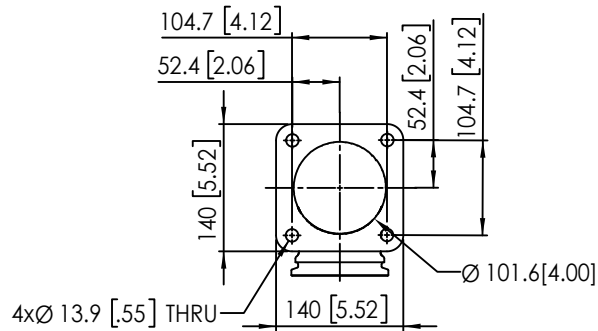
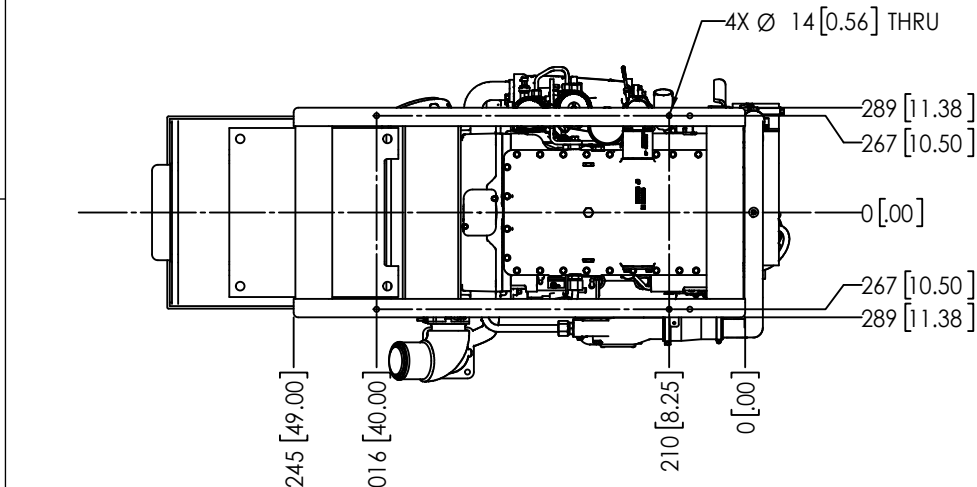
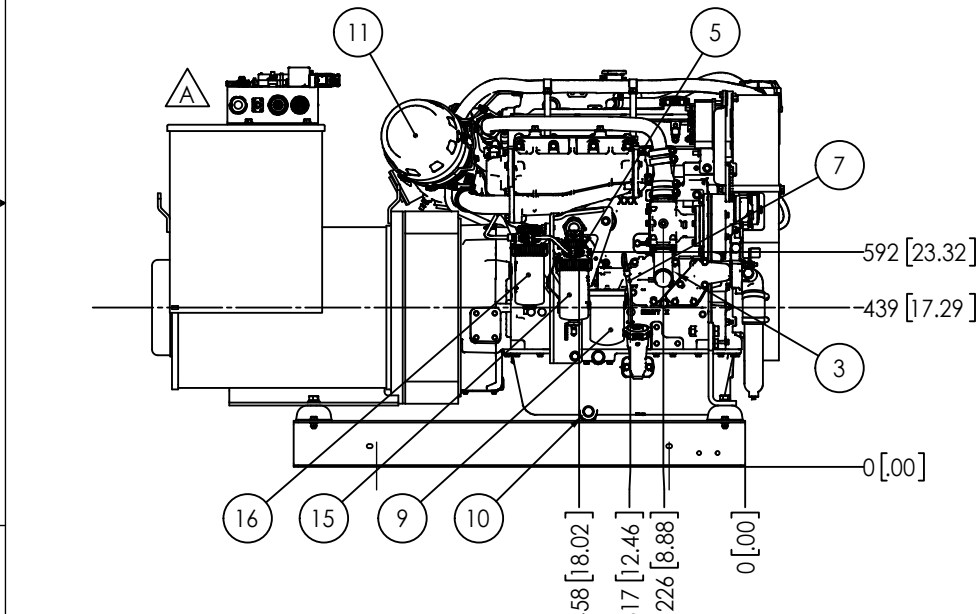
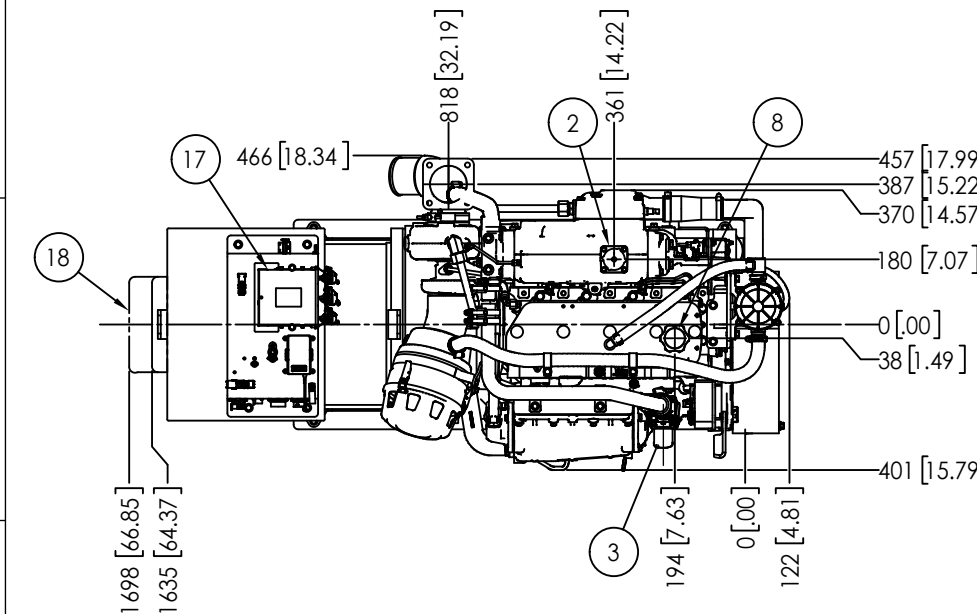
