021-02-19 (RCL-PE)

| Rev | ECN | Revised | Rev. Approved | Date | Change Description |
|-----|-----|----------|---------------|------------|--------------------|
| 1-0 | - | A.Aashay | N.Campbell | 2024-04-09 | First issue |



| CONDUIT ENTRY HOLE | | |
|--------------------|--------|------|
| Hole | Metric | NPT |
| A | M32 | 1 ¼" |
| B | M25 | ¾" |
| C | M20 | ¾" |

CONDUIT ENTRIES



IB9-F25/FA25 GEARBOX MOUNTING DETAILS

IB9-F30/FA30 GEARBOX MOUNTING DETAILS

| |
|---------------------------------------|
| MAX. STEM SCREW ACCEPTANCE DIA |
| 86(3.375") |

| STD | MAX BORE SQ KEY | | MAX BORE RECTANGULAR KEY | |
|------------|-----------------|---------|--------------------------|-----------|
| | BORE | KEY | BORE | KEY |
| BS4235 | - | - | 76.0 | 22X14 |
| BS46 | 2.750" | 3/4" SQ | 3.000" | 3/4"X1/2" |
| ANSI B17.1 | 2.750" | 5/8" SQ | 3.000" | 3/4"X1/2" |

| BASEPLATE DETAILS | | | |
|-------------------|-----------|------------------|----------------------------------|
| TYPE | BASEPLATE | SPIGOT DIA. | HOLE DETAILS (22.5° OFF CENTRES) |
| ISO F25 | STANDARD | Ø199.95-0.05 | 8 HOLES M16X20 (0.79") DEEP |
| | | (Ø7.872"-0.002") | ON Ø254.0 (Ø10.00") P.C. |
| FA25 | | Ø152.25-0.05 | 8 HOLES 5/8"UNCX20 (0.79") DEEP |
| | | (Ø5.994"-0.002") | ON Ø254.4 (Ø10.00") P.C. |
| ISO F30 | STANDARD | Ø229.95-0.05 | 8 HOLES M20x25 (0.98") DEEP |
| | | (Ø9.053"-0.002") | ON Ø298.0 (Ø11.73") P.C. |
| FA30 | | Ø177.70-0.05 | 8 HOLES 3/4"UNCx25 (0.98") DEEP |
| | | (Ø6.996"-0.002") | ON Ø298.5 (Ø11.75") P.C. |

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Created: A.Aashay, 2024-03-18

Checked: []

Approved: []

Drawing Number: **A6B9N0BA00X**

Rev: 1-0

Size: A3 Sheet 2 of 2

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|-----|-----|---------|---------------|------|--------------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |