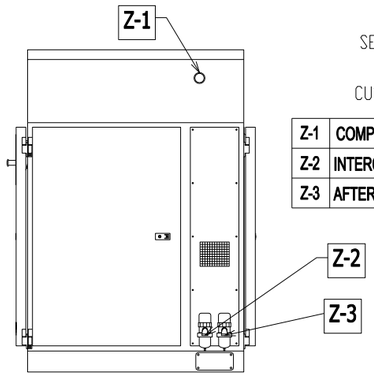
UTILITY REQUIREMENTS

MODEL	PRESSURE	NAMEPLATE HORSEPOWER	COOLING FAN OUTPUT CFM	HEAT REJECTION TO AIR BTU/MIN	APPROX. POWER CONSUMPTION kW	APPROX. SHIPPING WEIGHT LB
A/H	125 PSIG (OPERATING)	50	6500	2350	45	3670
	150 PSIG (MAX WORKING)		6500	2620	50	
B/L	100 PSIG (OPERATING)	50	6500	2590	49	3670
B/H	125 PSIG (OPERATING)	60	6500	2900	55	3740
	150 PSIG (MAX WORKING)		6500	3210	60	
C/L	100 PSIG (OPERATING)	60	6500	3160	59	3740
C/H	125 PSIG (OPERATING)	75	6500	3540	66	3880
	150 PSIG (MAX WORKING)		6500	3940	73	
D/L	100 PSIG (OPERATING)	75	6500	3580	67	3880
D/H	125 PSIG (OPERATING)	100	6500	4020	74	3910
	135 PSIG (MAX WORKING)		6500	4200	77	
E/L	100 PSIG (OPERATING)	100	6500	4420	81	3910

ELECTRICAL REQUIREMENTS: 3Ø, 60Hz, 480V

NOTES

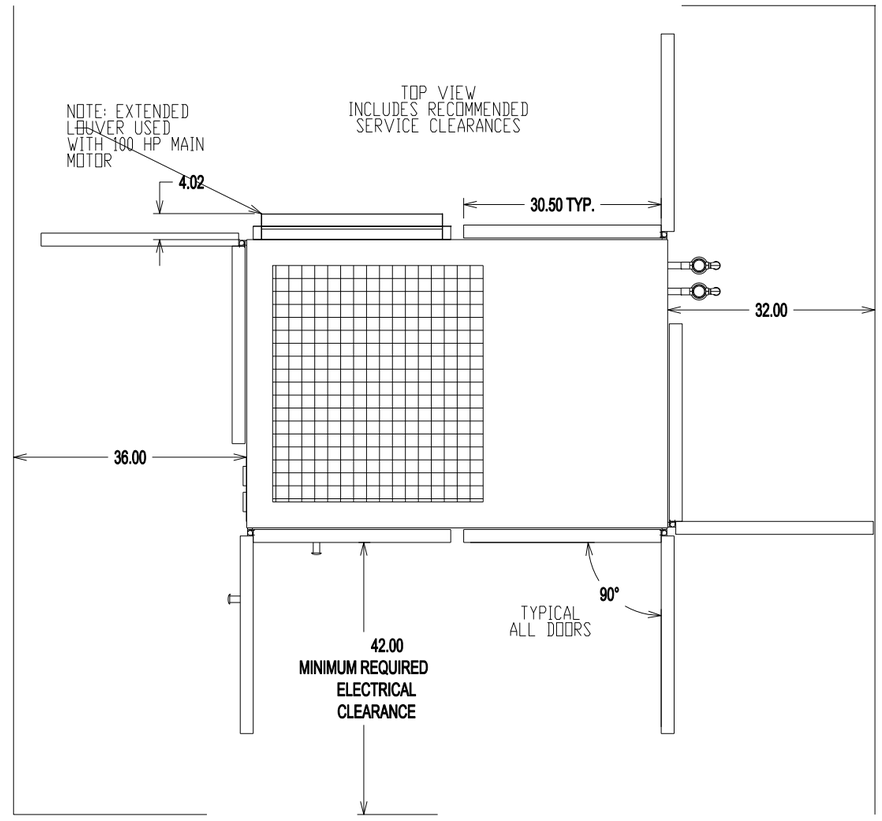
1. PERFORMANCE DATA SHOWN IS FOR STANDARD CONDITIONS OF AMBIENT PRESSURE 14.5 PSIA, AMBIENT TEMPERATURE 80°F, RELATIVE HUMIDITY 60%. OPERATION IN OTHER CONDITIONS WILL AFFECT PERFORMANCE.
2. VALUES WILL VARY ±4% FOR CAPACITY AND ±5% FOR SPECIFIC POWER.



