

NOTES:

1.


WEIGHT (APPROXIMATE)	
MODEL	WEIGHT
R4I (NO DRYER)	280kg
R5.5I (NO DRYER)	280kg
R5.5IE (NO DRYER)	280kg
R5.5N (NO DRYER)	285kg
R7.5I (NO DRYER)	280kg
R7.5N (NO DRYER)	285kg
R11I (NO DRYER)	295kg
R11N (NO DRYER)	305kg

CUSTOMER CONNECTION		
ITEM	DESCRIPTION	REMARKS
A	DISCHARGE AIR	3/4" INCH (FEMALE)
B	ELECTRICAL INLET	BLANK PLATE SUPPLIED
C	PACKAGE AIR INLET (COMPRESSOR)	
D	PACKAGE AIR EXHAUST (COMPRESSOR)	

REVISIONS						
ZONE	REV	ECN	DESCRIPTION	DATE	DRAWN	APPD
	A	790486	ORIGINAL RELEASE	2014APR04	N.AMBIKA	Z.WHITLEY
	B	960610	ADDED SHEET 6.	2014DEC15	N.KESHAHA	Z.WHITLEY
1-D8	C	974303	ADDED SHEET 7. IN NOTE 5 ADDED RECOMMENDED CLEARANCE FOR VSD PACKAGES.	2015JUL16	A.DHANA	Z.WHITLEY
1-D8 1-D6	D	1418676	NOTE 2 WAS COOLING AIRFLOW : 1950m ³ /h REARRANGE THE DETAILS OF WEIGHT , AIRFLOW AND CUSTOMER CONNECTION IN TABLE	2021JAN07	H.RAVIKUMAR	C.TOLER


2.

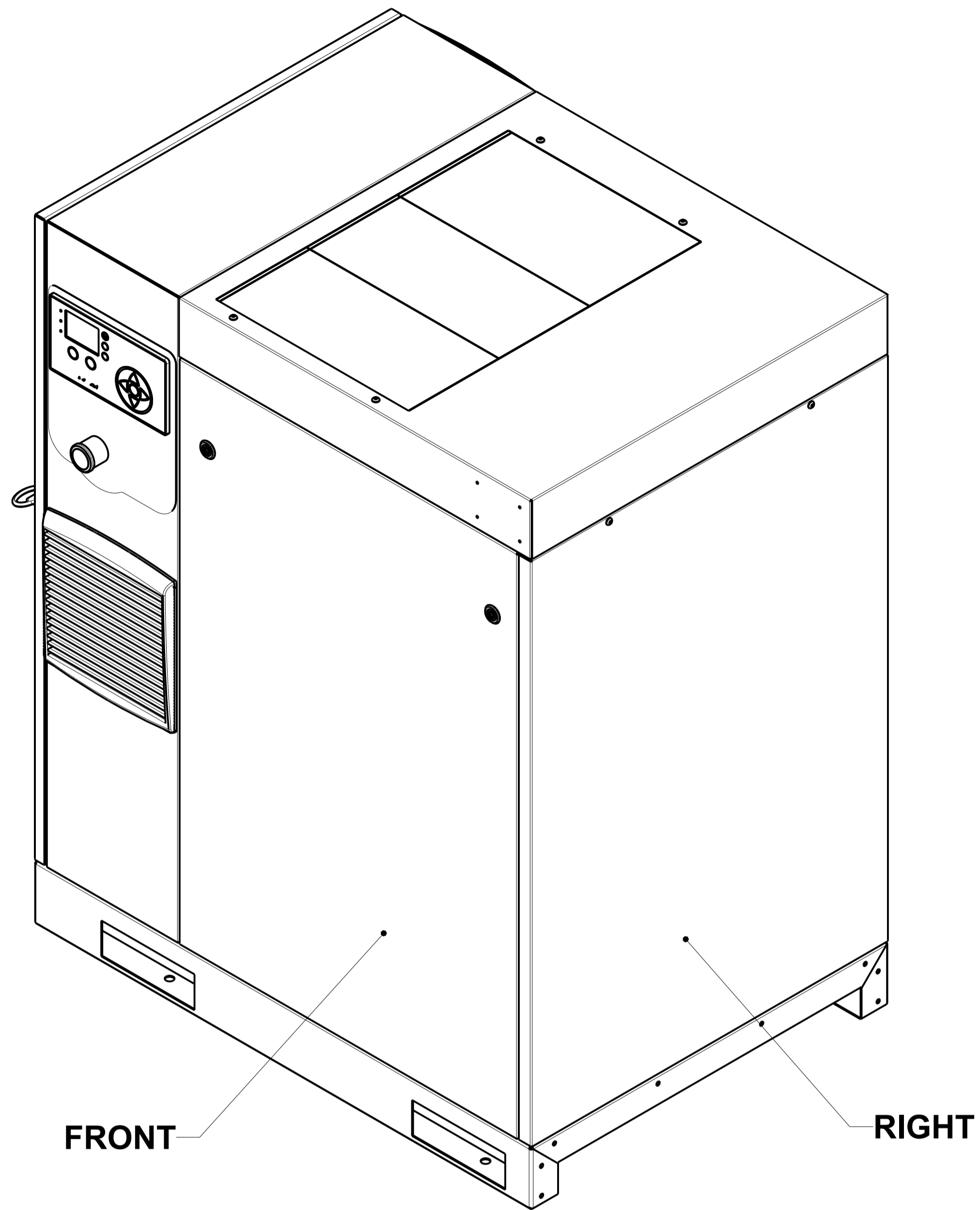
PACKAGE COOLING AIR FLOW REQUIREMENTS						
MODEL	AIRFLOW					
	COMPRESSOR		DRYER		COMBINED	
	CFM	m ³ /min	CFM	m ³ /min	CFM	m ³ /min
NON-TAS	1200	34	-	-	1200	34

- PIPE CONDENSATE DRAIN LINES SEPARATELY TO AN OPEN DRAIN DUE TO DIFFERENCES IN DRAIN PRESSURES. READ OPERATIONS MANUAL AND CHECK LOCAL REGULATIONS.
- LUBRICANT FILL QUANTITY: 5 LITERS
- RECOMMENDED CLEARANCE ON THREE SIDES 915MM (36 INCHES), ON SIDE WITH ELECTRICAL BOX OPENING 1067MM (42 INCHES) OR MINIMUM AS REQUIRED BY LATEST NATIONAL ELECTRICAL CODE OR APPLICABLE LOCAL CODES.
FOR VSD PACKAGES ONLY: ENSURE THAT A MINIMUM CLEARANCE OF 102 MM (4 INCHES) IS MAINTAINED IN FRONT OF THE PDM FILTER TO ALLOW ADEQUATE SPACE FOR MAINTENANCE.
- EXTERNAL PIPING SHOULD NOT EXERT ANY UNRESOLVED MOMENTS OR FORCES ON UNIT. USE PIPE OF EQUAL OR GREATER SIZE AT DISCHARGE LOCATION OF UNIT.
- THERE SHOULD BE NO PLASTIC OR PVC PIPING ATTACHED TO THIS UNIT OR USED FOR ANY LINES DOWNSTREAM.
- REMOVE THE ISOLATION MOUNT RESTRAINTS BEFORE THE INITIAL START. THE RESTRAINTS CAN BE DISCARDED.
- FIELD INSTALLED DUCTING TO AND FROM COMPRESSOR CANNOT ADD MORE THAN 6MM (.25 INCH) OF WATER TOTAL AIR RESISTANCE.
- UNIT HAS AN INTERNAL DISCHARGE CHECK VALVE, EXTERNAL CHECK VALVE NOT REQUIRED. ISOLATION VALVE REQUIRED WITHIN 915 MM (36 INCHES) OF THE COMPRESSOR DISCHARGE.
- COMPRESSOR SHOULD BE BOLTED TO THE FLOOR WITH FOUR M12 (1/2 INCH) BOLTS USING HOLES SHOWN ON SHEET 4. SEAL BASE TO FLOOR WITH CORK OR RUBBER.
- DO NOT PIPE INTO A COMMON HEADER WITH A RECIPROCATING COMPRESSOR. UNLESS RECIP COMPRESSOR UTILIZES A DISCHARGE PULSATION DAMPENER.
-  DENOTES CENTER OF GRAVITY.
- SIZING OF ELECTRICAL COMPONENTS NOT SUPPLIED BY INGERSOLL-RAND IS THE RESPONSIBILITY OF THE CUSTOMER AND SHOULD BE DONE IN ACCORDANCE WITH THE INFORMATION ON THE COMPRESSOR DATA PLATE, NATIONAL AND LOCAL ELECTRIC CODES.
- A BLANK GLAND PLATE IS PROVIDED FOR ELECTRICAL POWER INLET AS INDICATED.
- WHEN INSTALLED INDOORS IN A CONFINED SPACE, THE COOLING AIR INLET OR EXHAUST MUST BE DUCTED AWAY FROM UNIT TO PREVENT RECIRCULATION OF HOT EXHAUST AIR.

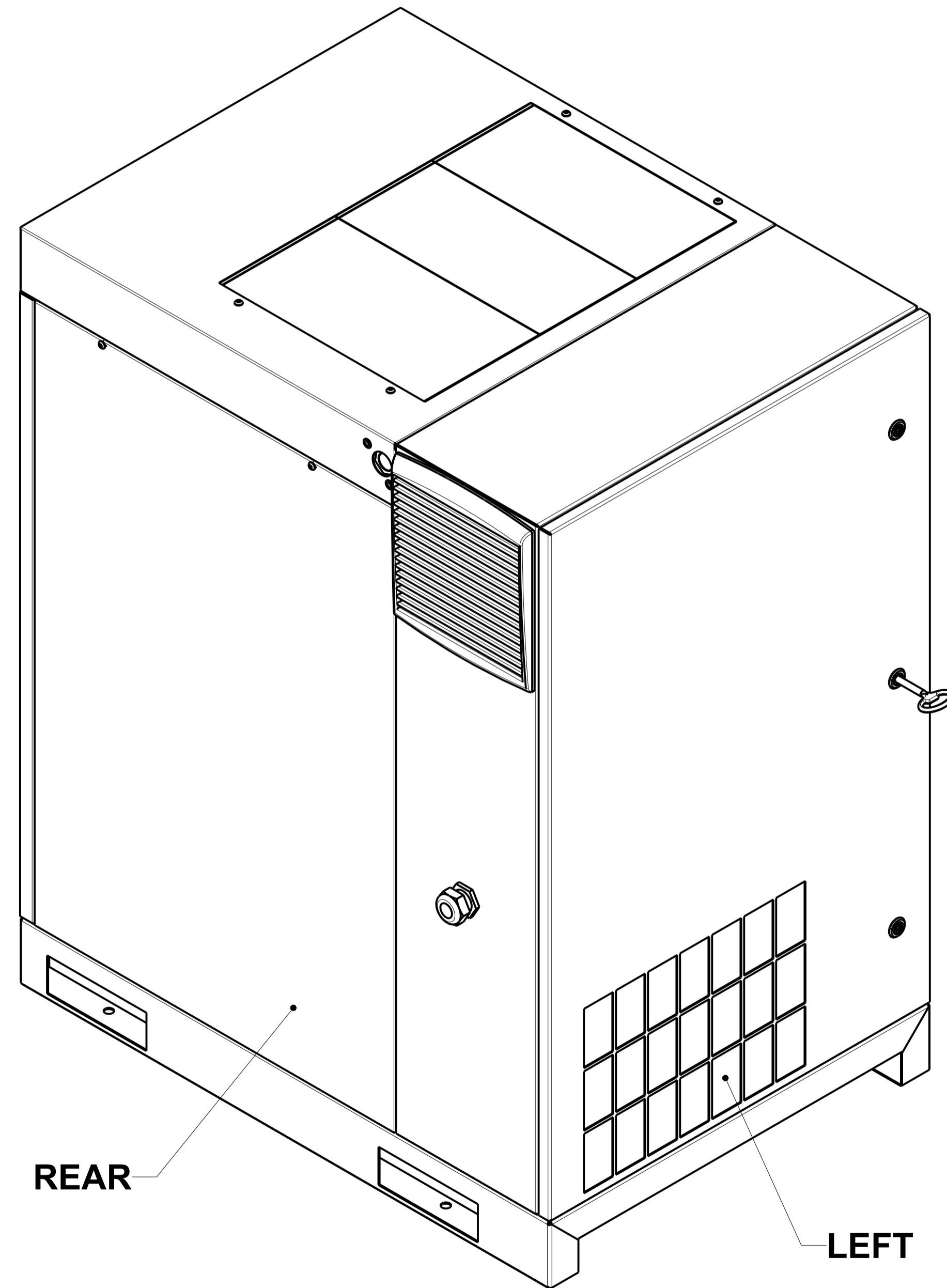
CONNECTION LEGEND

- ALL 60 Hz CONNECTIONS ARE NPT (UNLESS SPECIFIED OTHERWISE)
- ALL 50 Hz CONNECTIONS ARE BSPT (UNLESS SPECIFIED OTHERWISE)

GENERAL ARRANGEMENT TOLERANCES ALL DIMENSIONS ARE IN MILLIMETERS [INCHES (IF SHOWN)] UNSPECIFIED TOLERANCES: WHOLE : ±13.0[.50] X : ±6.0[.25] ANGLES : ±1°		WARNING: THE EXPORT OR REEXPORT OF THIS DRAWING OR A PRODUCT PRODUCED BY THIS DRAWING IS SUBJECT TO U.S. EXPORT ADMINISTRATION REGULATIONS AND OTHER APPLICABLE GOVERNMENT RESTRICTIONS OR REGULATIONS. PROPRIETARY NOTICE THIS DRAWING CONTAINS CONFIDENTIAL AND TRADE SECRET INFORMATION, IS THE PROPERTY OF INGERSOLL-RAND CO., AND IS GIVEN TO THE RECEIVER IN CONFIDENCE. THE RECEIVER BY RECEPTION AND RETENTION OF THE DRAWING ACCEPTS THE DRAWING IN CONFIDENCE AND AGREES THAT, EXCEPT AS AUTHORIZED IN WRITING BY INGERSOLL-RAND CO. IT WILL (1) NOT USE THE DRAWING OR ANY COPY THEREOF OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; (2) NOT COPY THE DRAWING; (3) NOT DISCLOSE TO OTHERS EITHER THE DRAWING OR THE CONFIDENTIAL OR TRADE SECRET INFORMATION THEREIN; AND (4) UPON COMPLETION OF THE NEED TO RETAIN THE DRAWING, OR UPON DEMAND, RETURN THE DRAWING, ALL COPIES THEREOF, AND ALL MATERIAL COPIED THEREFROM.		DO NOT SCALE DRAWING DRAWING CONFORMS TO ASME Y14.5M - 1994 CAD GENERATED DRAWING, NO MANUAL REVISIONS ALLOWED UNLESS OTHERWISE SPECIFIED: - REMOVE ALL BURRS AND SHARP CORNERS - WELD SYMBOLS TO BE IN ACCORDANCE WITH ANSI/AWS A2.4 COPYRIGHT © 2021 Ingersoll Rand ALL RIGHTS RESERVED		THIRD ANGLE PROJECTION DRAWN: N.AMBIKA DATE: 2014APR04 CHECKED: Z.WHITLEY DATE: 2014APR04 APPROVED: Z.WHITLEY DATE: 2014APR04 DRAWING TYPE: General Arrangement Drawing NOMENCLATURE:		 GENERAL ARRANGEMENT, R4-11KW STANDARD BASE NAME: GENERAL ARRANGEMENT, R4-11KW STANDARD BASE SIZE: A1 ESTIMATED WEIGHT (KG UNLESS OTHERWISE SPECIFIED): SEE NOTE 1 DWG NO.: 24187775 REVISION: D SCALE: 0.20 MODEL: R4 - 11KW SHEET: 1 OF 7	
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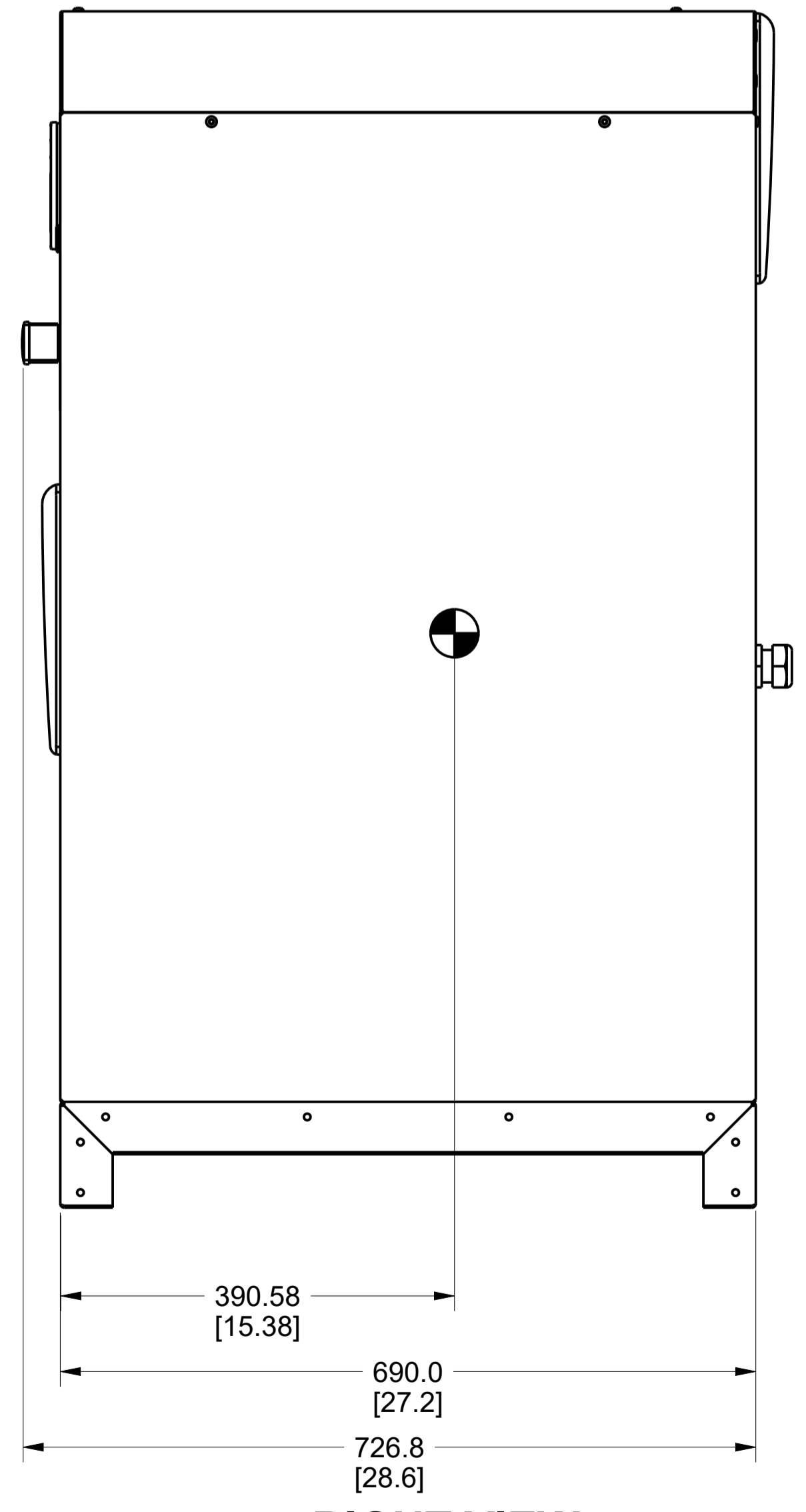
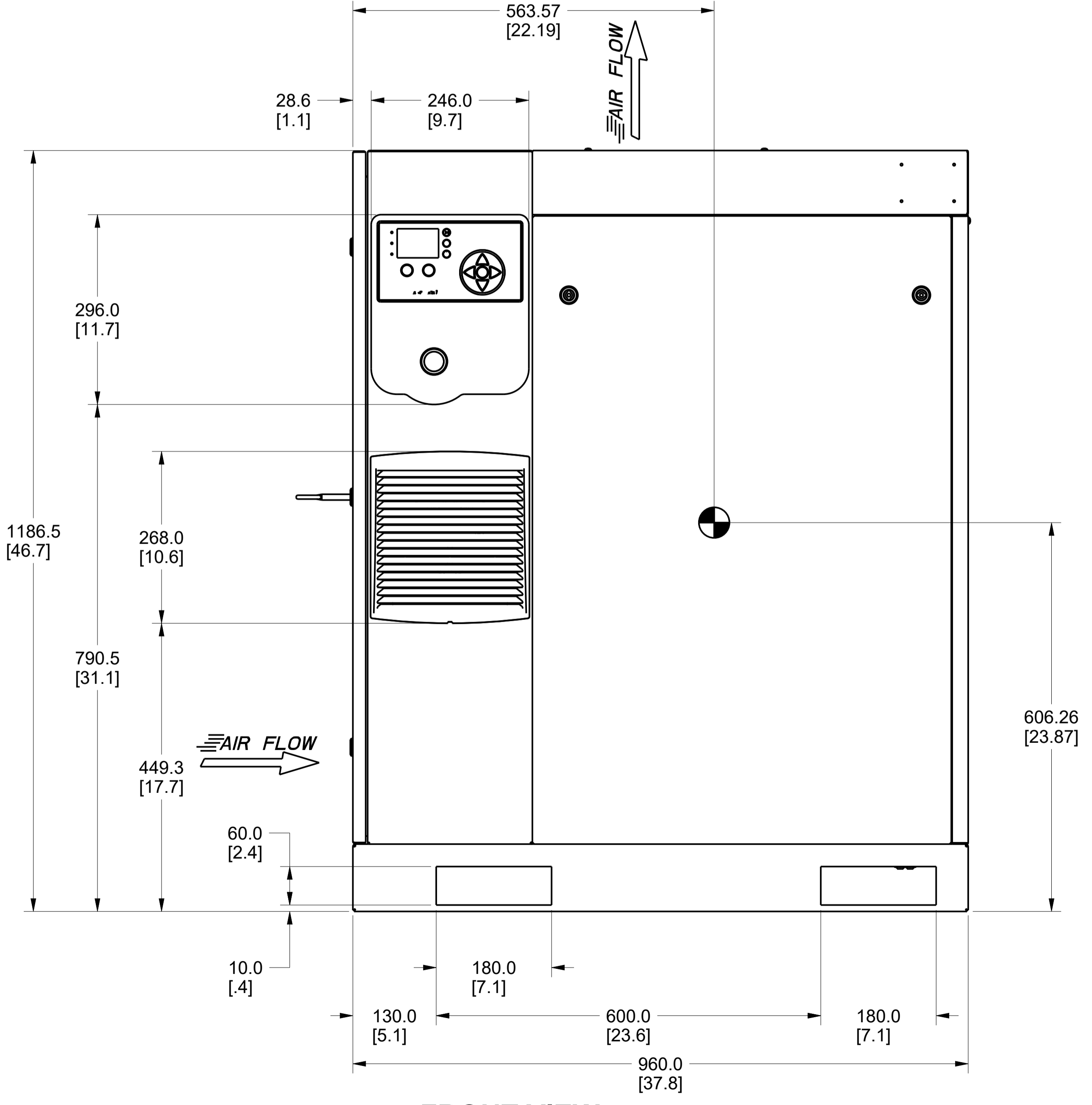
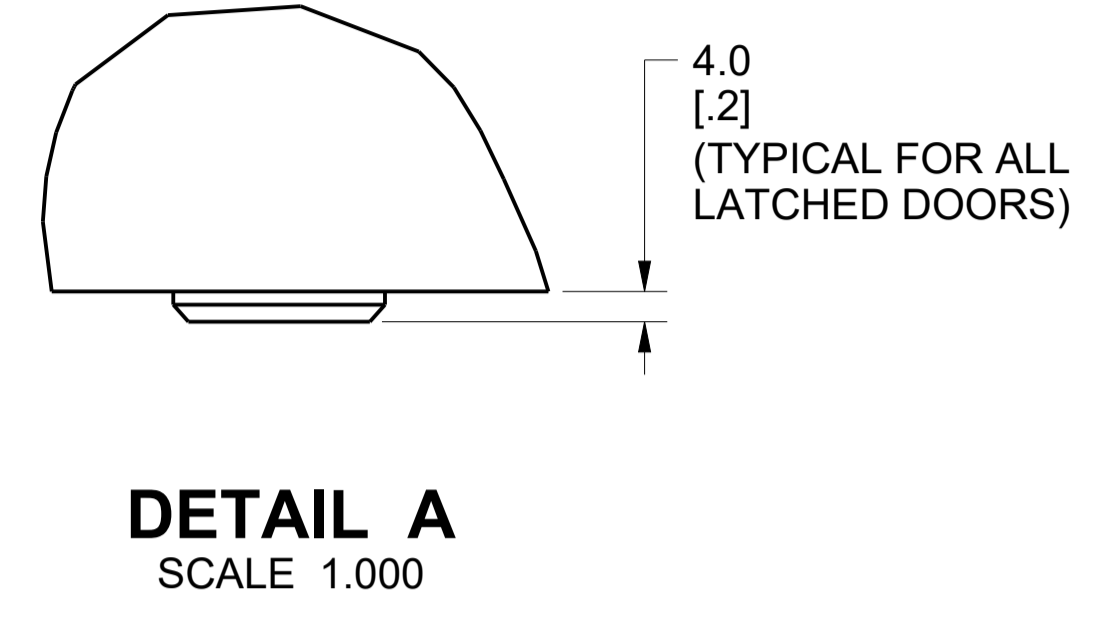
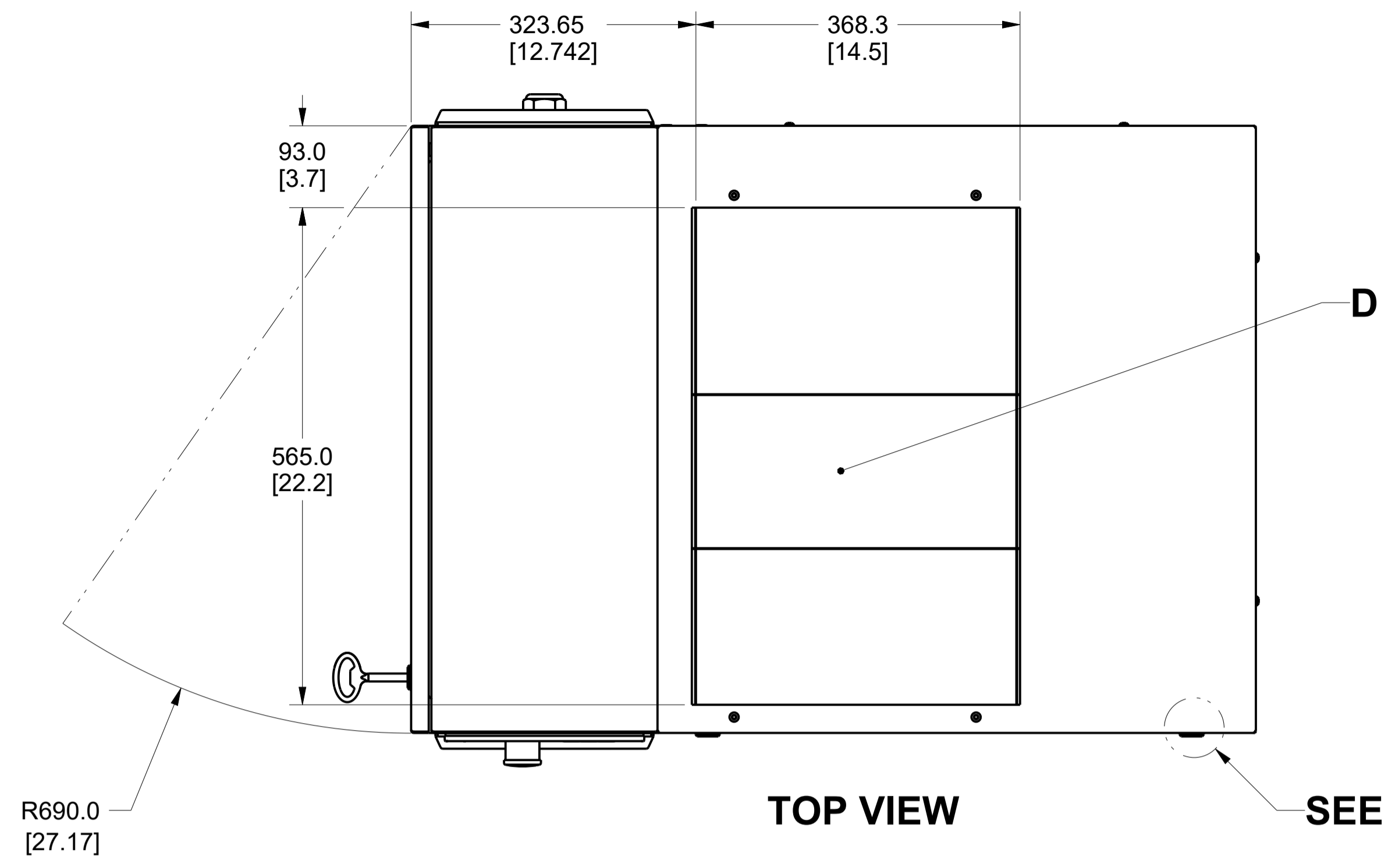
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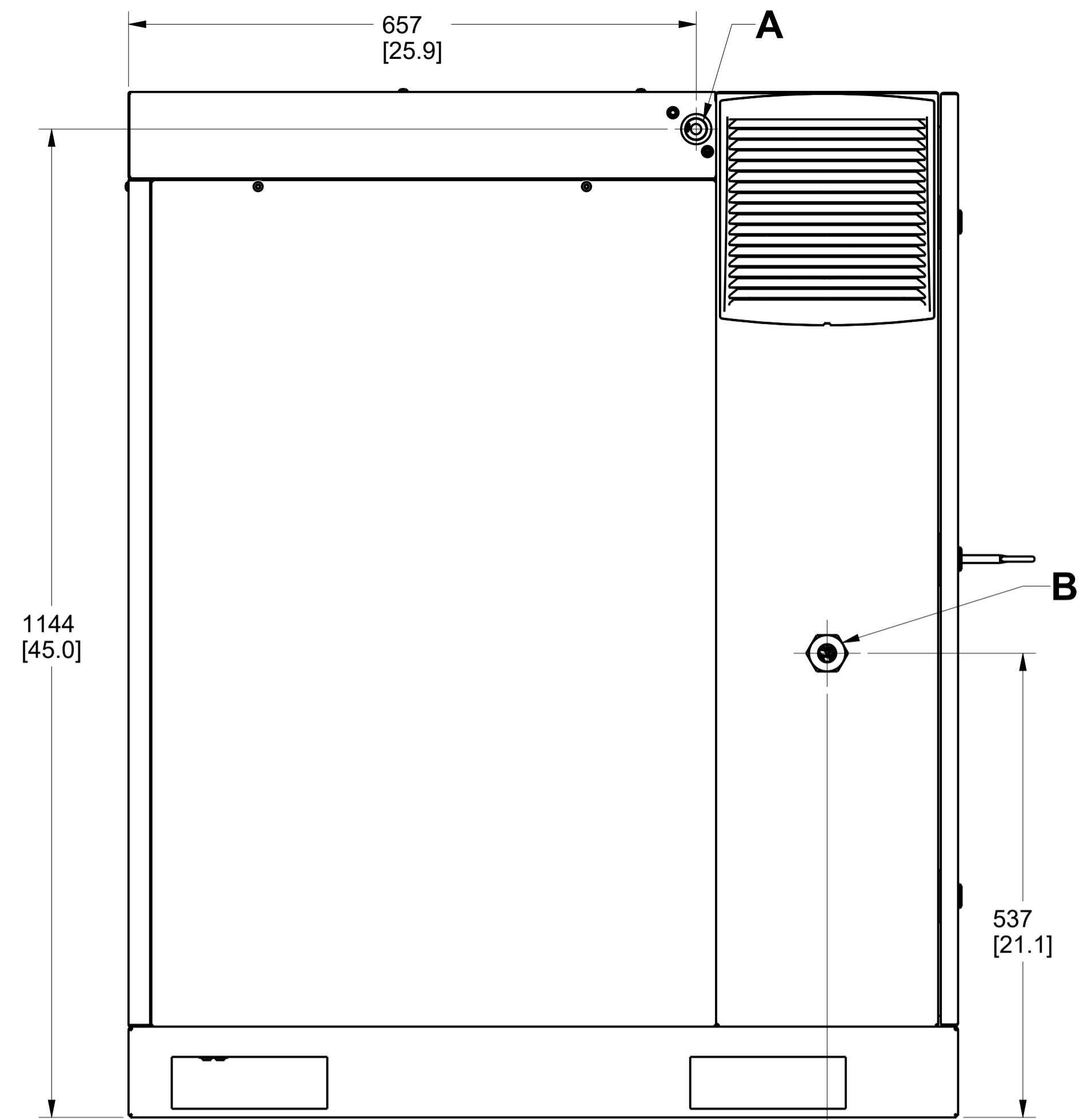
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<small>SIZE</small>	<small>DWG NO.</small>	<small>PART NO.</small>	<small>REVISION</small>
A1		24187775	D
<small>SCALE</small>	<small>NOMENCLATURE</small>	<small>SHEET</small>	<small>2 OF 7</small>
0.20			



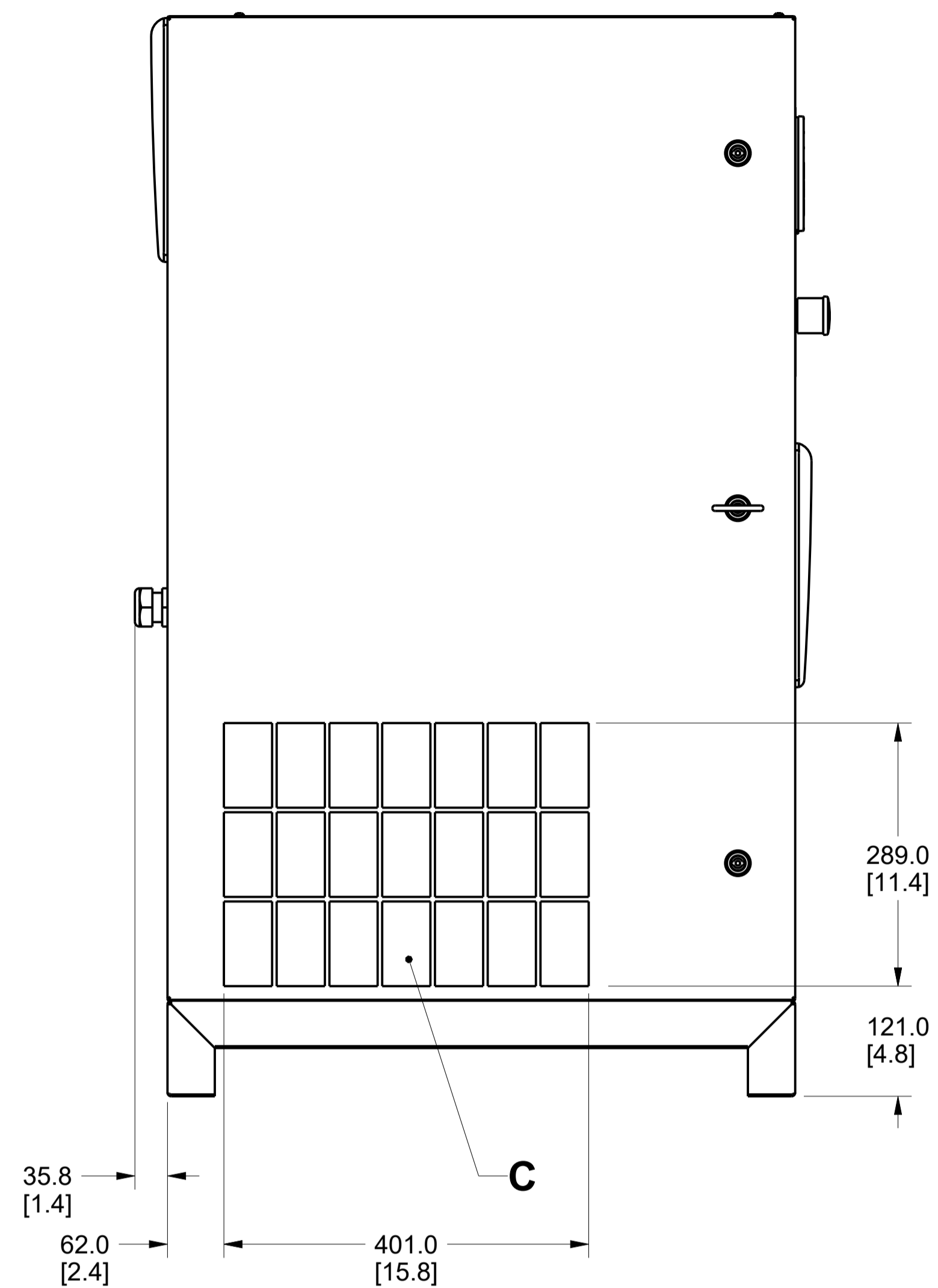
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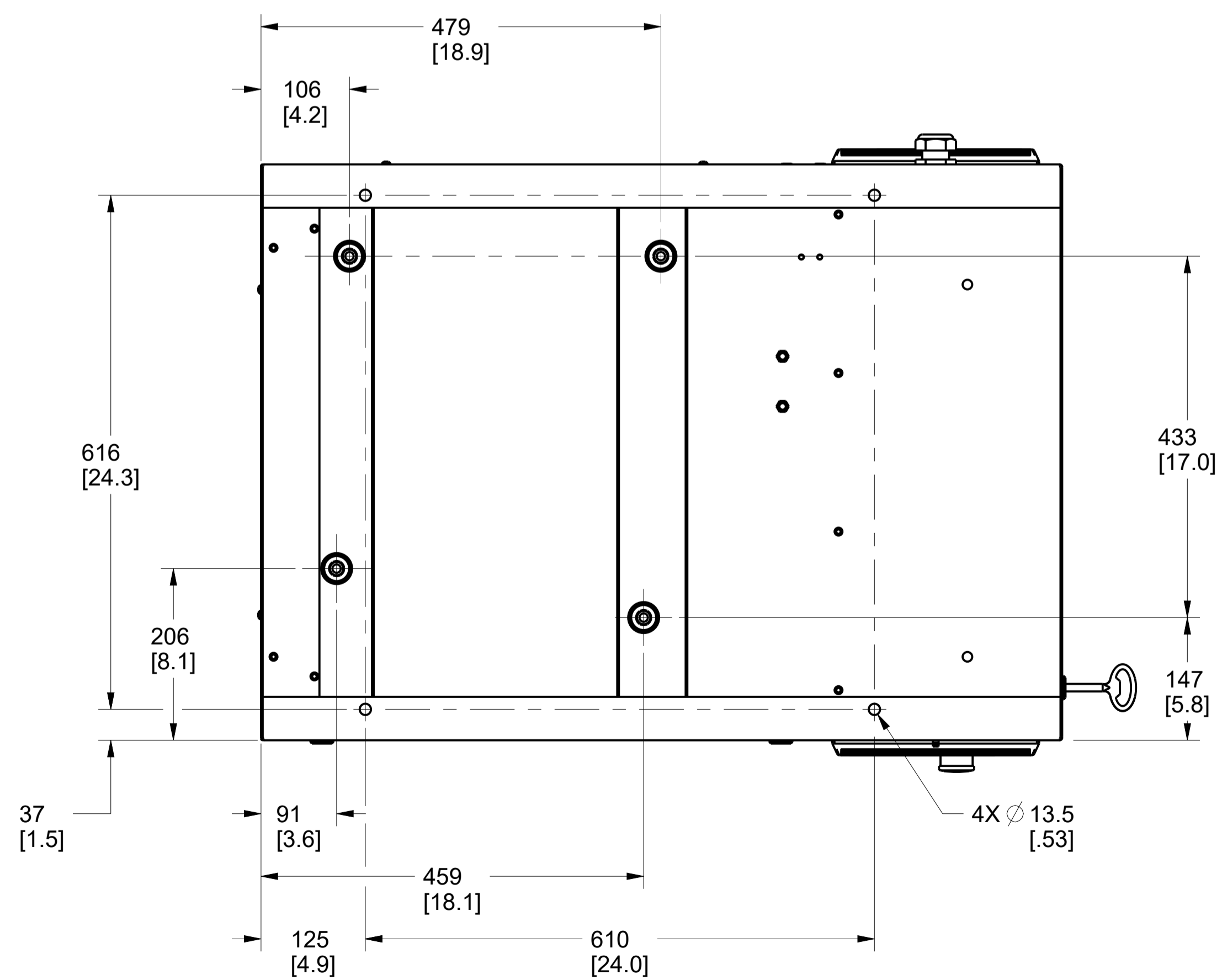
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<small>SIZE</small> A1	<small>DWG NO.</small> 24187775	<small>REVISION</small> D	
<small>SCALE</small> 0.20	<small>NOMENCLATURE</small>	<small>SHEET</small> 3 OF 7	



BACK VIEW

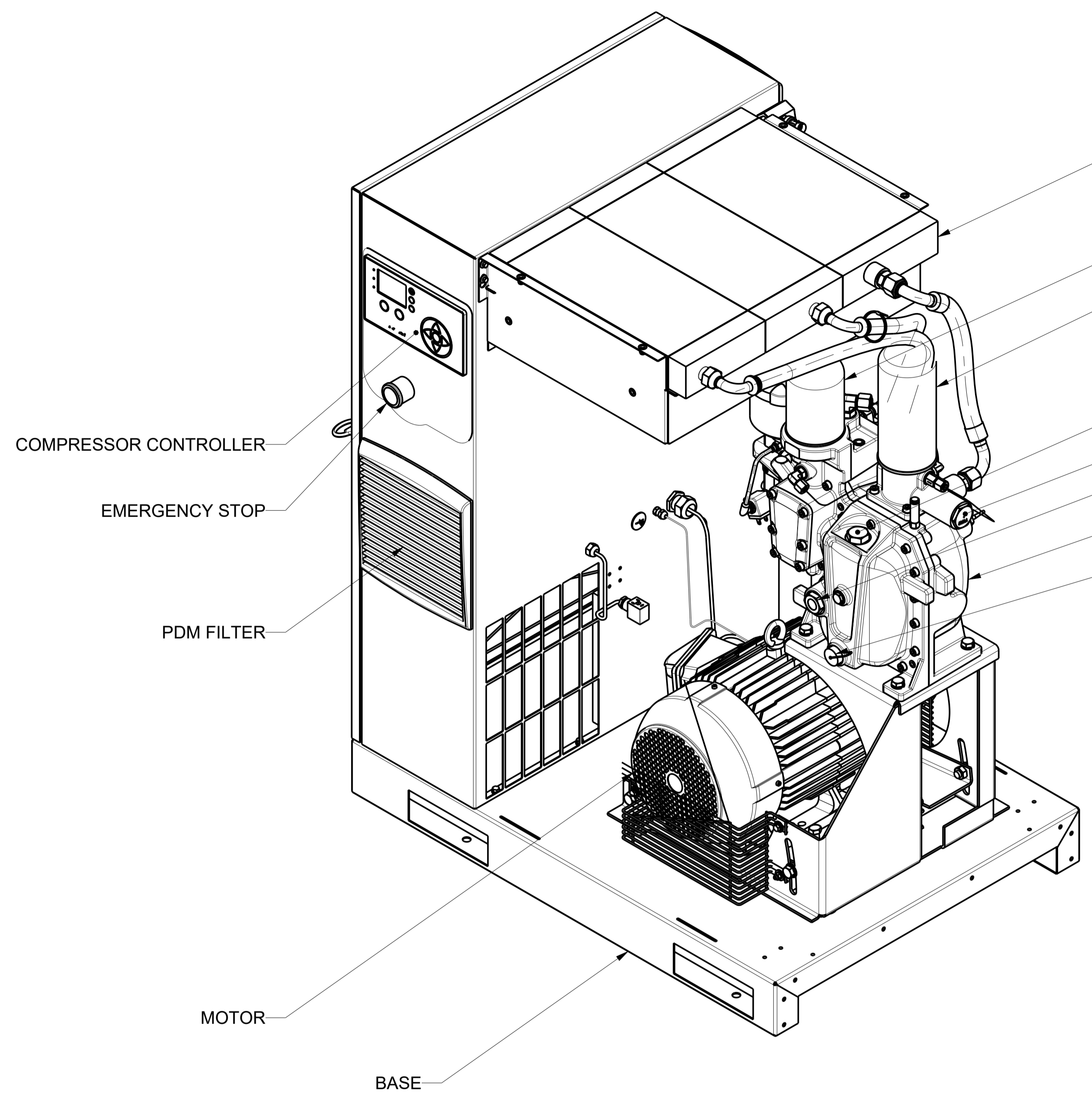


LEFT VIEW



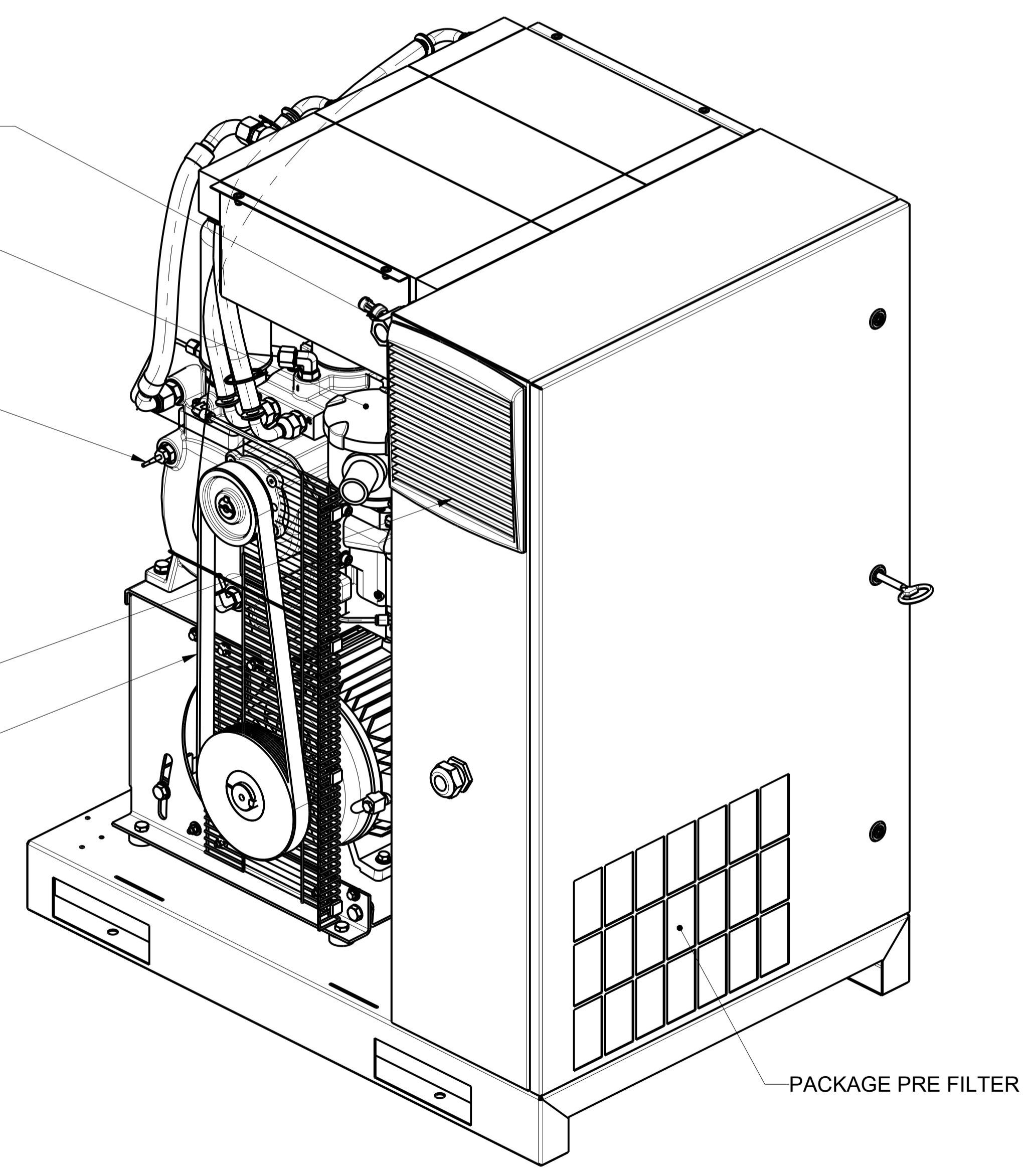
BOTTOM VIEW

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<small>SIZE</small> A1	<small>DWG NO.</small> 24187775	<small>REVISION</small> D	
<small>SCALE</small> 0.20	<small>NOMENCLATURE</small>	<small>SHEET</small> 4 of 7	




- COOLER COMBINATION (AIR/OIL)
- COOLANT FILTER MODULE
- SEPARATOR MODULE
- COOLANT FILL PLUG
- MINIMUM PRESSURE CHECK VALVE
- SIGHT GLASS
- AIREND CE55NX
- COOLANT DRAIN VALVE

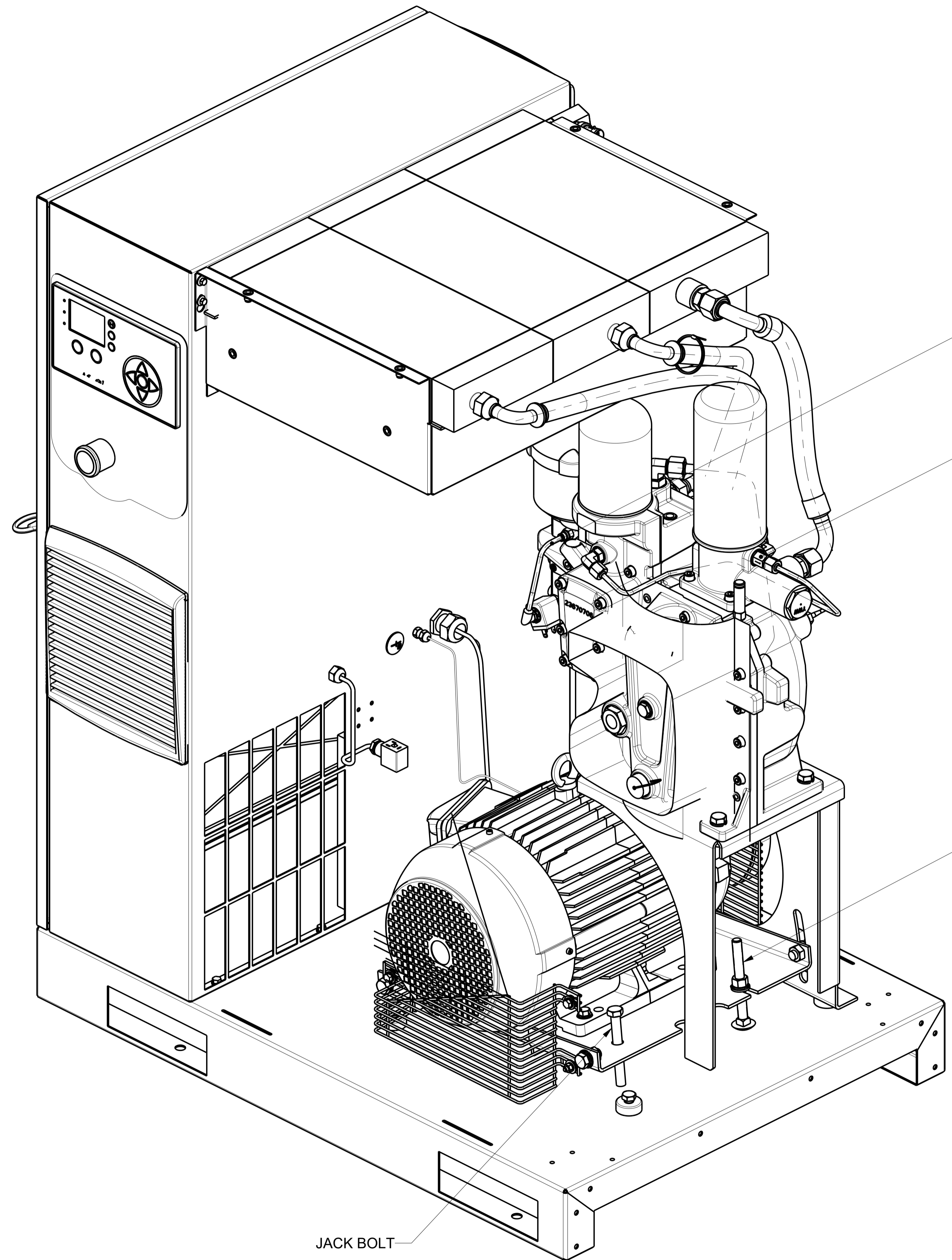
- PRESSURE TRANSDUCER
- AIR FILTER ASSEMBLY
- TEMP SENSOR
- PDM FILTER
- DRIVE BELT



