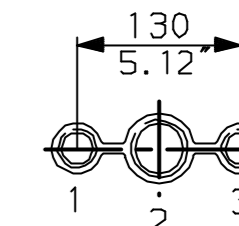
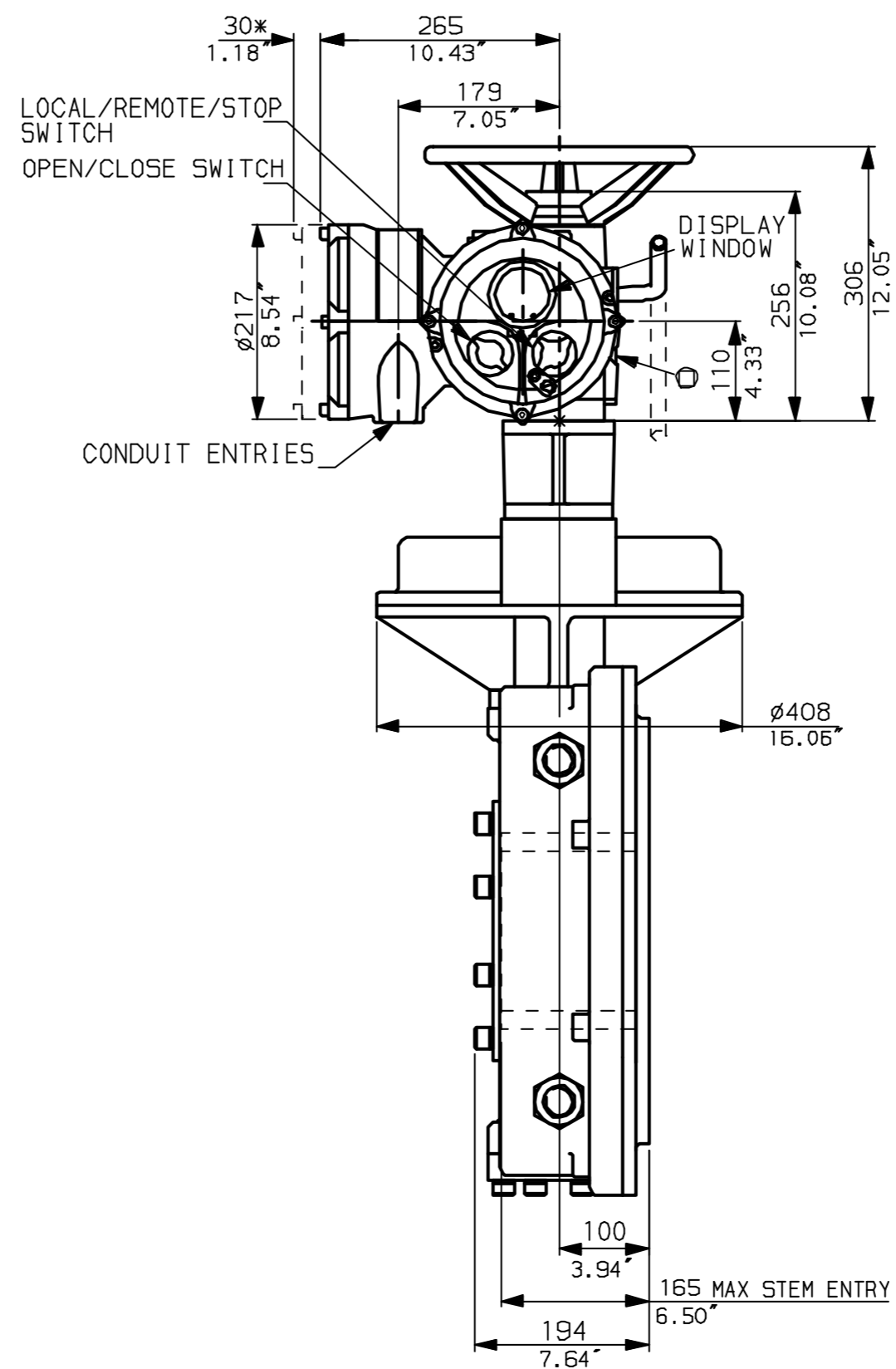
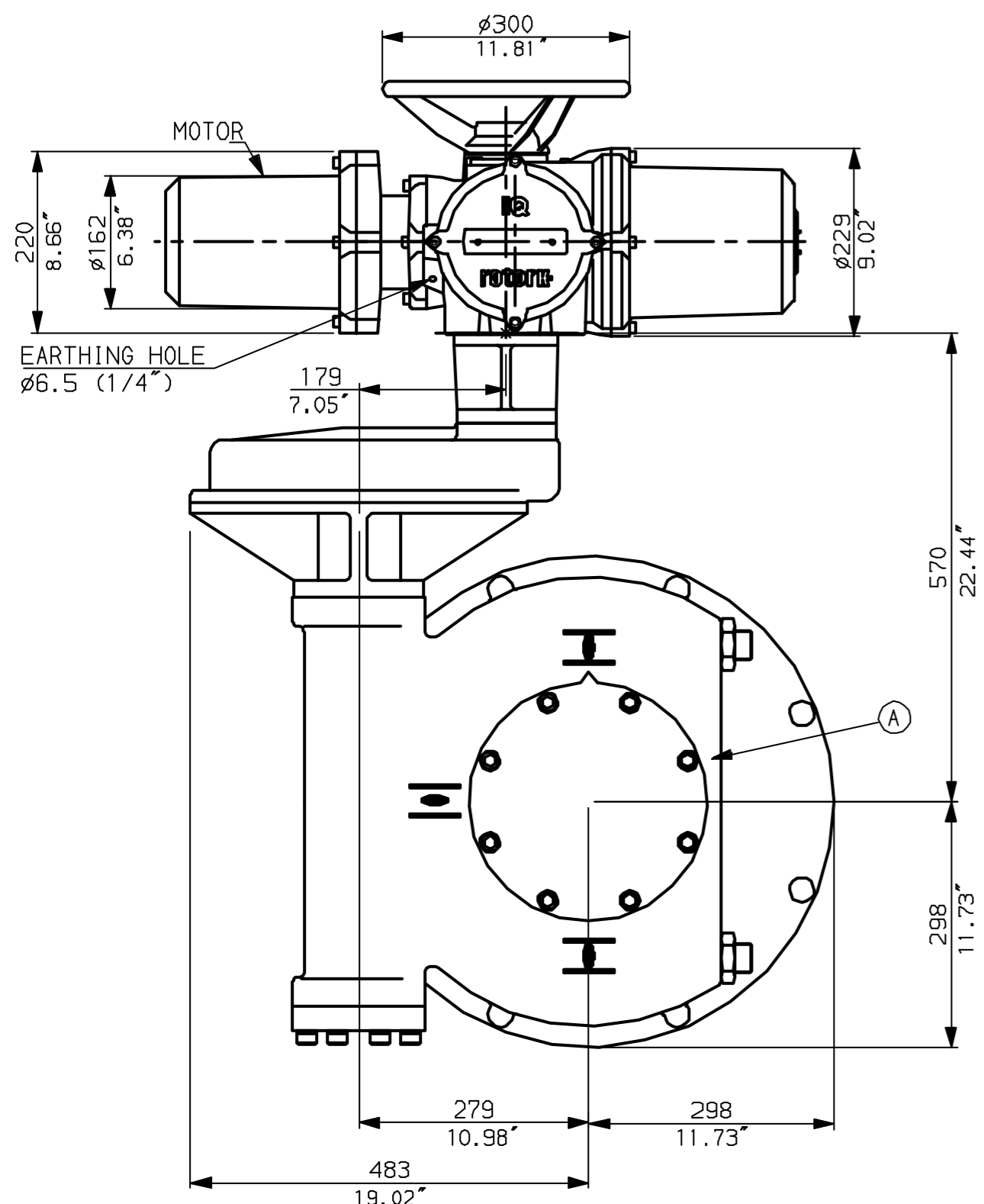


NOTES:
 * DIMENSIONS WITH '*' INDICATE COVER REMOVAL ALLOWANCE
 NETT WEIGHT = 305kg (671 lbs)
 ○ = OIL FILLER/DRAIN PLUG
 THE INTERFACE PROVIDED FOR MOUNTING THE ACTUATOR OR SECOND STAGE GEARBOX ONTO THE VALVE SHOULD CONFORM TO GOOD ENGINEERING PRACTICES, ENSURING ADEQUATELY TOLERANCED LIMITS FOR PARALLELISM, PERPENDICULARITY AND CONCENTRICITY.

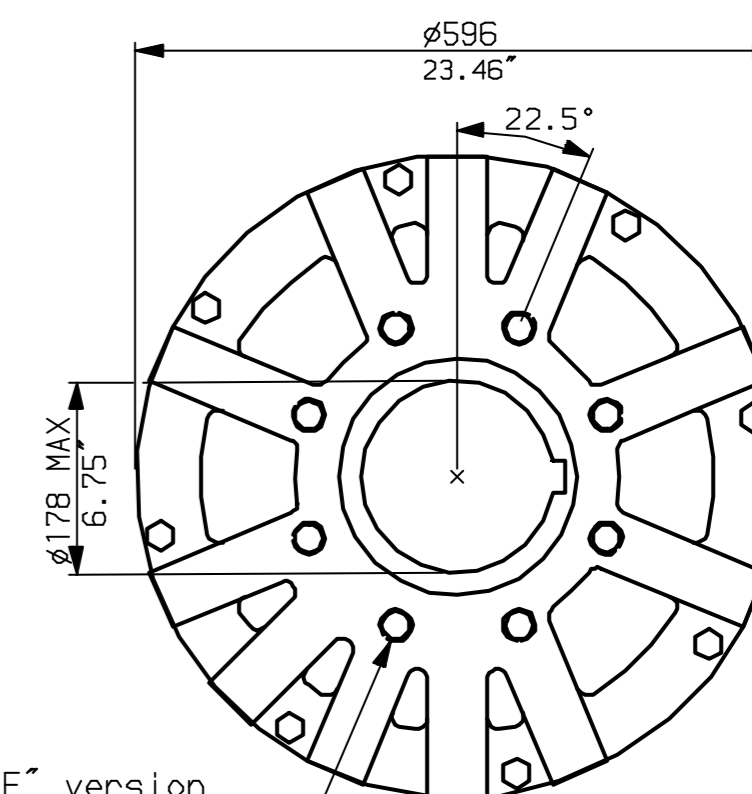
CONDUIT ENTRIES (N.T.S)



Nos.1 & 3 TAPPED 1" NPT
 No.2 TAPPED 1 1/2" NPT
 STD ALTERNATIVES IF SPECIFIED
 2 X M25, 1 X M40
 2 X PG16, 1 X PG29



N.B. KEYWAY POS. CAN BE MOVED IN 45° STEPS BY REMOVING 8 SCREWS MARKED (A) AND ROTATING OUTPUT SLEEVE.



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"FA" version
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 EQUI-SPACED AS SHOWN ON A
 11.75" PCD (MSS SP101-FA30).

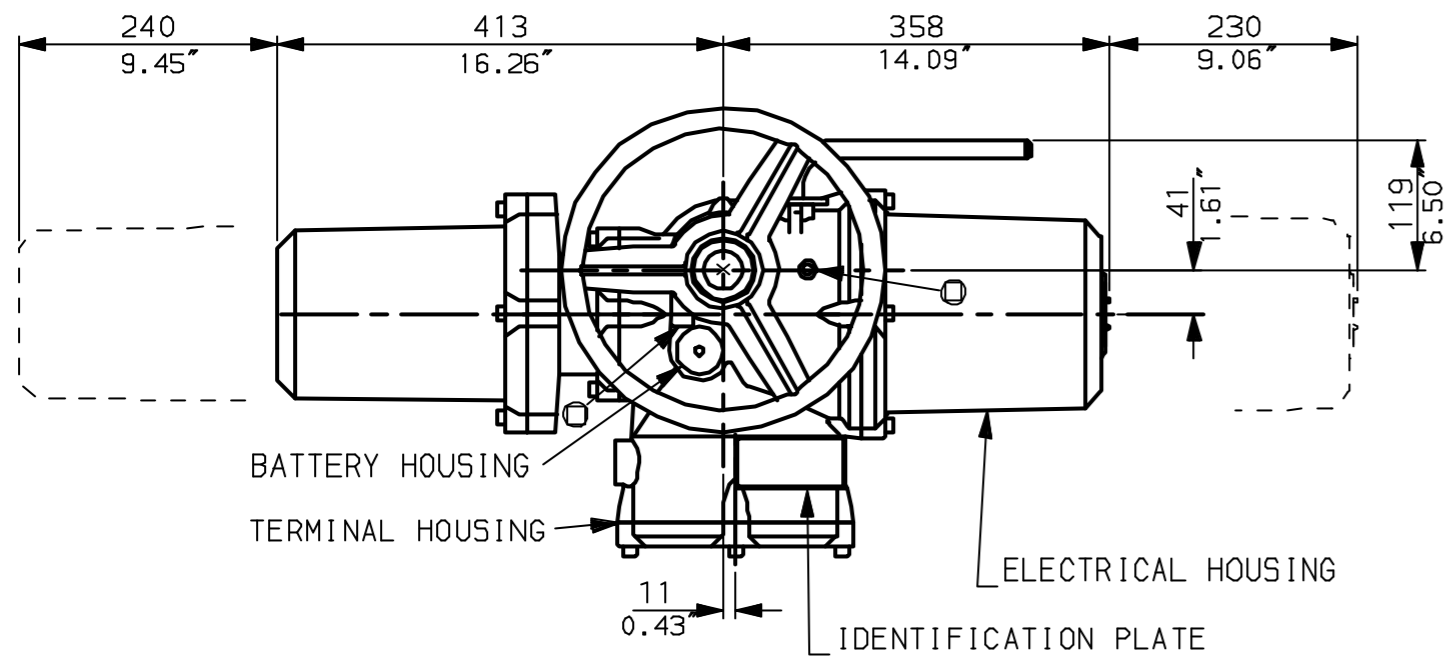
NOTE:
 Gearbox is shown with LOW Ratio Input Reducer.
 (ie Ratios 180, 240, 360, 480, 540, 720)
 See Data Sheet with IW9Rh for HIGH ratio option.

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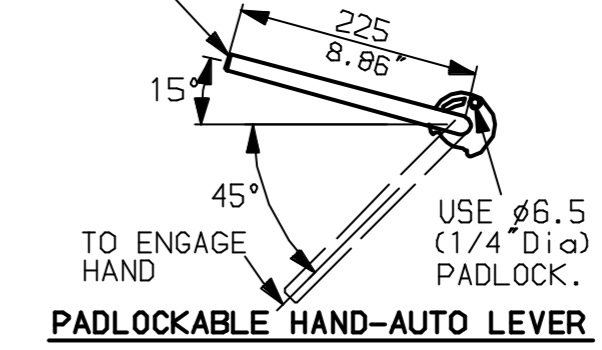
Rotork Controls Ltd.
 Bath England, BA1 3JQ.
 (Phone 01225-733200)
 Rotork Controls Inc.
 Rochester, NY 14624
 (Phone 585-328-1550)

Title IQD10, 12, 18, THW, IW9RL,		
STANDARD DIMENSIONAL DATA		
Drawn CAD	Checked PRE	Ref Data Sheet
Date April 04	Job No	IQD1THW_IW9R

01	First Issue.
Scale	1:7 THIRD ANGLE PROJECTION
Drawing Number	IQD1THW_IW9RL

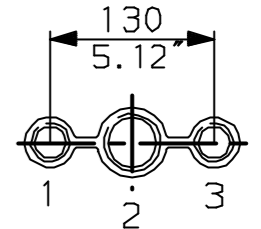


LEVER POSITION IN AUTO.
LEVER AUTOMATICALLY RETURNS
TO THIS POSITION WHEN RELEASED

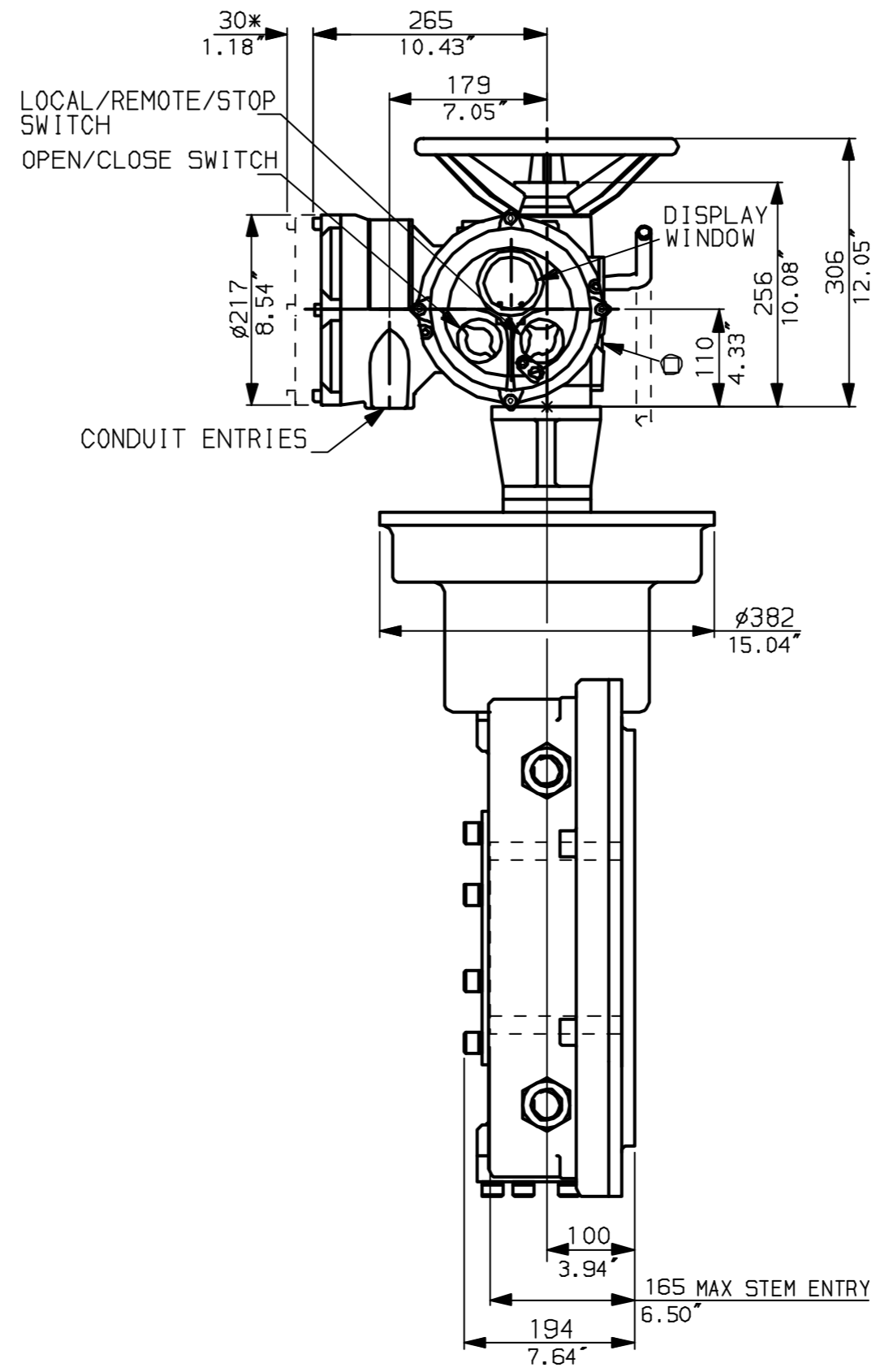
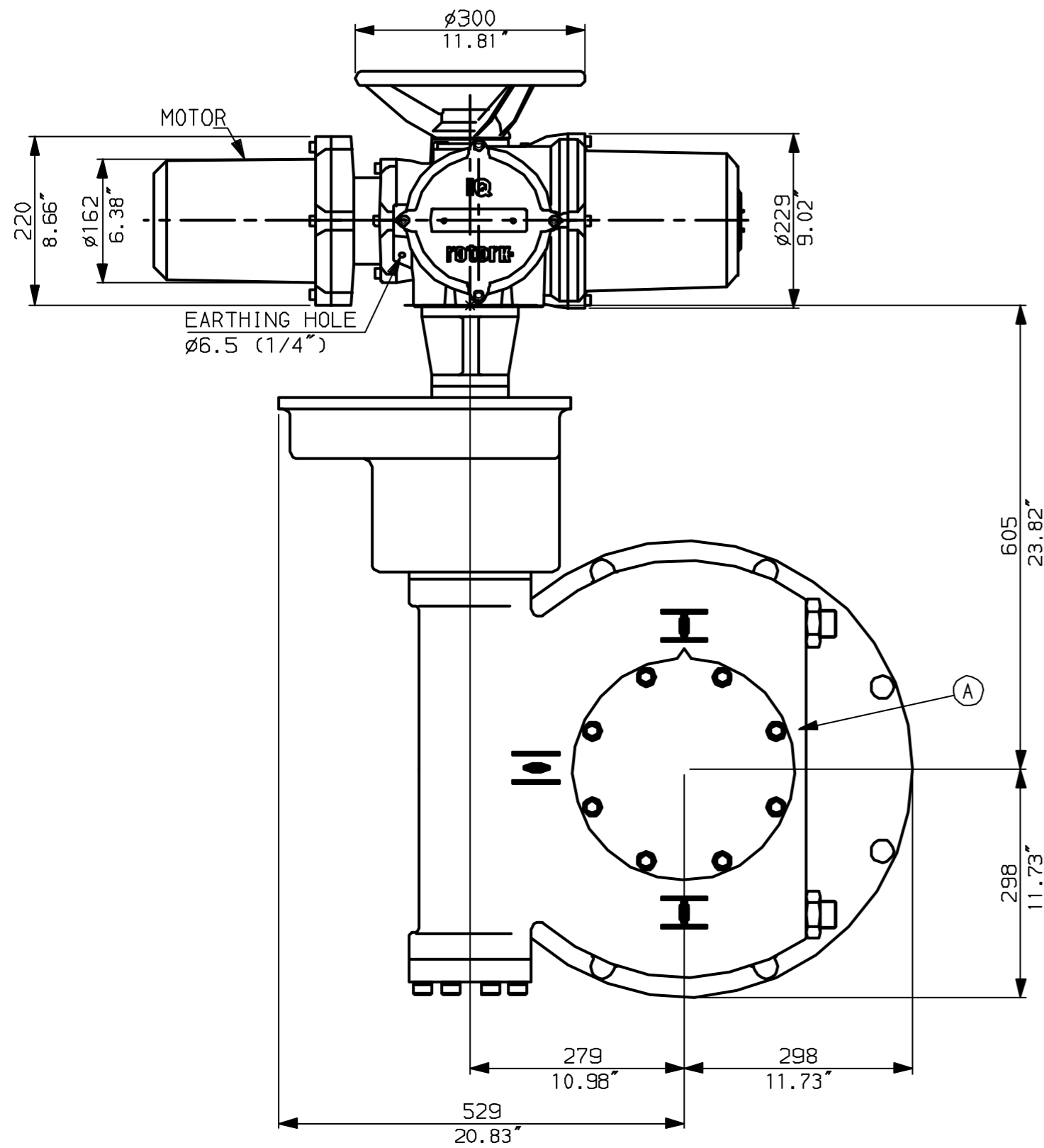


NOTES:
DIMENSIONS WITH '*' INDICATE
COVER REMOVAL ALLOWANCE
NETT WEIGHT = 333kg (733lbs)
OIL FILLER/DRAIN PLUG
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VALVE SHOULD CONFORM TO GOOD ENGINEERING
PRACTICES, ENSURING ADEQUATELY TOLERANCED
LIMITS FOR PARALLELISM, PERPENDICULARITY
AND CONCENTRICITY.

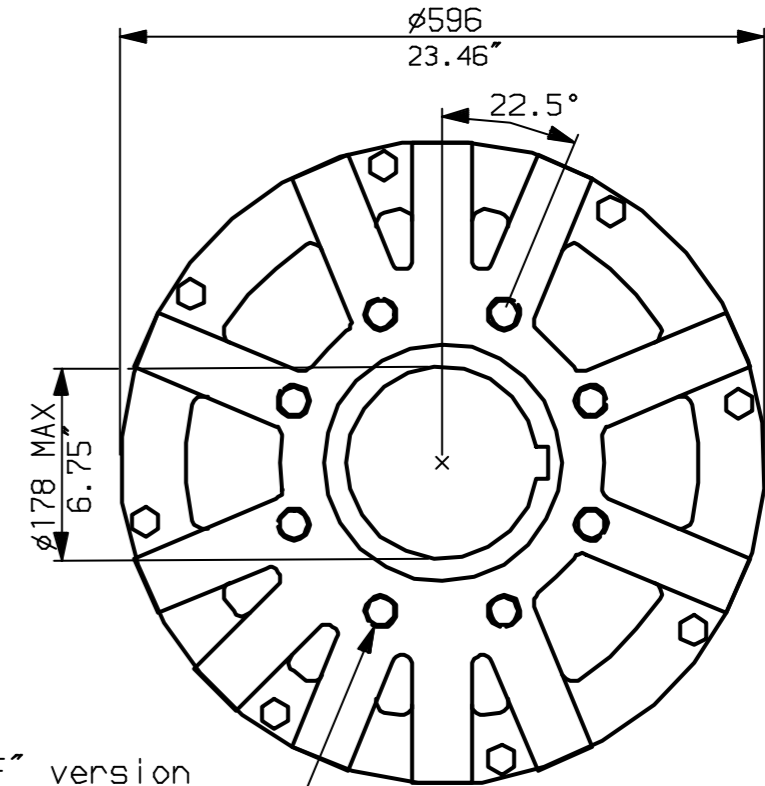
CONDUIT ENTRIES (N.T.S)



Nos.1 & 3 TAPPED 1" NPT
No.2 TAPPED 1 1/2" NPT
STD ALTERNATIVES IF SPECIFIED
2 X M25, 1 X M40
2 X PG16, 1 X PG29



N.B. KEYWAY POS. CAN BE MOVED IN
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MARKED (A) AND ROTATING OUTPUT
SLEEVE.



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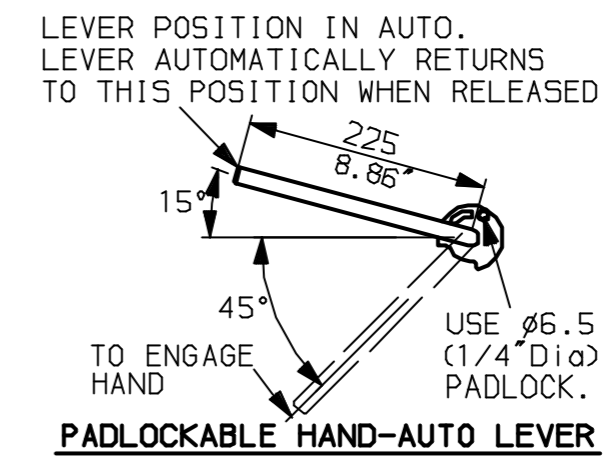
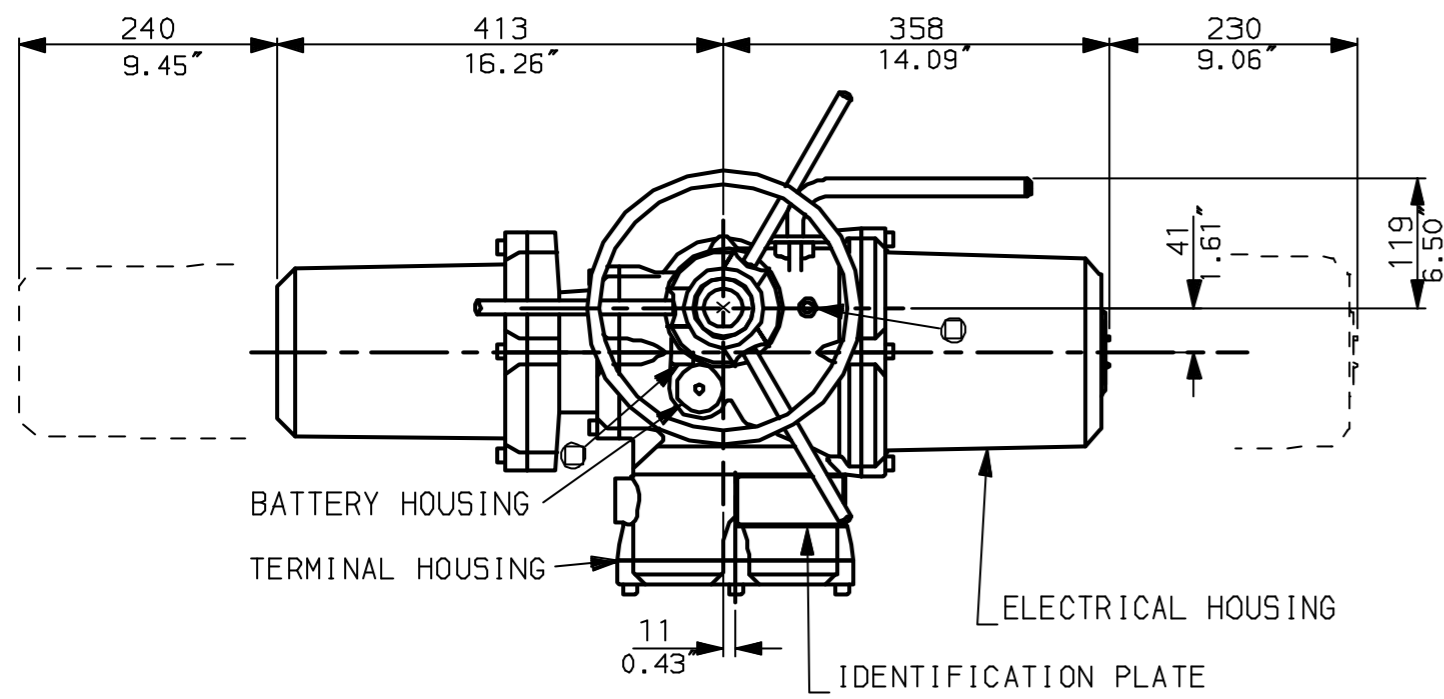
NOTE:
Gearbox is shown with HIGH Ratio Input Reducer.
(ie Ratios 960, 1080, 1440, 2160, 2520, 3000)
See Data Sheet with IW9RL for LOW ratio option.

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Rochester, NY 14624
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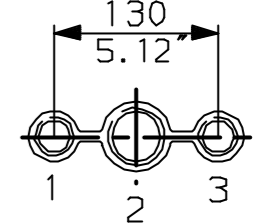
Title IQD10, 12, 18, THW, IW9Rh,		
STANDARD DIMENSIONAL DATA		
Drawn CAD	Checked PRE	Ref Data Sheet
Date April 04	Job No	IQD1THW_IW9Rh

01	First Issue.
Scale	1:7 THIRD ANGLE PROJECTION
Drawing Number	IQD1THW_IW9Rh

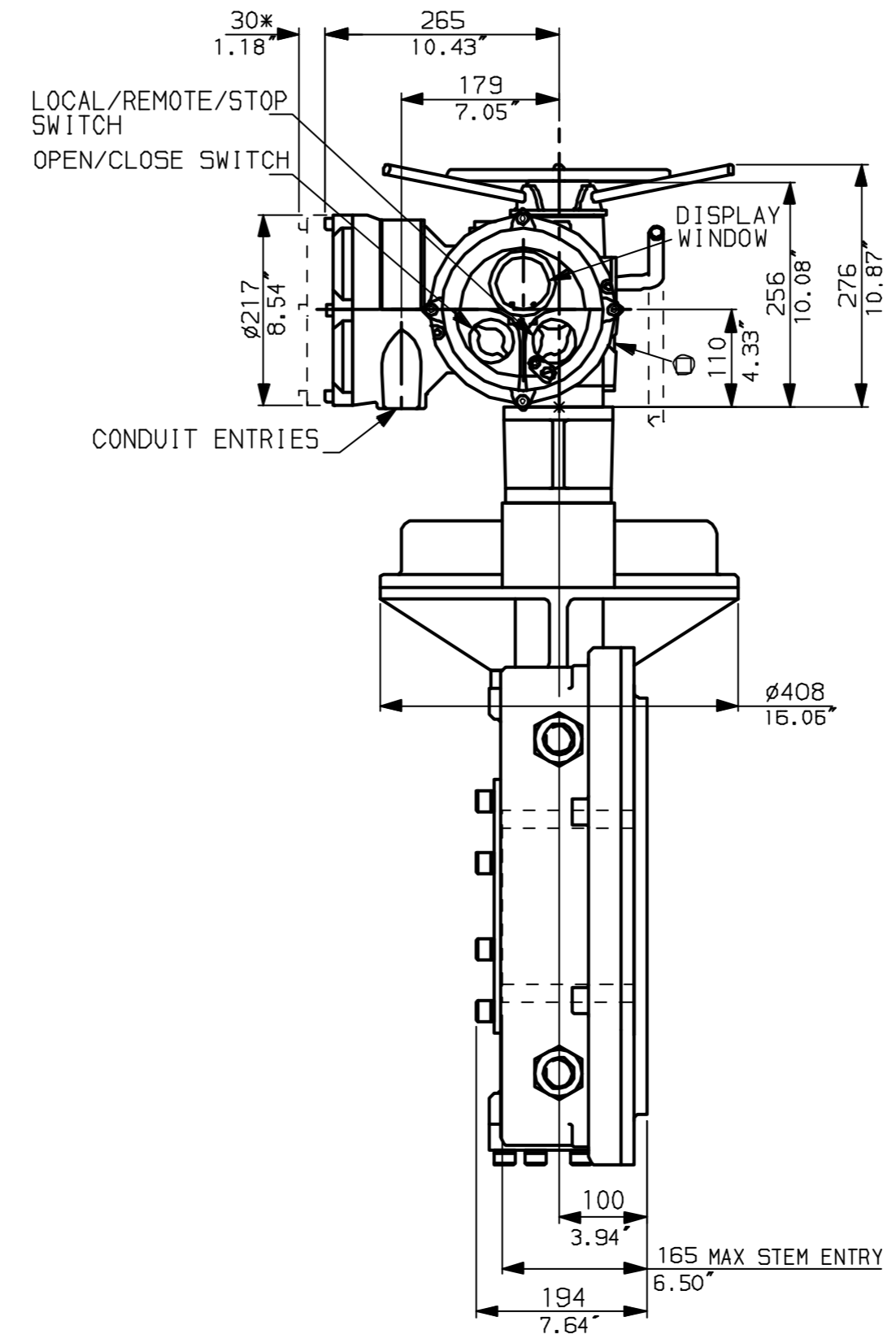
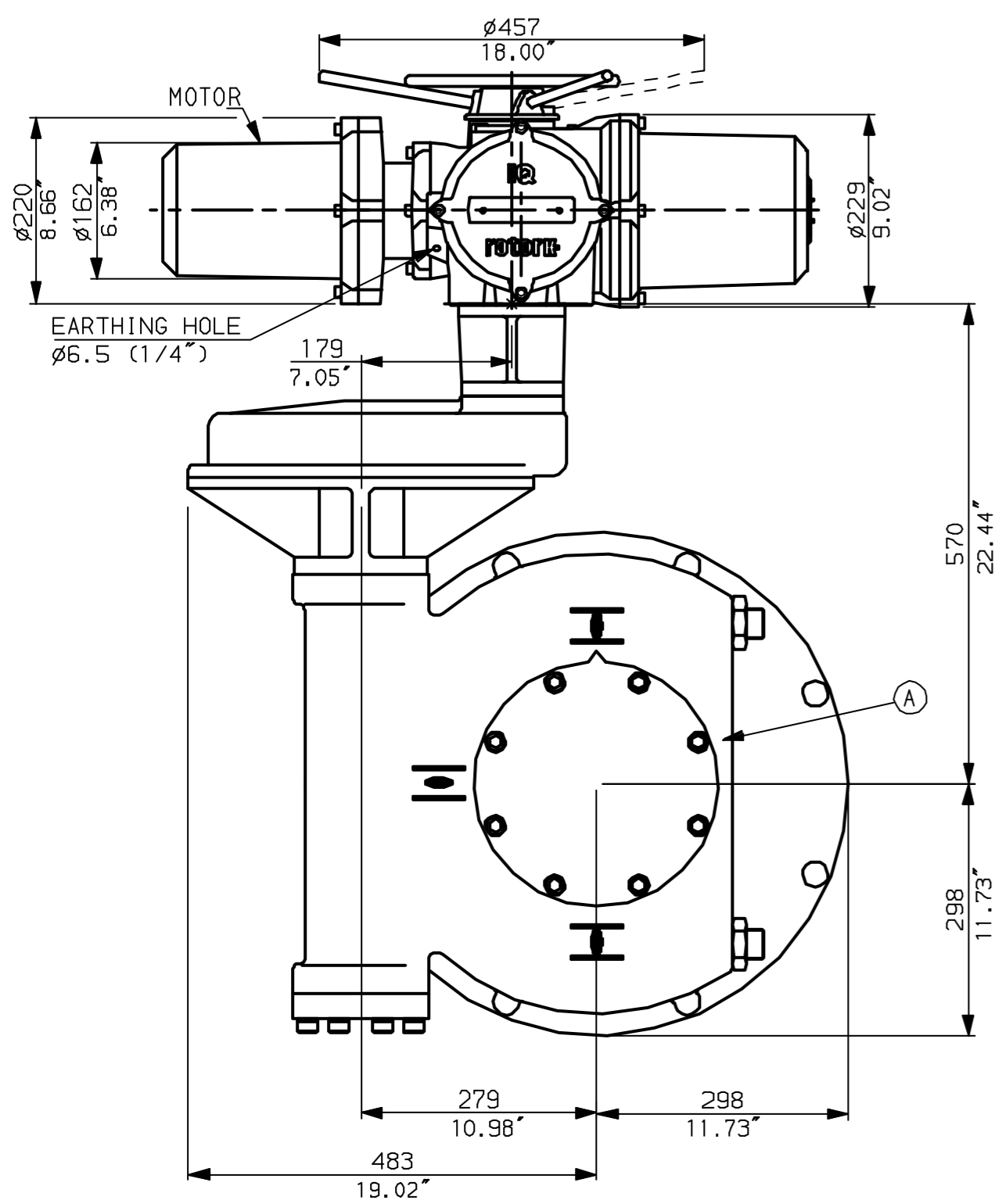


NOTES:
 * DIMENSIONS WITH '*' INDICATE COVER REMOVAL ALLOWANCE
 : NETT WEIGHT = 305kg (671 lbs)
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 : THE INTERFACE PROVIDED FOR MOUNTING THE ACTUATOR OR SECOND STAGE GEARBOX ONTO THE VALVE SHOULD CONFORM TO GOOD ENGINEERING PRACTICES, ENSURING ADEQUATELY TOLERANCED LIMITS FOR PARALLELISM, PERPENDICULARITY AND CONCENTRICITY.

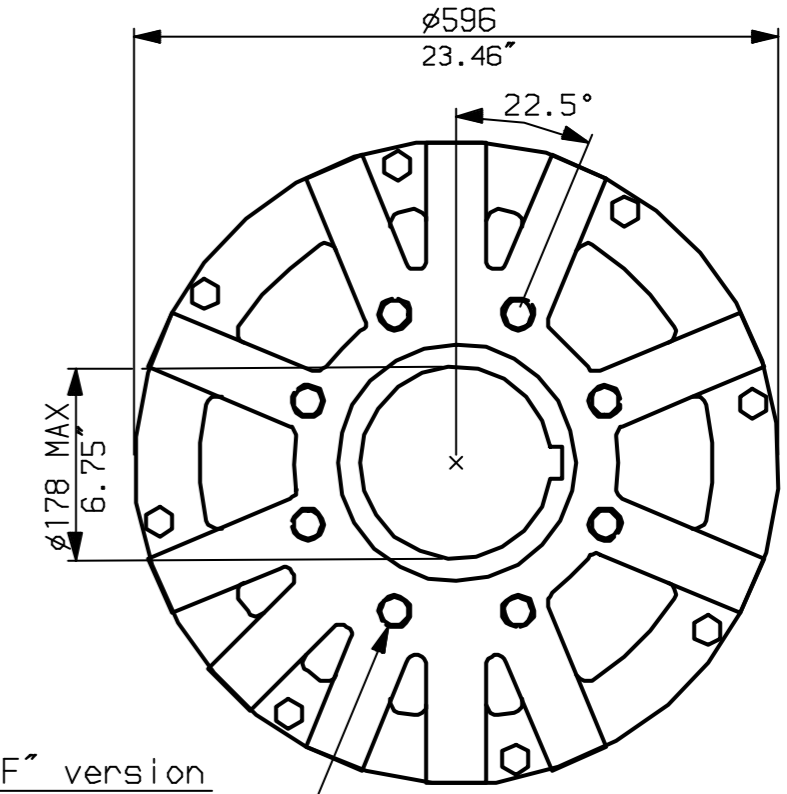
CONDUIT ENTRIES (N.T.S)



Nos.1 & 3 TAPPED 1" NPT
 No.2 TAPPED 1 1/2" NPT
 STD ALTERNATIVES IF SPECIFIED
 2 X M25, 1 X M40
 2 X PG16, 1 X PG29



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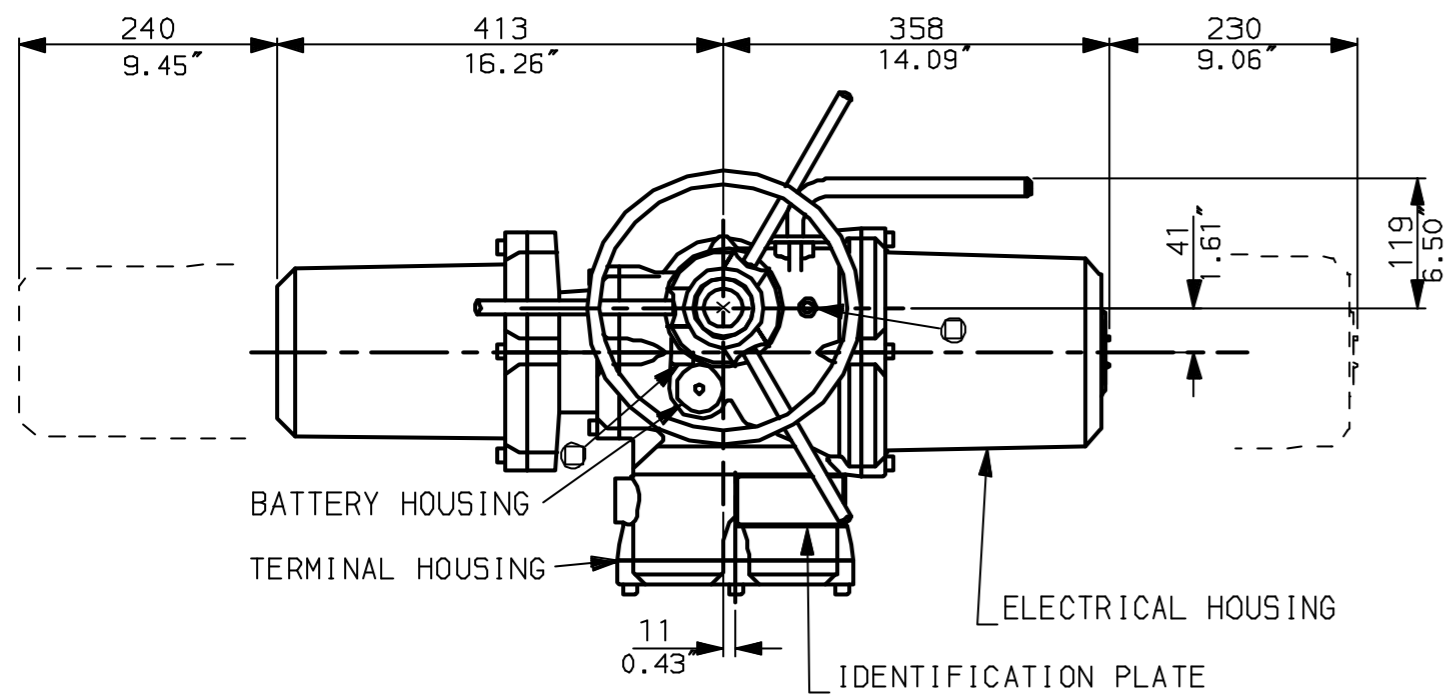
NOTE:
 Gearbox is shown with LOW Ratio Input Reducer.
 (ie Ratios 180, 240, 360, 480, 540, 720)
 See Data Sheet with IW9Rh for HIGH ratio option.



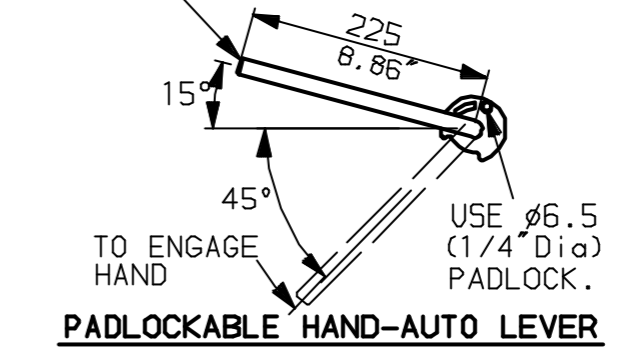
Rotork Controls Ltd.
 Bath England, BA1 3JQ.
 (Phone 01225-733200)
 Rotork Controls Inc.
 Rochester, NY 14624
 (Phone 585-328-1550)

Title IQD10, 12, 18, LTHW, IW9RL,		
STANDARD DIMENSIONAL DATA		
Drawn CAD	Checked PRE	Ref Data Sheet
Date April 04	Job No IQD1LTHW_IW9RL	

01	First Issue.
Scale 1:7	THIRD ANGLE PROJECTION
Drawing Number	IQD1LTHW_IW9RL

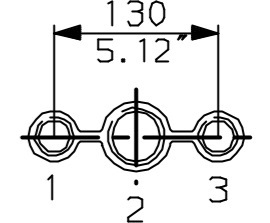


LEVER POSITION IN AUTO.
LEVER AUTOMATICALLY RETURNS
TO THIS POSITION WHEN RELEASED

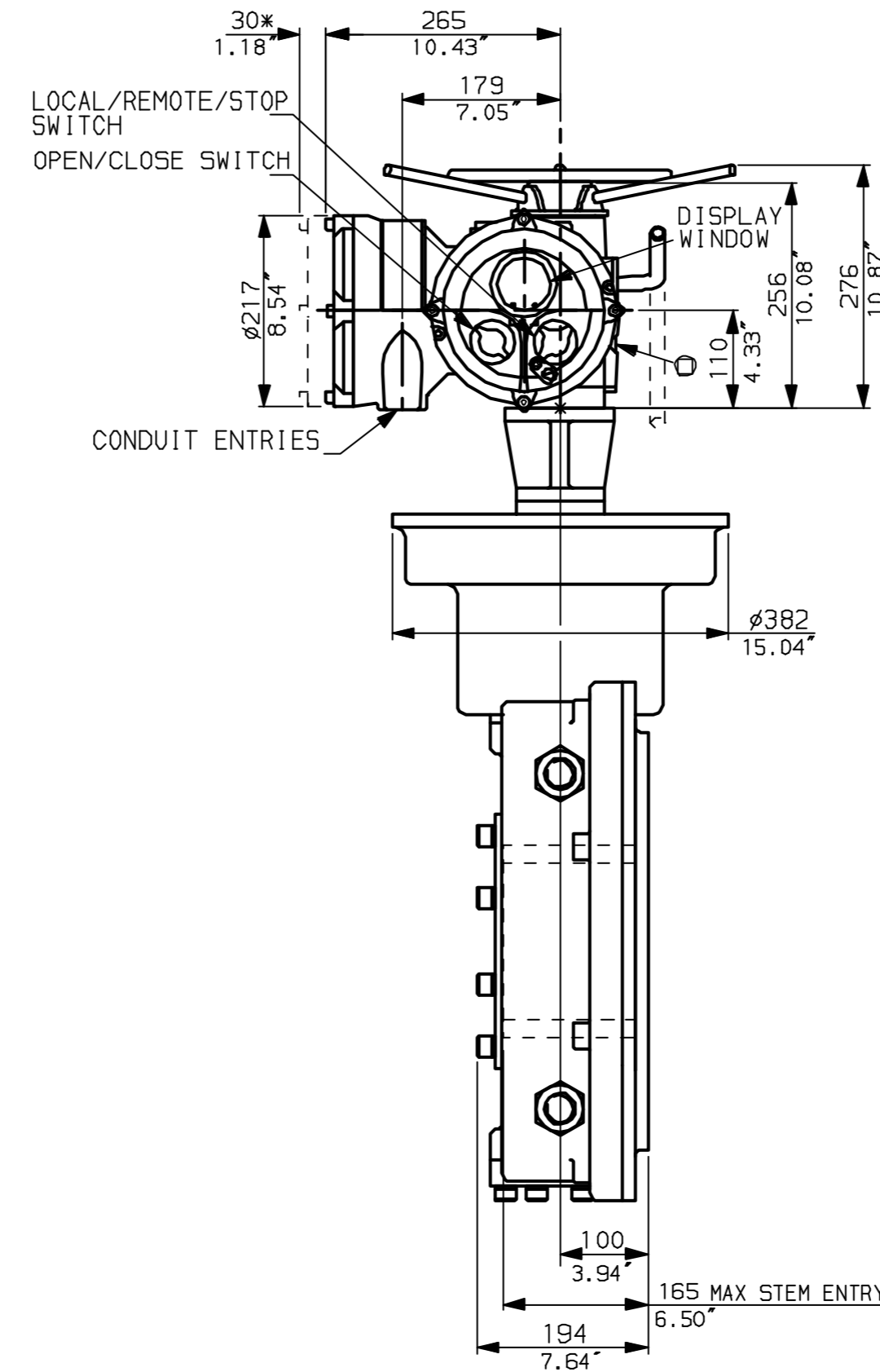
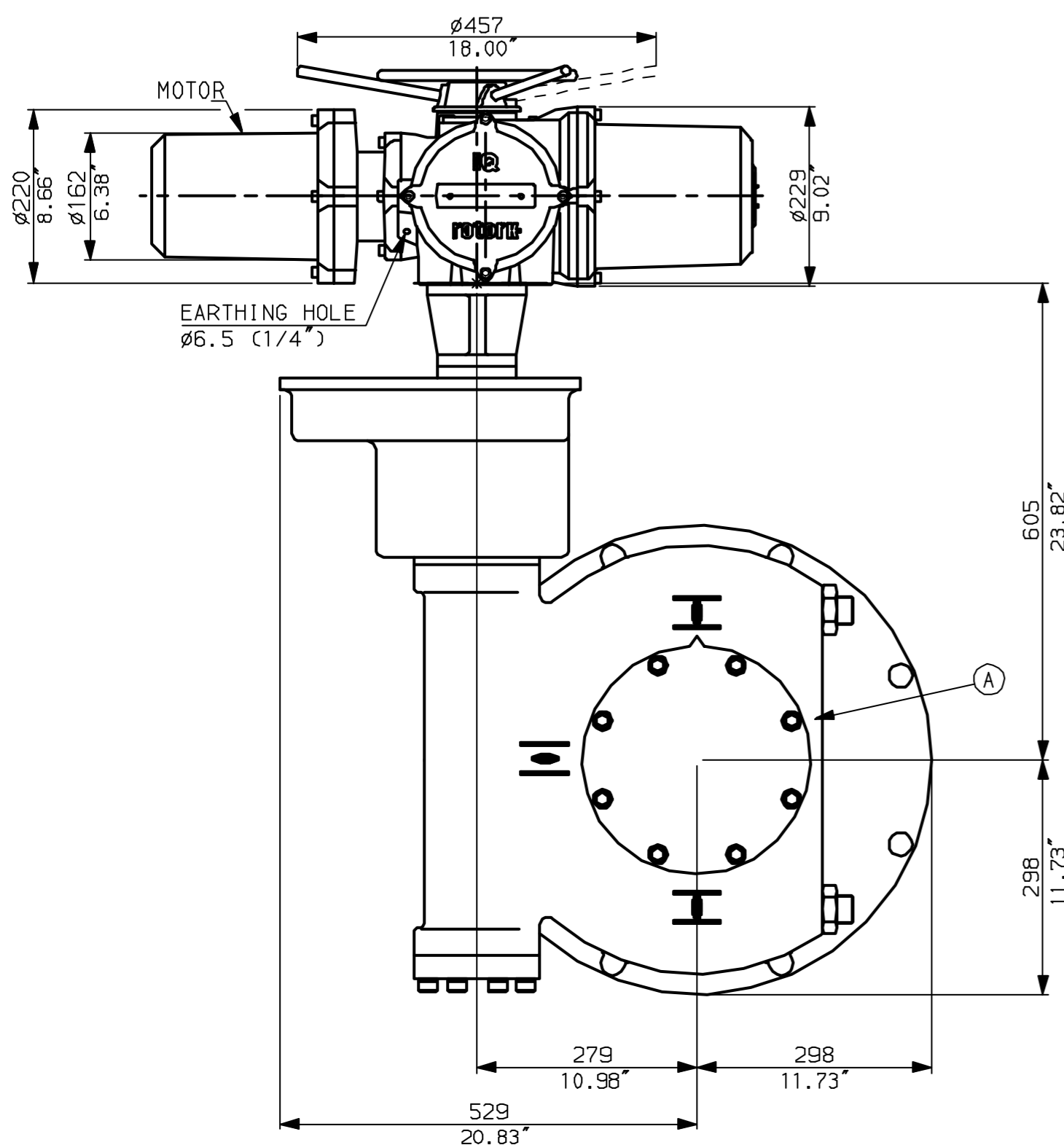


NOTES:
DIMENSIONS WITH '*' INDICATE COVER REMOVAL ALLOWANCE
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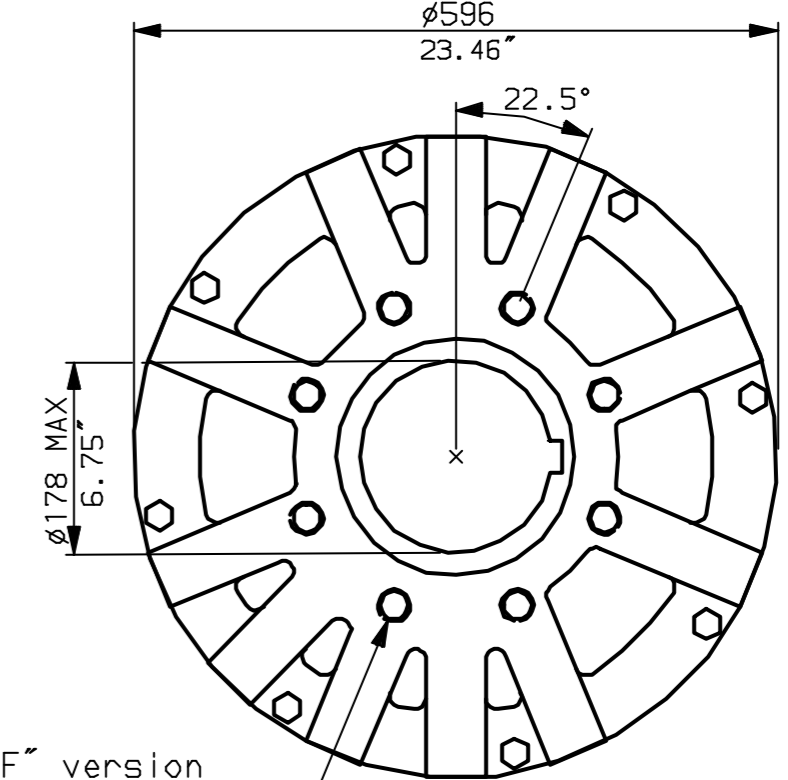
CONDUIT ENTRIES (N.T.S)



Nos.1 & 3 TAPPED 1" NPT
No.2 TAPPED 1 1/2" NPT
STD ALTERNATIVES IF SPECIFIED
2 X M25, 1 X M40
2 X PG16, 1 X PG29



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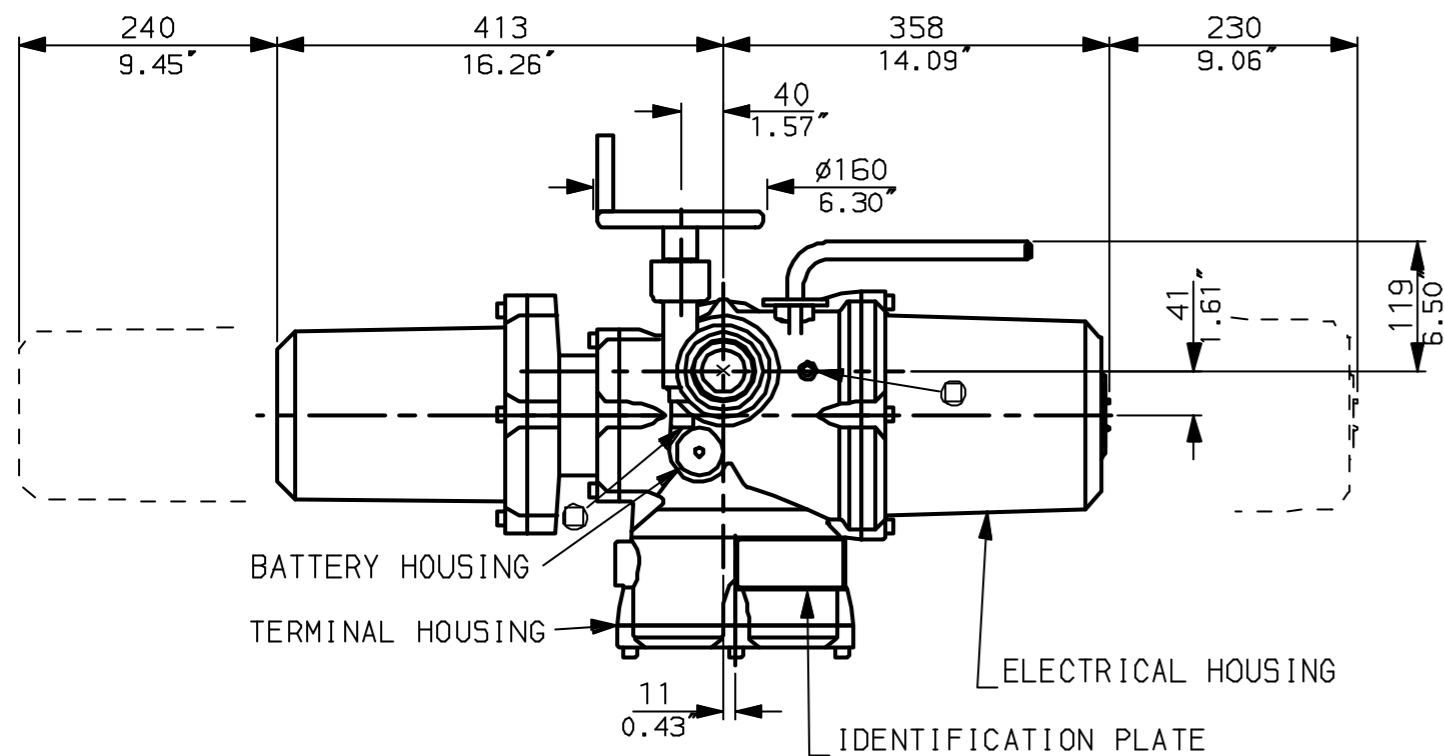
NOTE:
Gearbox is shown with HIGH Ratio Input Reducer.
(ie Ratios 960, 1080, 1440, 2160, 2520, 3000)
See Data Sheet with IW9RL for LOW ratio option.



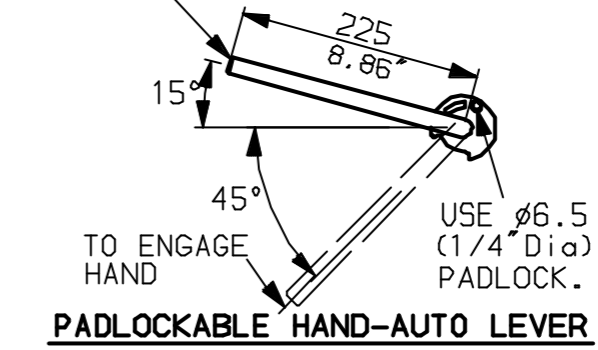
Rotork Controls Ltd.
Bath England, BA1 3JQ.
(Phone 01225-733200)
Rotork Controls Inc.
Rochester, NY 14624
(Phone 585-328-1550)

Title IQD10, 12, 18, LTHW, IW9Rh,		
STANDARD DIMENSIONAL DATA		
Drawn CAD	Checked PRE	Ref Data Sheet
Date April 04	Job No	IQD1LTHW_IW9Rh

01	First Issue.
Scale	1:7 THIRD ANGLE PROJECTION
Drawing Number	IQD1LTHW_IW9Rh

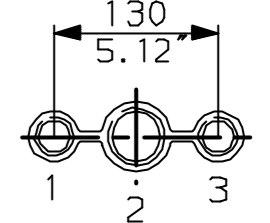


LEVER POSITION IN AUTO.
LEVER AUTOMATICALLY RETURNS
TO THIS POSITION WHEN RELEASED

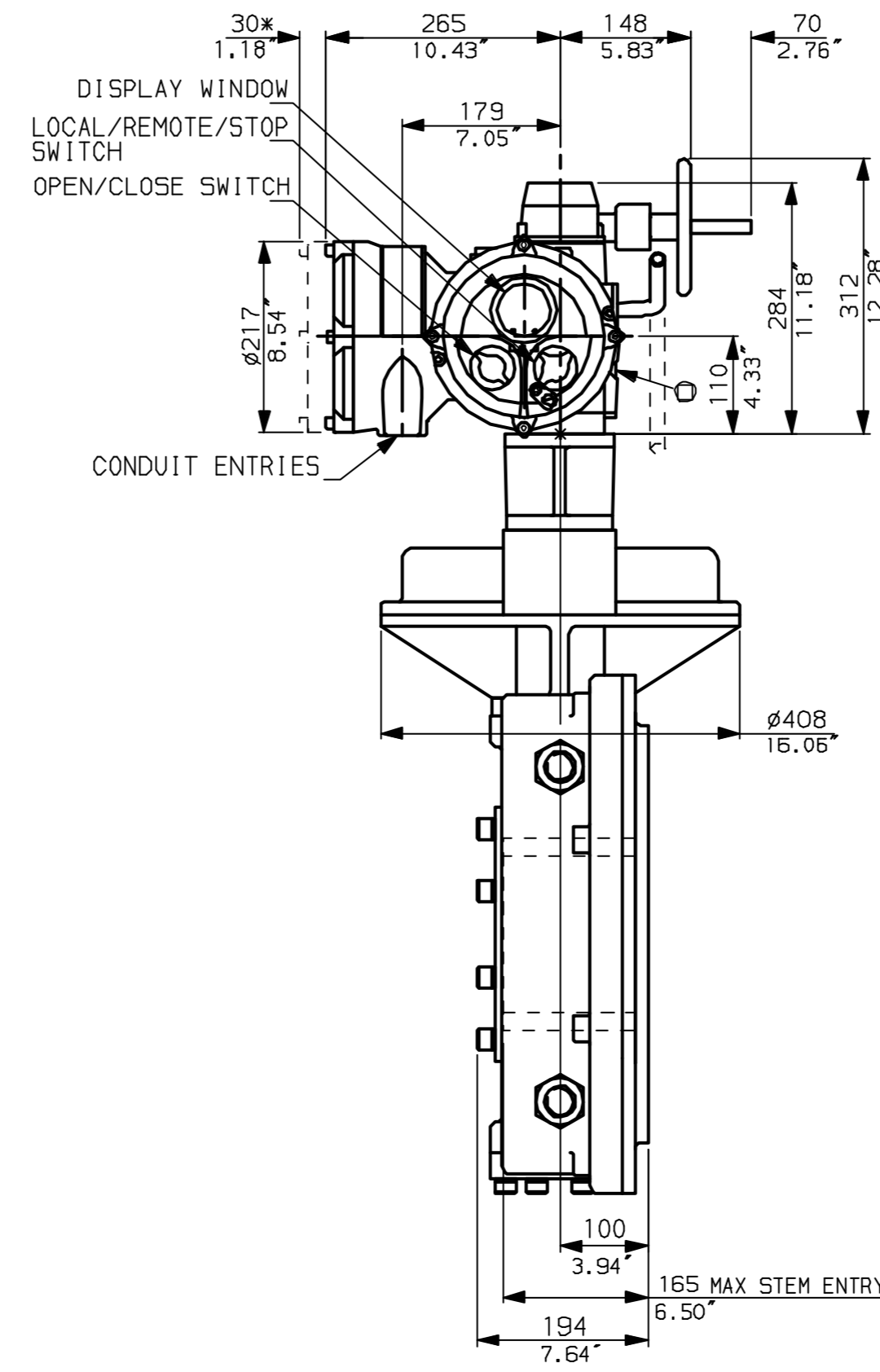
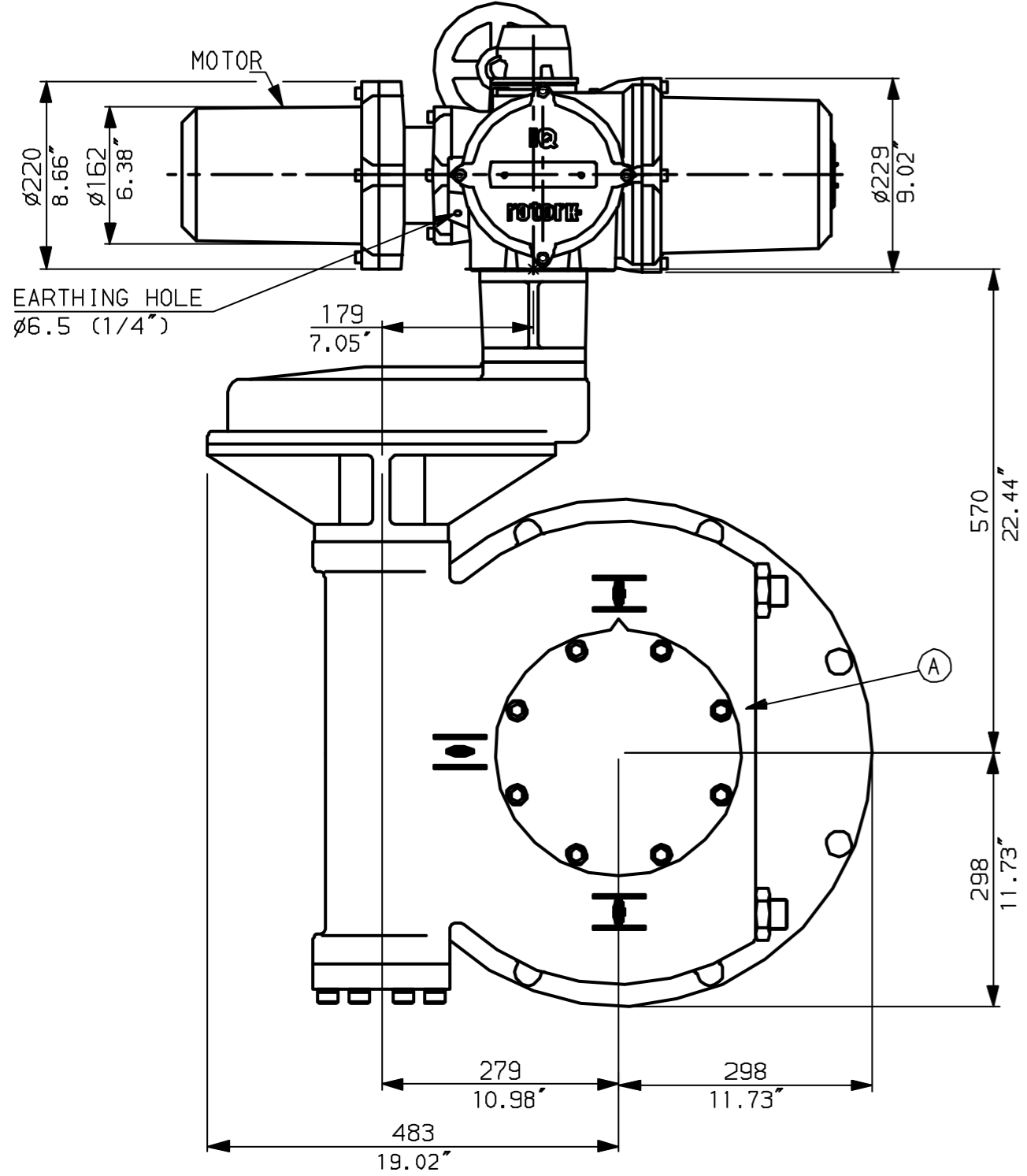


NOTES:
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LIMITS FOR PARALLELISM, PERPENDICULARITY
AND CONCENTRICITY.

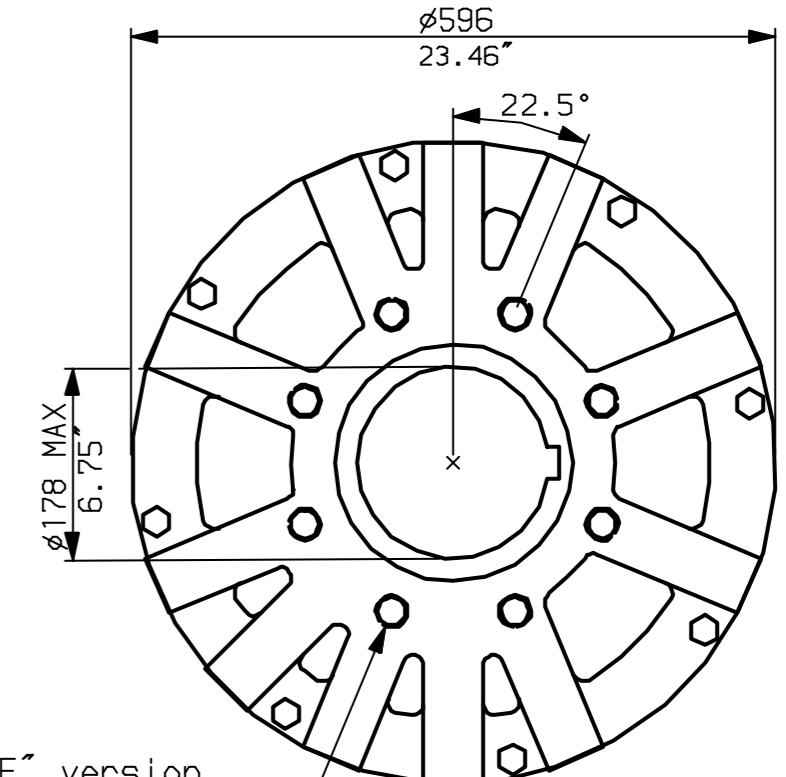
CONDUIT ENTRIES (N.T.S)



Nos.1 & 3 TAPPED 1" NPT
No.2 TAPPED 1 1/2" NPT
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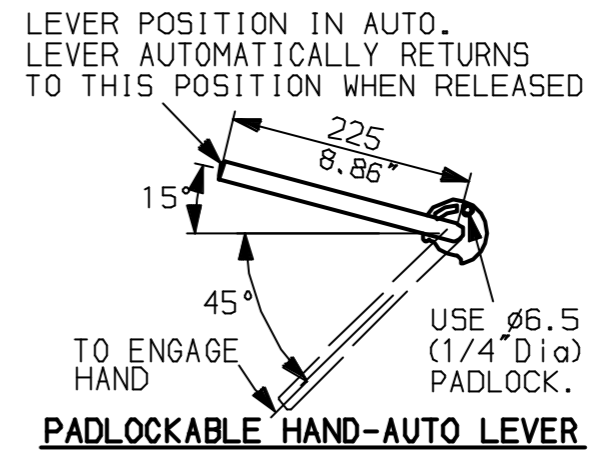
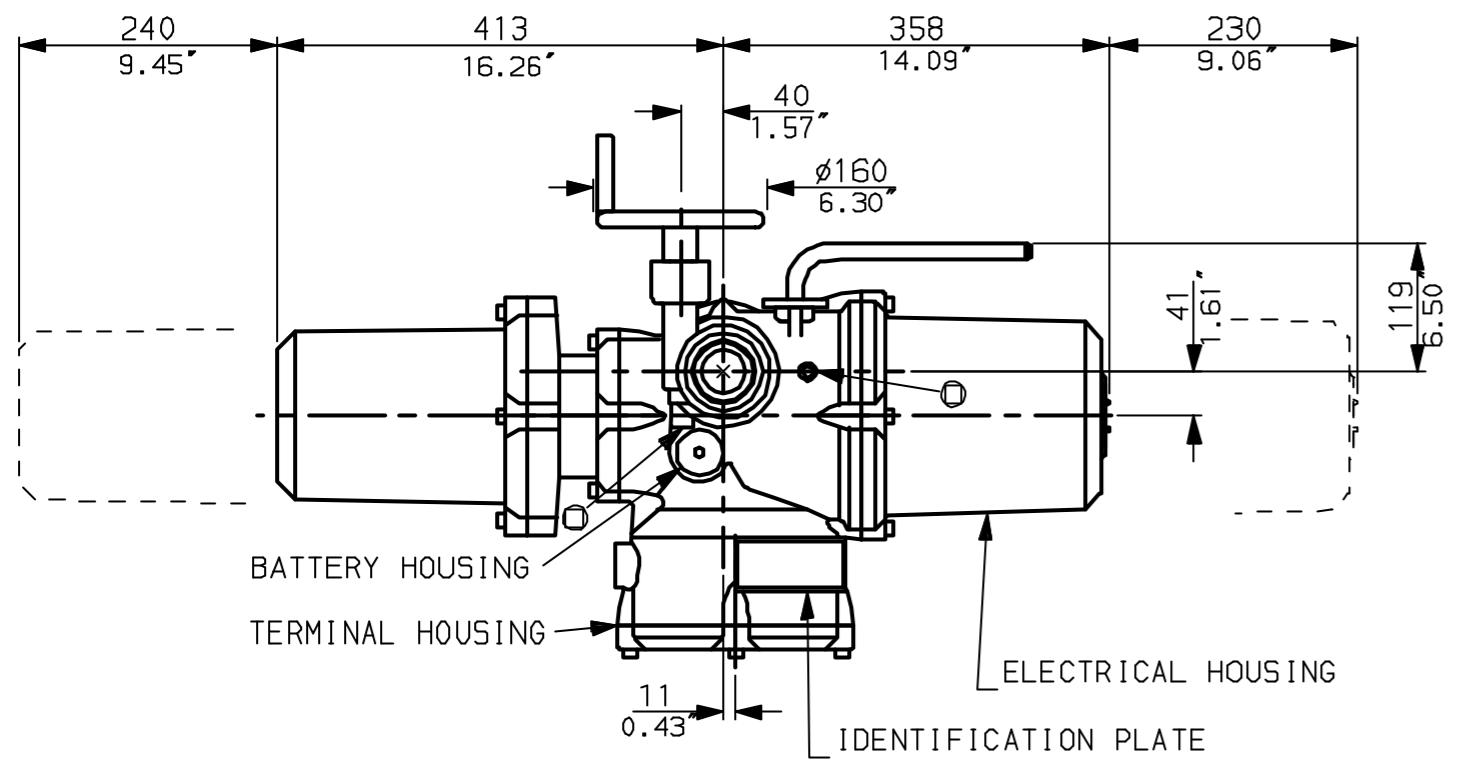
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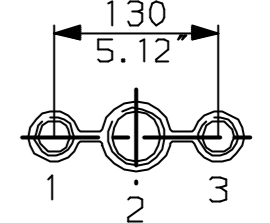
Title IQD10, 12, 18, SHW, IW9RL, STANDARD DIMENSIONAL DATA		
Drawn CAD	Checked PRE	Ref Data Sheet
Date April 04	Job No	IQD1SHW_IW9R