DETAIL A
SERVICE CONNECTIONS
(NOT TO SCALE)

CUSTOMER CONNECTIONS

Z-1	COMPRESSOR AIR OUTLET, 1-1/2" FNPT
Z-2	INTERCOOLER CONDENSATE DRAIN, 1/2" FNPT
Z-3	AFTERCOOLER CONDENSATE DRAIN, 1/2" FNPT



PROPRIETARY

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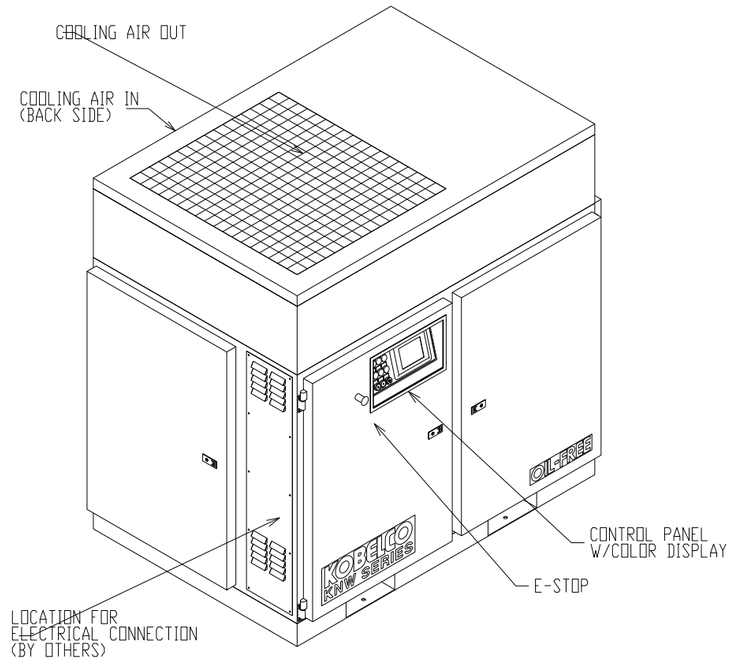
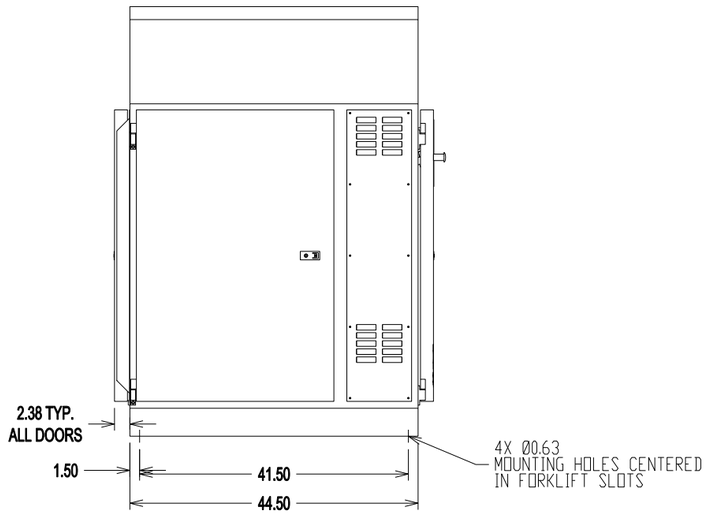
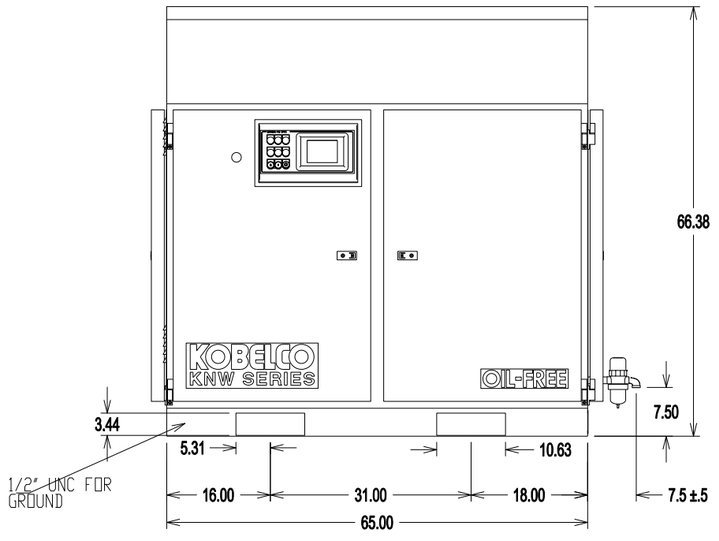


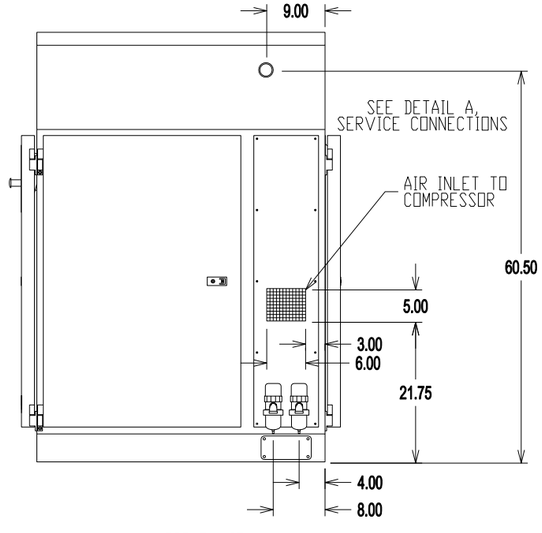
ISOMETRIC VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

ROGERS MACHINERY COMPANY, INC.
CORPORATE ENGINEERING
14650 S.W. 72ND AVENUE
PORTLAND, OREGON 97224
www.rogers-machinery.com

REV	DATE	BY	CK	DESCRIPTION

DRAWN	G.E. WILKER		05DEC13
CHECKED			
SIZE	B	SCALE	1:24
SERIAL#	POWEREX - TBD		

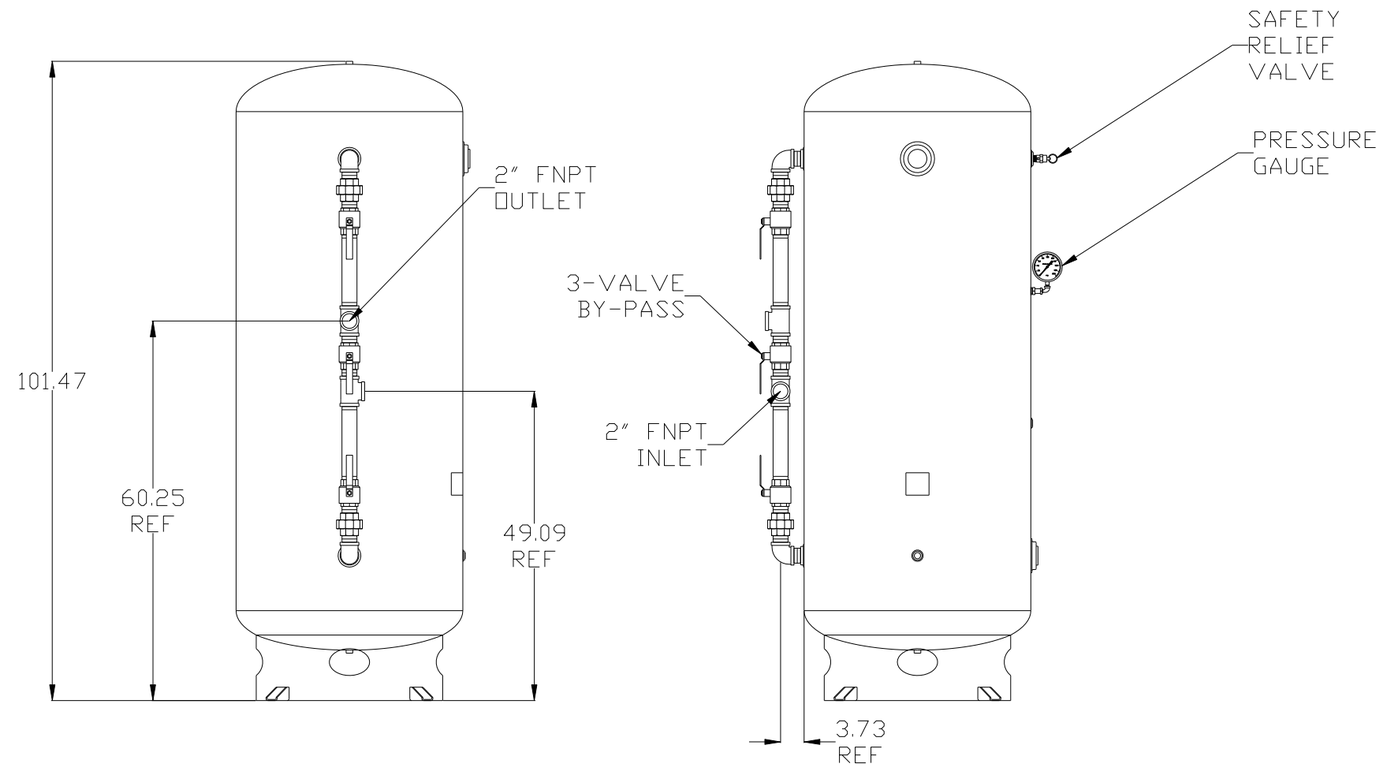
COMPRESSOR ASSEMBLY

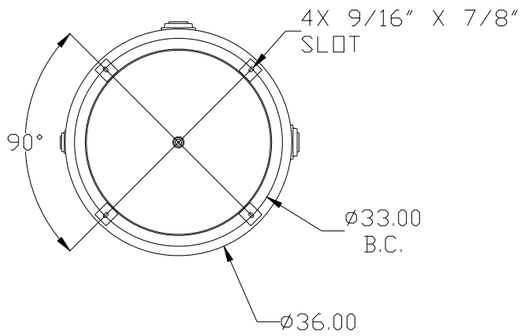
KOBELCO KNW SERIES AIR COMPRESSOR
MODEL KNWA0, AIR-COOLED
WYE-DELTA STARTER, STANDARD ASSEMBLY

DRAWING NUMBER
K00754A.0
SHEET 1 OF 1

GALLONS	SIZE	DESIGN PRESSURE	WEIGHT lbs.	DESCRIPTION
400	36 x 101	165 PSI	880	ASME VERTICAL INDUSTRIAL w/BASE RING

REV	ZONE	REVISION	DATE	ECN	NAME	CHKD
A-1	ALL	SUBMITTAL DRAWINGS	8/7/13	PXEC0052	RK	AEK