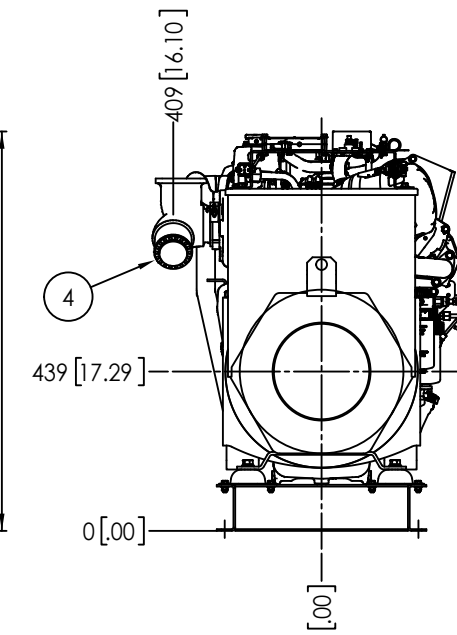
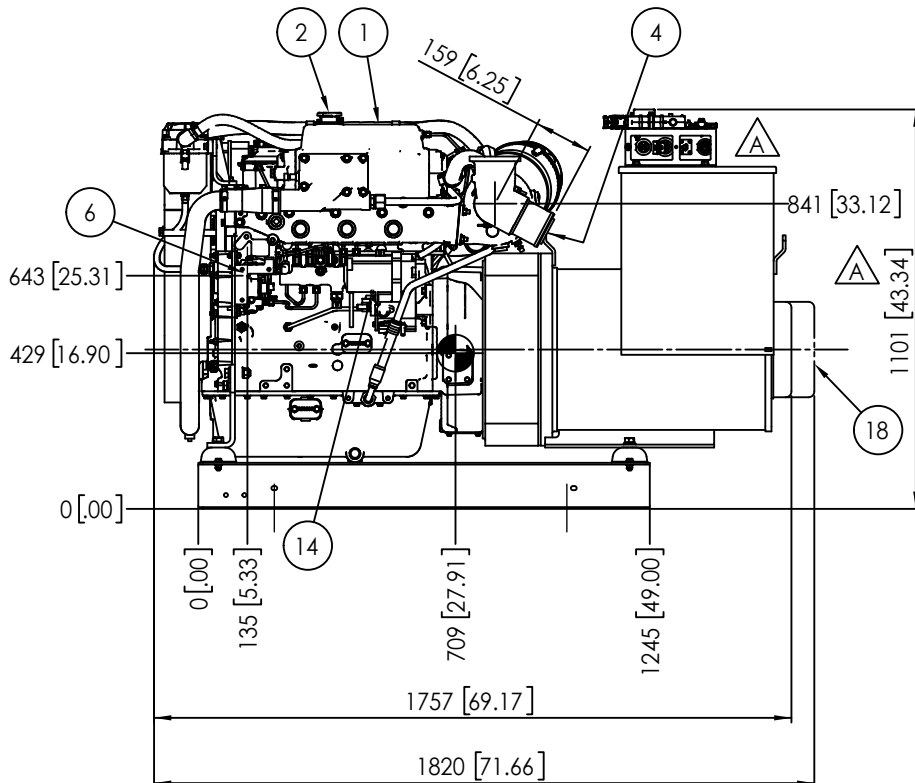
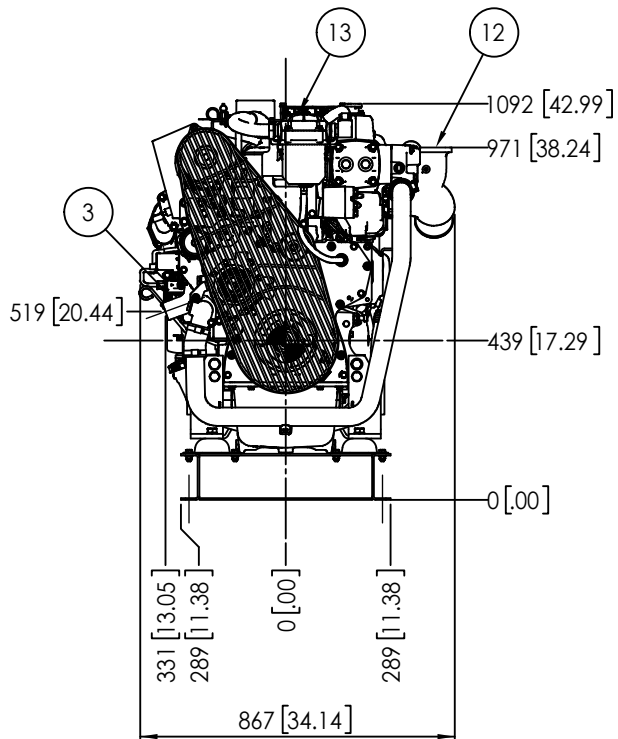