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NAME: GENERAL ARRANGEMENT, R4-11KW STANDARD BASE
SIZE: A1 DWG NO.: 24187775
SCALE: 0.20 NOMENCLATURE
SHEET: 5 of 7





BLOWDOWN ORIFICE

SCAVENGE ORIFICE

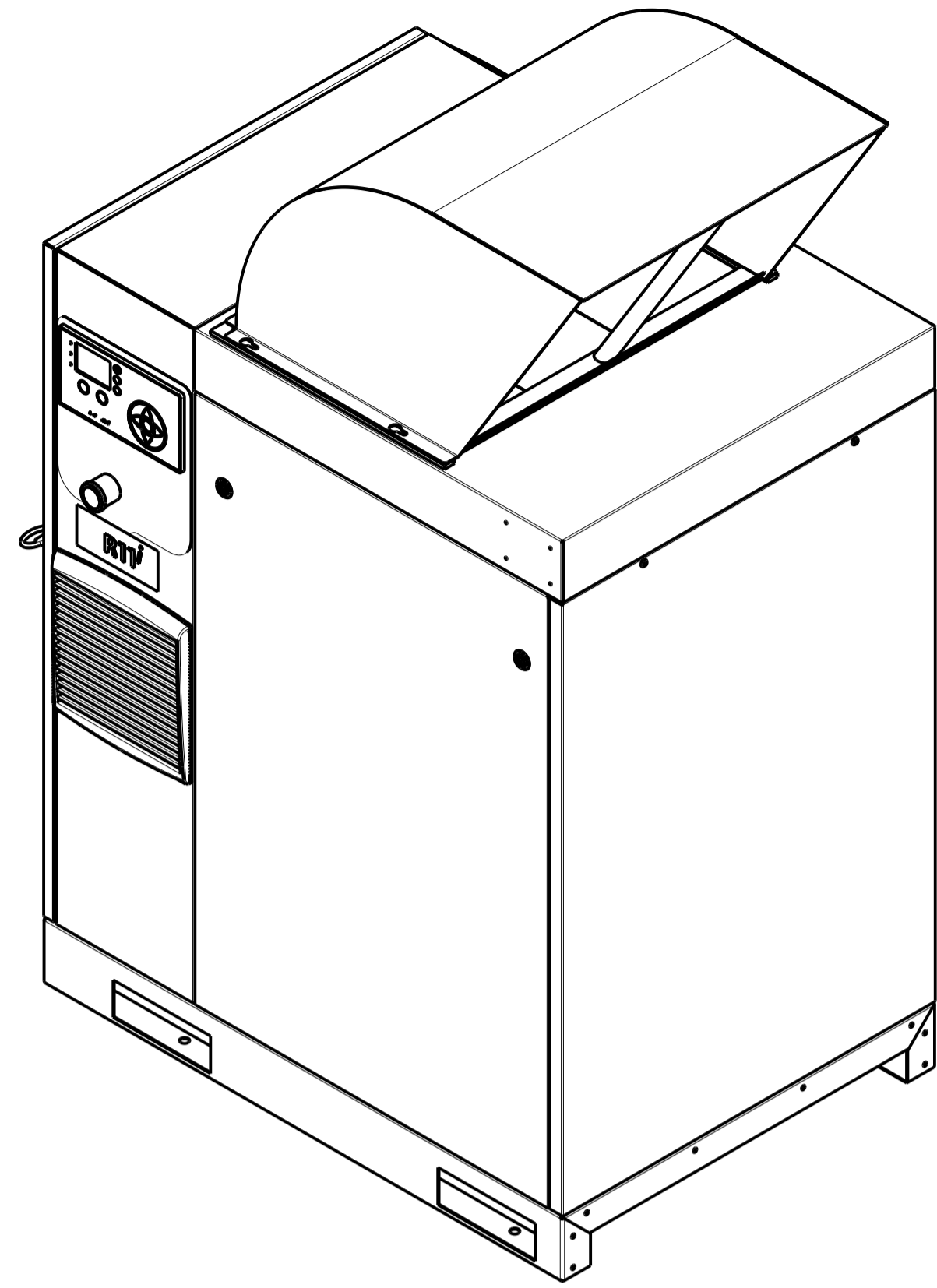
CARRIAGE BOLT

JACK BOLT

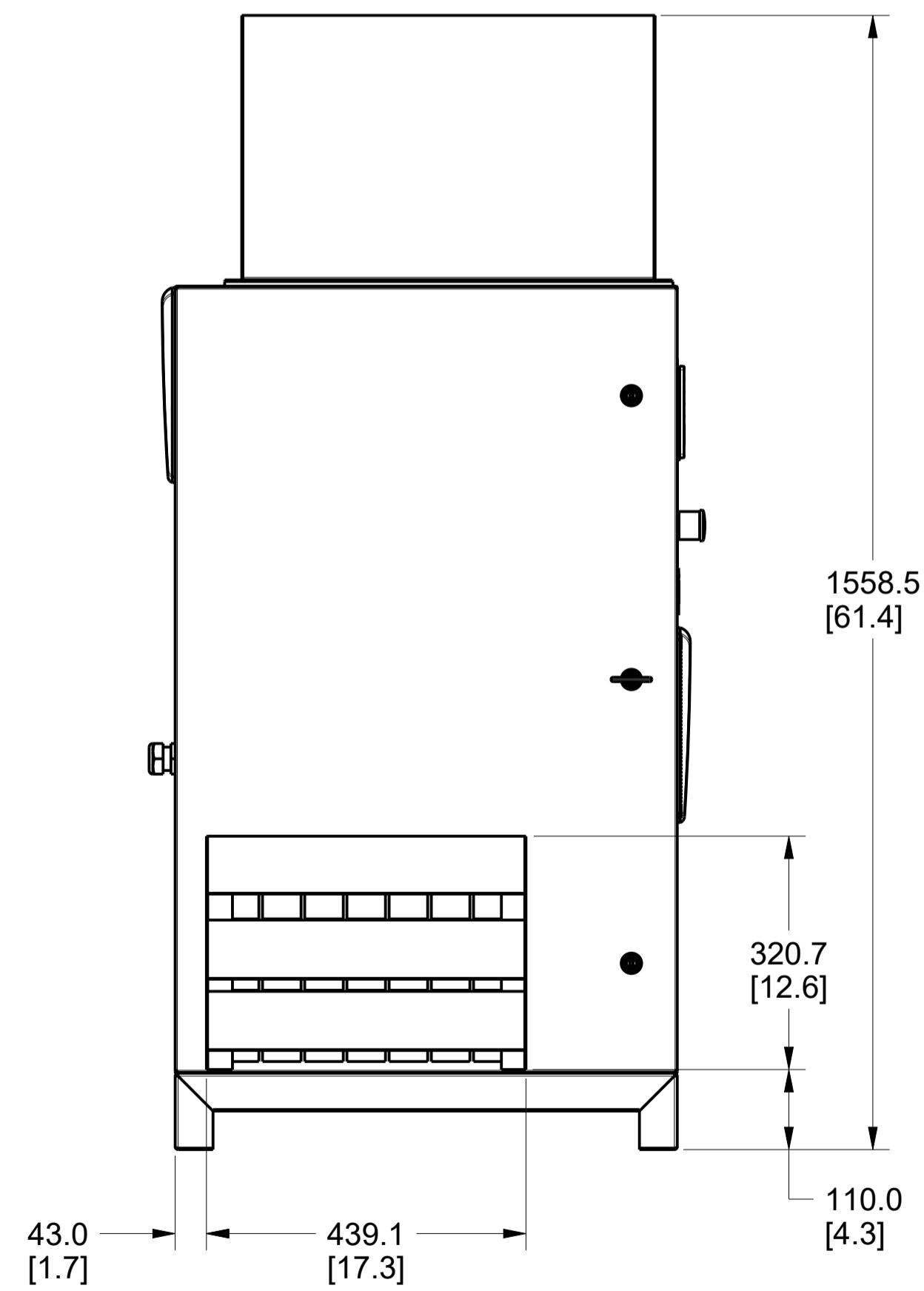
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<small>SCALE</small> 0.30	<small>NOMENCLATURE</small>	<small>SHEET</small> 6 OF 7	