B-1	ALL	RELEASE FOR PRODUCTION	8/7/13	PXEC0052	RK	AEK
C-1	ALL	CHANGED TANK PSI FROM 200 TO 165	04/26/18	PXEC0229	DMS	GES





NOTES:
1) ASME CERTIFIED VESSEL
2) ALL DIMENSIONS ARE REFERENCE DIMENSIONS
3) APPROXIMATE WT. - 880 LBS.

SYMBOL LEGEND
⊖ = MINUS DRAFT
⊕ = PLUS DRAFT
= ADDITIONAL CONTROL REQ'D
= BRINELL HARDNESS

Drawings to conform to the current revision of the following ANSI standards.
Y14.3 Multi and sectional view dwgs.
Y14.5M Dimensioning and tolerancing

TOLERANCES NOT SPECIFIED
.XX ±
.XXX ±
∠(DEG.) ±

AUTOCAD REL2008 LT
INCH

DO NOT SCALE DRAWING FOR DIMENSIONS

Sheet 2 of 5

SCALE 1: 12

CONFIDENTIAL DISCLOSURE
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DRAWN BY	CHECKED BY	APPROVED BY ENGINEERING	MFG/MRKTG
RK	AEK	JA	CT
8/6/13	8/7/13	8/7/12	8/7/12

