

| DRP               |                       | Page                                  |
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| Performance sheet |                       | 1/2                                   |
| CUSTOMER:         | ORBITAL ATK           | CUSTOMER ORDER REF: 24990 ORBITAL ATK |
| DISTRIBUTOR:      | ANDANTEX INCORPORATED | REDEX ORDER REF: 210035               |
| DESIGNATION:      | DRP3+R.21.4.H         | SERIAL NUMBER: 898128                 |
| CODE:             | RX128771-11           | MOTOR FLANGE CODE: RX129474-02        |

**Mechanical preload data**

The preload torque of the gearbox in DUALDRIVE configuration depends on the application data and features of the gearbox.

The preload torque can be increased but must never exceed the maximum value indicated below.

A too important preload torque reduces the efficiency and the life expectancy of the gearbox and the rack.

|                            |                       |
|----------------------------|-----------------------|
| Optimal preload torque Tp: | Following application |
| Maximum preload torque:    | 34,1 Nm               |

For the installation, please refer to User Manual DRP (182/009)

SPECIFIC REMARKS:

Product images are for illustrative purposes only.

DRP

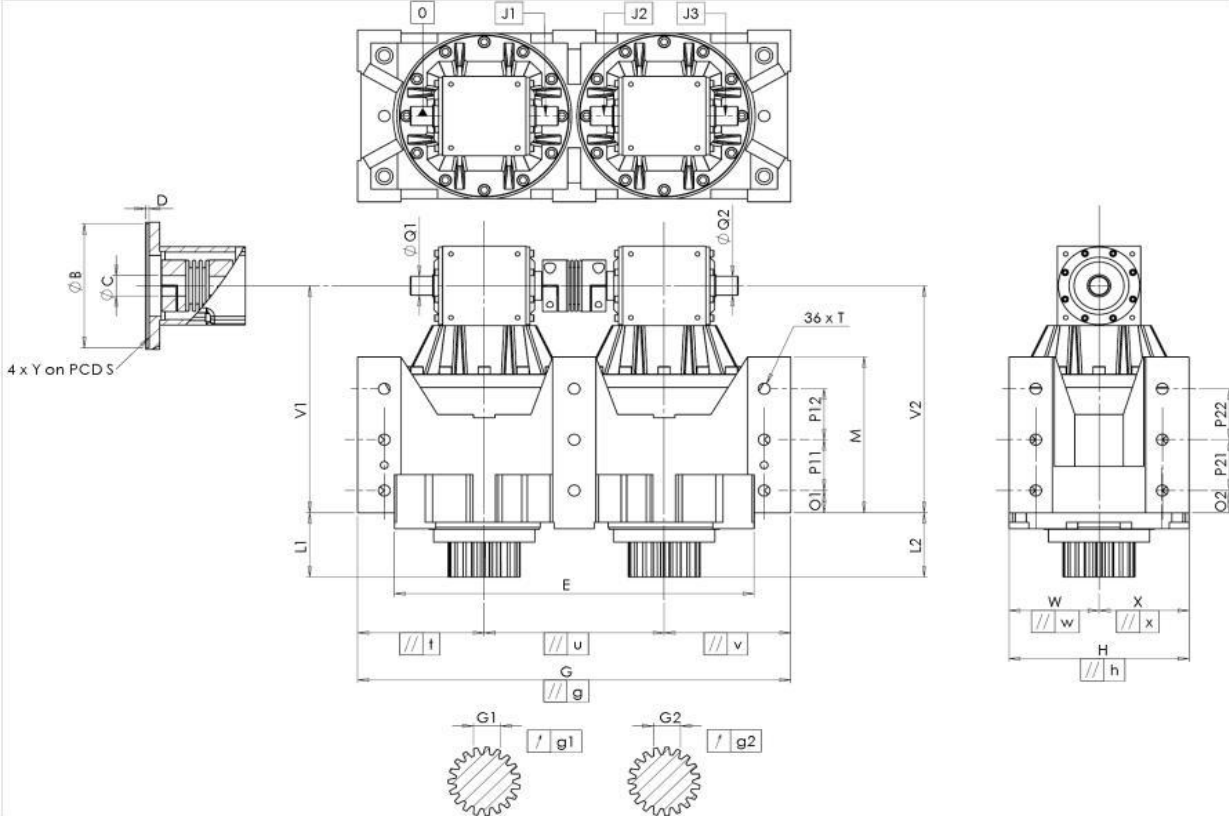
Performance sheet

RX183/005-B

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EXTERNAL DIMENSIONS & INTERFACES:

SN: 898128



|                         |    |         |                                                 |     |             |                             |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|-------------------------|----|---------|-------------------------------------------------|-----|-------------|-----------------------------|---------|---------------|-------------------------------------|---------|----------------|-------|------------|------------------------------------------------|--|--|--|--|--|--|--|--|--|
| General tolerance: Js13 |    | Cmm     | Automatic / manual coordinate-measuring machine |     | µm          | Micrometer                  | Cr      | Calliper rule |                                     | Di      | Dial indicator | Pg    | Plug gauge |                                                |  |  |  |  |  |  |  |  |  |
| HOUSING                 |    |         |                                                 |     | HOUSING     |                             |         |               | MOTOR FLANGE                        |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
| requirement             |    | measure |                                                 |     | requirement |                             | measure |               | requirement                         |         | measure        |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         |    | J7803   |                                                 |     | O1          |                             | 35      | Cr            | 35                                  |         |                | C7681 |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | E  | 540     | <sup>0</sup> <sub>-0,1</sub>                    | Cmm | 539,905     |                             | P11     | 80            | Cr                                  | 80      | Ø              | B     | 130        | <sup>+0,054</sup> <sub>+0,014</sub> µm 130,015 |  |  |  |  |  |  |  |  |  |
|                         | G  | 650     | <sup>+0,2</sup> <sub>-0,2</sub>                 | Cmm | 650,045     |                             | P12     | 80            | Cr                                  | 80      | Ø              | C     | 32         | <sup>+0,05</sup> <sub>+0,025</sub> µm 32,04    |  |  |  |  |  |  |  |  |  |
| //                      | g  | 0,045   |                                                 | Cmm | 0,015       |                             | M       | 245           | <sup>+0,1</sup> <sub>-0,1</sub> Cmm | 244,962 |                | D     | 5          | Cr 5,02                                        |  |  |  |  |  |  |  |  |  |
| //                      | t  | 0,045   |                                                 | Cmm | 0,003       |                             | O2      | 35            | Cr                                  | 35      | Ø              | S     | 215        | Cr 215                                         |  |  |  |  |  |  |  |  |  |
| //                      | u  | 0,035   |                                                 | Cmm | 0,011       |                             | P21     | 80            | Cr                                  | 80      | Ø              | Y     | M12        | Pg M12                                         |  |  |  |  |  |  |  |  |  |
| //                      | v  | 0,045   |                                                 | Cmm | 0,008       |                             | P22     | 80            | Cr                                  | 80      |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | W  | 135     |                                                 | Cmm | 134,986     | Ø                           | T       | M20           | Pg                                  | M20     |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
| //                      | w  | 0,035   |                                                 | Cmm | 0,003       | OUTPUT PINION               |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | X  | 135     |                                                 | Cmm | 135,012     | Pinion 1                    |         |               |                                     | Q1812   |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
| //                      | x  | 0,035   |                                                 | Cmm | 0,004       | Span dimension over 3 teeth |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | H  | 270     | <sup>+0,04</sup> <sub>-0,04</sub>               | Cmm | 269,998     |                             | G1      | 39,25         | <sup>0</sup> <sub>-0,03</sub> Cmm   | 39,24   |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
| //                      | h  | 0,02    |                                                 | Cmm | 0,016       | ↗                           | g1      | 0,022         | Di                                  | 0,01    |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | V1 | 357     |                                                 | Cmm | 357,08      | Pinion 2                    |         |               |                                     | Q1802   |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | L1 | 101     |                                                 | Cmm | 101,189     | Span dimension over 3 teeth |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | V2 | 357     |                                                 | Cmm | 357,064     |                             | G2      | 39,25         | <sup>0</sup> <sub>-0,03</sub> Cmm   | 39,235  |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | L2 | 101     |                                                 | Cmm | 101,255     | ↗                           | g2      | 0,022         | Di                                  | 0,02    |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
| Ø                       | Q1 | 30      | <sup>+0,009</sup> <sub>-0,004</sub>             | Cmm | 29,996      | No-load input torque        |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
| Ø                       | Q2 | 30      | <sup>+0,009</sup> <sub>-0,004</sub>             | Cmm | 30,001      | Line                        |         |               |                                     | 1,5 Nm  |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | J1 |         | /0                                              | µm  | 0           | Line 2                      |         |               |                                     | 1,5 Nm  |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | J2 |         | /0                                              | µm  | 0,03        |                             |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |
|                         | J3 |         | /0                                              | µm  | 0,025       |                             |         |               |                                     |         |                |       |            |                                                |  |  |  |  |  |  |  |  |  |

Date: 21/12/2015

Version: A

Visa: JJ PELLE



|                                 |  |      |           |
|---------------------------------|--|------|-----------|
| Noise level                     |  | Line | Stiffness |
| Torsional stiffness (Nm/arcmin) |  | 1    | 473,03    |
|                                 |  | 2    | 473,03    |
| Radial stiffness (N/µm)         |  | 1    | 883       |
|                                 |  | 2    | 920       |
| @1600 rpm input (dB(A))         |  | 73,5 |           |

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