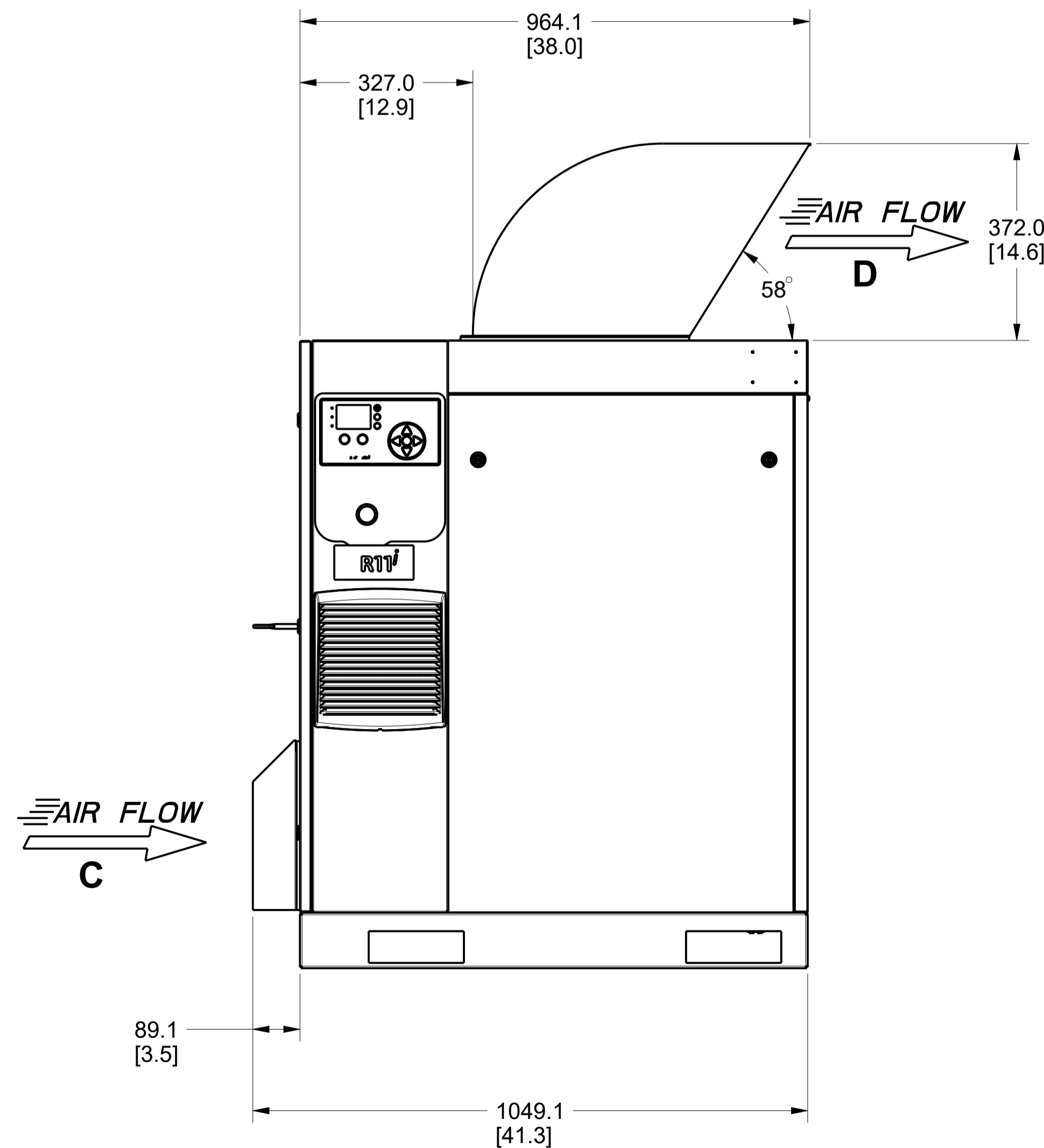
GENERAL ARRANGEMENT WITH OPTIONAL OUTDOOR MODIFICATION (OPTION IS NOT AVAILABLE FOR DRYER OR VSD UNITS)



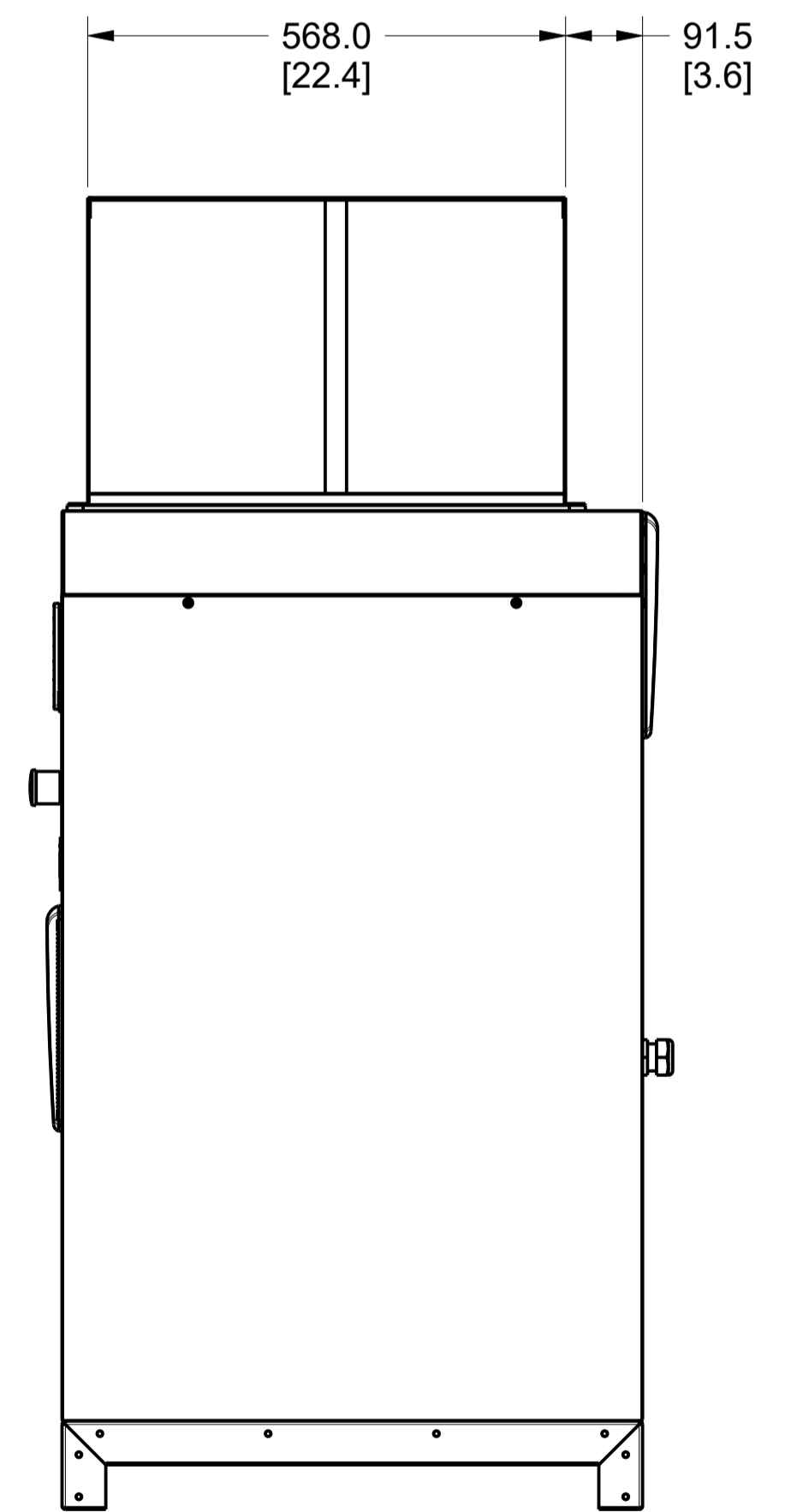
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LEFT END VIEW



FRONT VIEW



RIGHT END VIEW

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SIZE A1	DWG NO. 24187775	REVISION D	
SCALE 0.13	NOMENCLATURE	SHEET 7 of 7	