MATERIAL
N/A

PART NAME
40-60HP VFD TRIPLEX ENCLOSED COMPRESSOR

400 GALLON DUAL DESICCANT PACKAGE

POWEREX
PURE AIR TECHNOLOGY
150 PRODUCTION DRIVE, HARRISON, OHIO 45030
Ph: 888-769-7979 FAX: (513) 367-3125

DWG NO MTRE0757

SIZE D

MDRE0406.dwg

REV	ZONE	REVISION	DATE	ECN	NAME	CHKD
A-1	ALL	SUBMITTAL DRAWINGS	8/7/13	PXEC0052	RK	AEK
B-1	ALL	RELEASE FOR PRODUCTION	8/7/13	PXEC0052	RK	AEK
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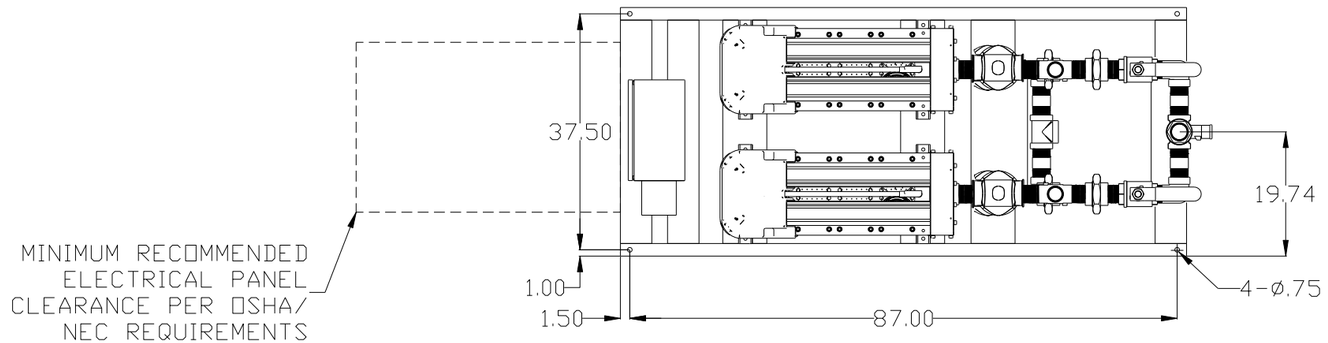