MODELS	APPROX. WT. lbs [kg]
M99C13.1S 99kW 1800 RPM 60Hz 3 Ø	2595 [1177]



OPTIONAL DRY EXHAUST ELBOW FLANGE DETAIL

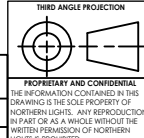


NOTE:
1. FOR M99C13 WITH OPTIONAL
PTO, SEE DRAWING D-4777.

THE DIMENSIONS ON THIS DRAWING ARE
SUBJECT TO CHANGE. PLEASE CONTACT
NLI TO BE SURE YOU HAVE THE MOST
CURRENT REVISION.

ITEM	DESCRIPTION
1	EXPANSION TANK
2	COOLANT FILL
3	SEAWATER INLET - Ø 2.0 H.B.
4	OPTIONAL WET EXHAUST ELBOW - Ø 4.0 H.B.
5	FUEL SUPPLY - Ø 3/8 H.B.
6	FUEL RETURN - Ø 1/4 H.B.
7	CRANKCASE OIL DIPSTICK
8	CRANKCASE OIL FILLER
9	CRANKCASE OIL FILTER
10	ENGINE OIL DRAIN - M18x1.5
11	AIR INLET FILTER
12	OPTIONAL DRY EXHAUST ELBOW - SEE DETAIL
13	CLOSED CRANKCASE VENTILATION SYSTEM
14	ELECTRIC STARTER
15	PRIMARY FUEL FILTER
16	FINAL FUEL FILTER
17	ENGINE CONTROL UNIT
18	OPTIONAL PMG

REV.	DESCRIPTION	DATE	BY	CHECKED
A	ADDED ENGINE TO ECU HARNESS KIT. CHANGED DIM.: NOW 1101 WAS 1092. CHANGED WEIGHT: NOW 2595 LB WAS 2585 LB. ECN 6803	6/12/2020	MG	LTP



UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ANGULAR: 0.5° BEND ± 1.0° X ± 3 X.X ± 2 INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M WATERLOO PSH		NAME MG DATE 08/06/13 09/03/14	TAH ENG APPR. MFG APPR. G.A. COMMENTS:	NORTHERN LIGHTS 4420 14th AVE. N.W. Seattle, WA 98107 (206) 789-3880 www.northern-lights.com
TITLE: INSTALLATION DIMENSIONS M99C13.1S H.E. W/O OPTIONAL PTO		SIZE D		DWG. NO. D-4776
SCALE: 1:10		WEIGHT:		SHEET 1 OF 1