01 Issue	First Issue.
Scale	1:7 THIRD ANGLE PROJECTION
Drawing Number	IQD1SHW_IW9RL

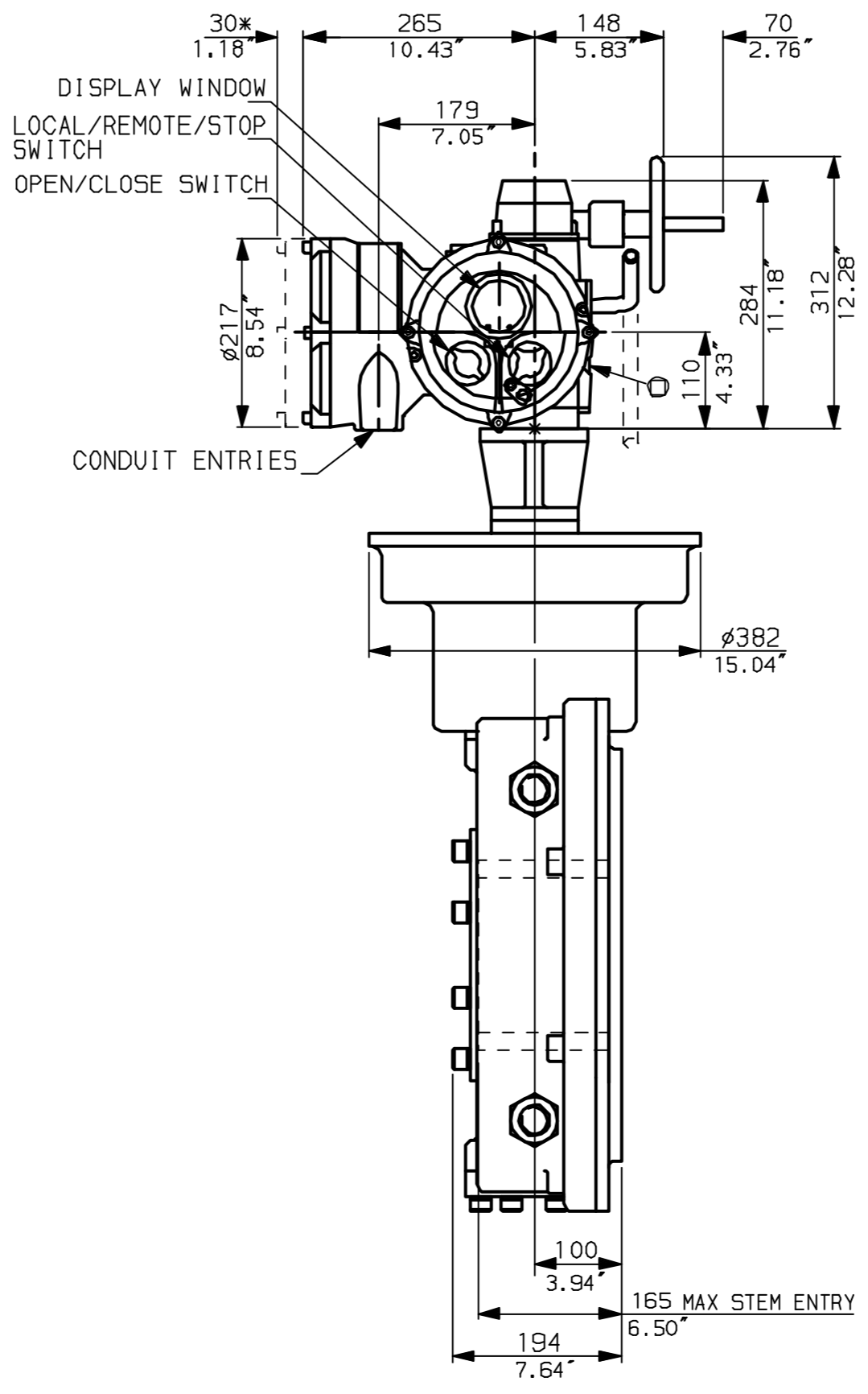
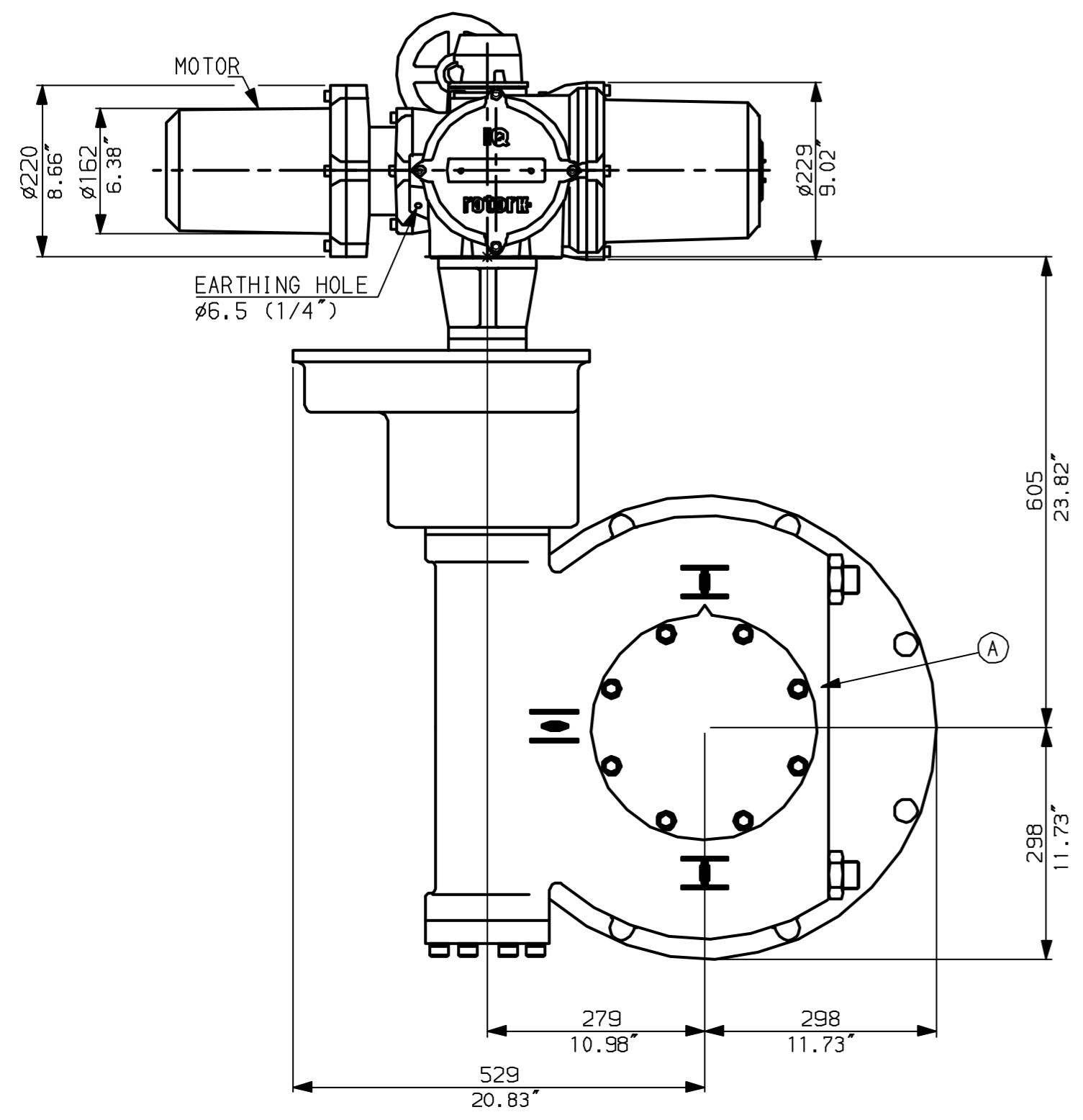


NOTES:
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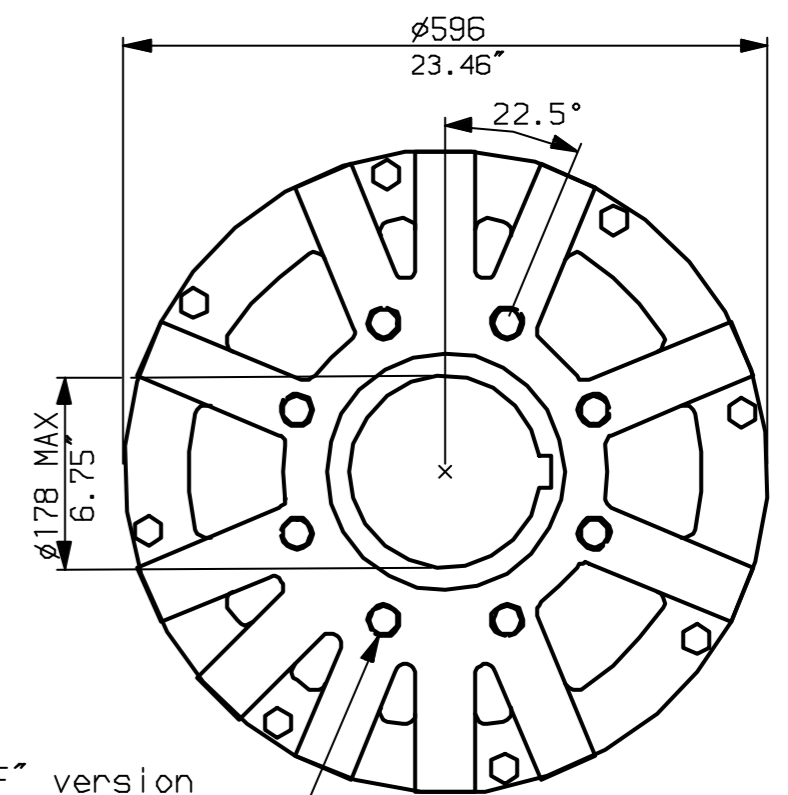
CONDUIT ENTRIES (N.T.S)



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 No.2 TAPPED 1 1/2" NPT
 STD ALTERNATIVES IF SPECIFIED
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Title IQD10, 12, 18, SHW, IW9Rh,		
STANDARD DIMENSIONAL DATA		
Drawn CAD	Checked PRE	Ref Data Sheet
Date April 04	Job No	IQD1SHW_IW9Rh

01	First Issue.
Scale	1:7 THIRD ANGLE PROJECTION
Drawing Number	IQD1SHW_IW9Rh