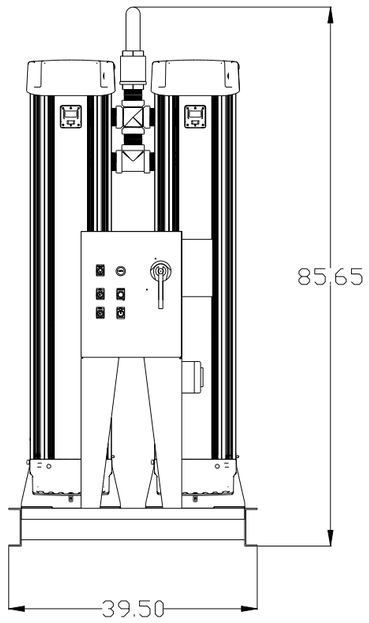

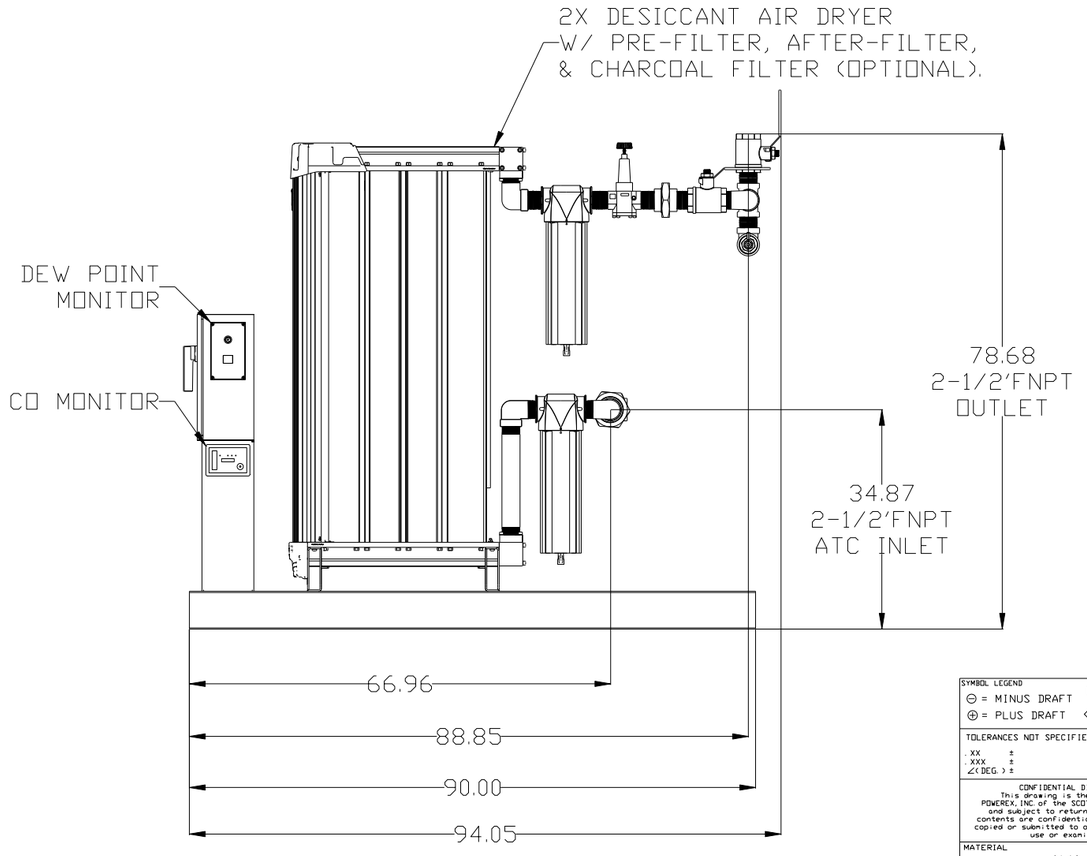

SYMBOL LEGEND
⊖ = MINUS DRAFT
⊕ = PLUS DRAFT
▽ = ADDITIONAL CONTROL REQ'D
◇ BHN = BRINELL HARDNESS

Drawings to conform to the current revision of the following ANSI standards.
Y14.3 Multi and sectional view dwgs.
Y14.5M Dimensioning and tolerancing

TOLERANCES NOT SPECIFIED
.XX ±
.XXX ±
∠(DEG.) ±

AUTOCAD REL2008 LT
INCH

DO NOT SCALE DRAWING FOR DIMENSIONS

Sheet 3 of 5

SCALE 1: 12

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DRAWN BY	CHECKED BY	APPROVED BY ENGINEERING	APPROVED BY MFG/MRKTG
RK	AEK	JA	CT
8/6/13	8/7/13	8/7/12	8/7/12

MATERIAL
N/A

PART NAME
DRYER PACKAGE SKID
39.5" X 90"

POWEREX
PURE AIR TECHNOLOGY
150 PRODUCTION DRIVE, HARRISON, OHIO 45030
PH: 888-769-7979 FAX: (513) 367-3125

DWG NO MTRE0757

SIZE D

MDRE0406.dwg

REV	ZONE	REVISION	DATE	ECN	NAME	CHKD
A-1	ALL	SUBMITTAL DRAWINGS	8/7/13	PXEC0052	RK	AEK
B-1	ALL	RELEASE FOR PRODUCTION	8/7/13	PXEC0052	RK	AEK
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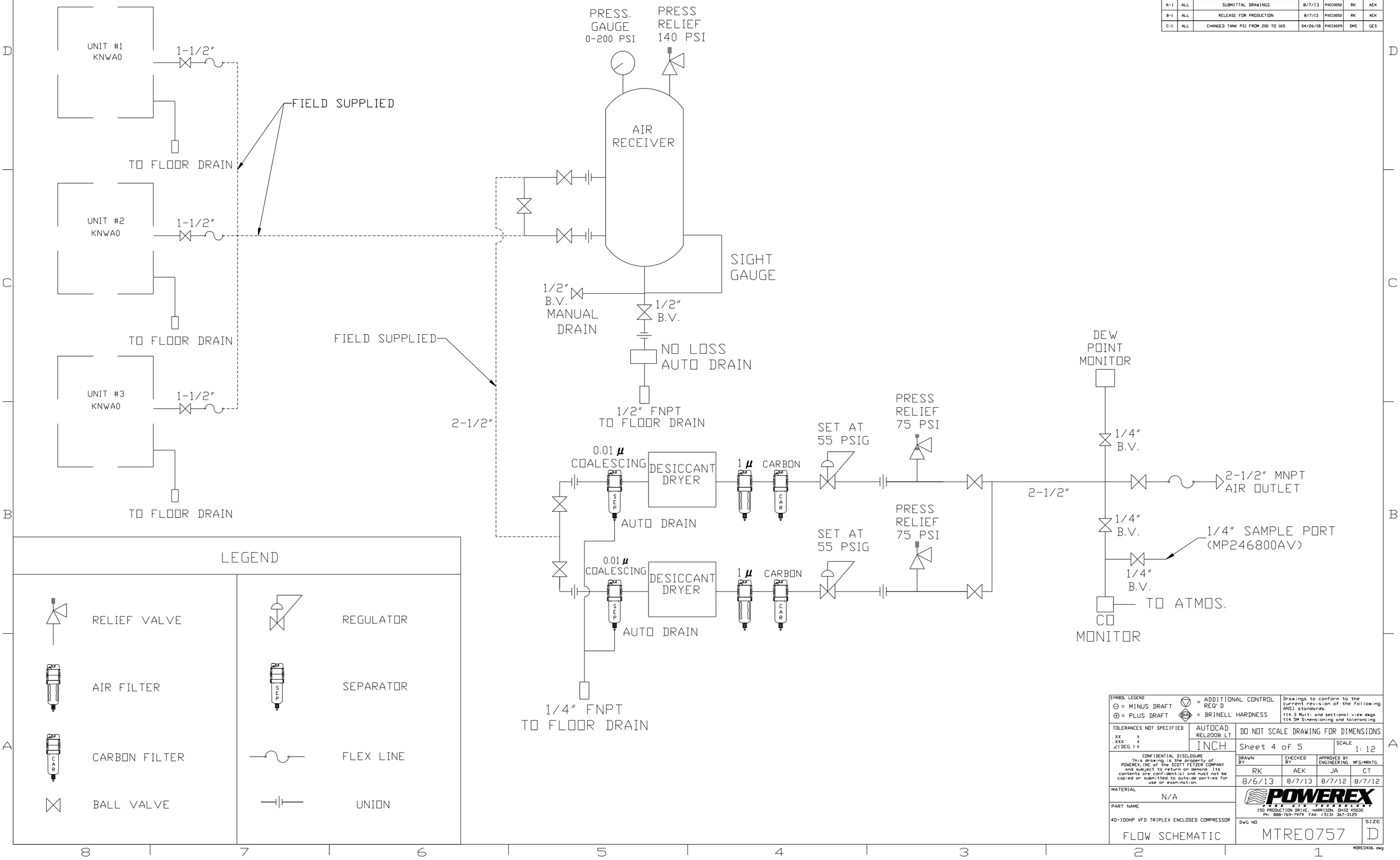

LEGEND

RELIEF VALVE	REGULATOR
AIR FILTER	SEPARATOR
CARBON FILTER	FLEX LINE
BALL VALVE	UNION

SYMBOL LEGEND
⊖ = MINUS DRAFT
⊕ = PLUS DRAFT
= ADDITIONAL CONTROL REQ'D
= BRINELL HARDNESS

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Y14.3 Multi and sectional view dwgs.
Y14.5M Dimensioning and tolerancing

TOLERANCES NOT SPECIFIED
.XX ±
.XXX ±
∠ (DEG.) ±

AUTOCAD REL2008 LT
INCH

DO NOT SCALE DRAWING FOR DIMENSIONS
Sheet 4 of 5
SCALE 1: 12

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RK	AEK	JA	CT
8/6/13	8/7/13	8/7/12	8/7/12

MATERIAL: N/A

PART NAME: 40-100HP VFD TRIPLEX ENCLOSED COMPRESSOR

FLOW SCHEMATIC

POWEREX
FLUID AIR TECHNOLOGY
150 PRODUCTION DRIVE, HARRISON, OHIO 45030
Ph: 888-769-7979 FAX: (513) 367-3125

DWG NO: MTRE0757
SIZE: D

MDRE0406.dwg

REV	ZONE	REVISION	DATE	ECN	NAME	CHKD
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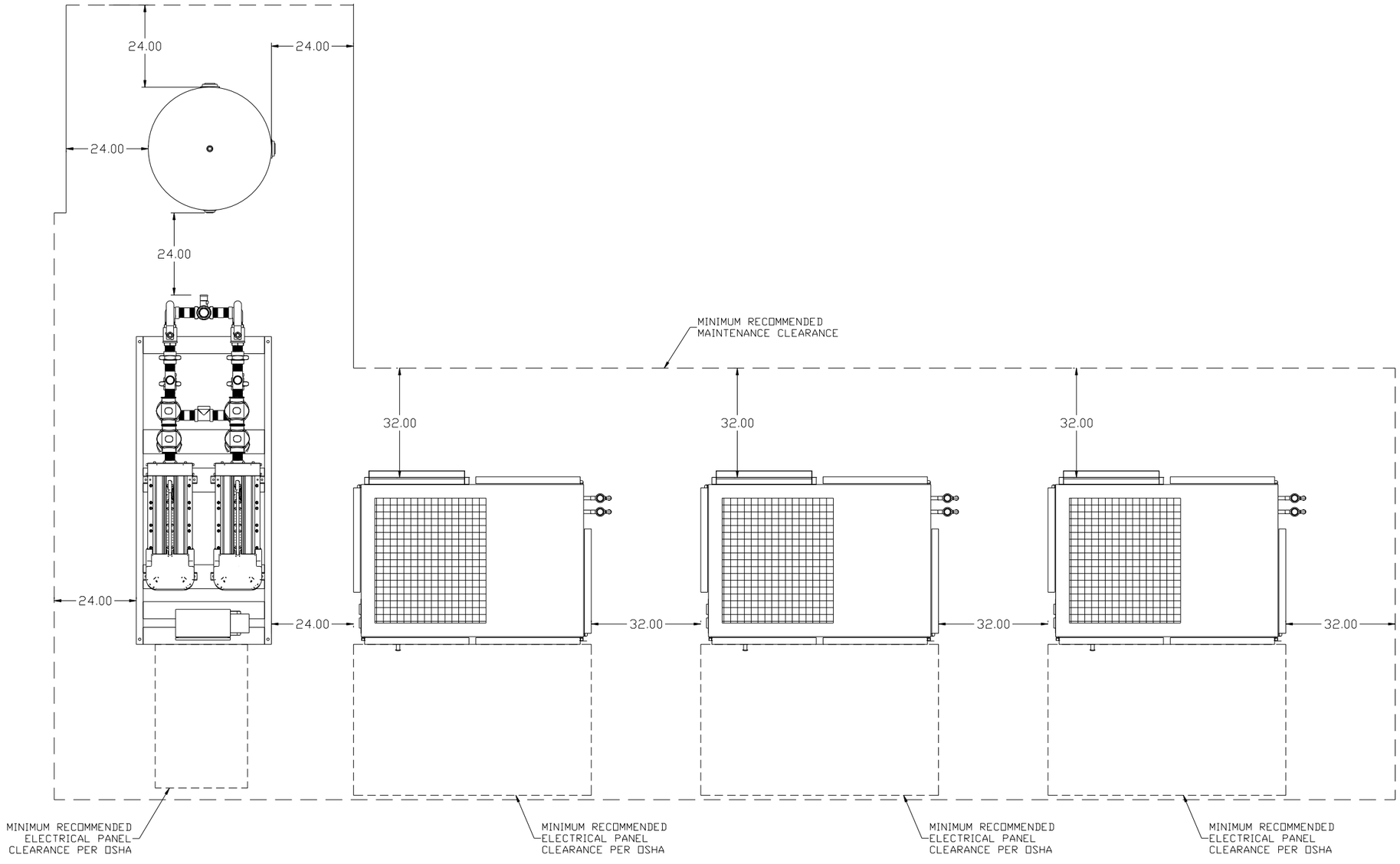

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OSHA = BRINELL HARDNESS

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Y14.5M Dimensioning and tolerancing

TOLERANCES NOT SPECIFIED
.XX ±
.XXX ±
∠(DEG.) ±

AUTOCAD REL2008 LT
INCH

DO NOT SCALE DRAWING FOR DIMENSIONS

Sheet 5 of 5

SCALE 1: 17

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DRAWN BY	CHECKED BY	APPROVED BY ENGINEERING	MFG/MRKTG
RK	AEK	JA	CT
8/6/13	8/7/13	8/7/12	8/7/12

MATERIAL
N/A

PART NAME
40-100HP VFD TRIPLEX ENCLOSED COMPRESSOR
400 GALLON DUAL DESICCANT PACKAGE

POWEREX
POWER AIR TECHNOLOGY
150 PRODUCTION DRIVE, HARRISON, OHIO 45030
Ph: 888-769-7979 FAX: (513) 367-3125

DWG NO MTRE0757

SIZE D

MDRE0406.dwg