

SYSTEMS DATA [NAC153P]**SEPTEMBER 21, 2020**For Help Desk Phone Numbers [Click here](#)

Reference Number: P4378A

Version Symbol:

Change Level:

Sales Model: C7.1 DI TA AA

Eff. Serial Number Prefix:

Engr. Model:

Description	Answer	Unit
Air Intake System		
The installed system must comply with the system limits below for all emissions certified engines to assure regulatory compliance.		
MAX ALLOW INTAKE RESTR W/CLEAN ELEMENT	16.1	IN WTR
MAX ALLOW INTAKE RESTR W/DIRTY ELEMENT	32.1	IN WTR
ALLOW PRESS DROP-COMPR OUT TO MANF IN	3.0	IN HG
MAX TURBO INLET AIR TEMPERATURE	77	DEG F
Cooling System		
ENGINE ONLY COOLANT CAPACITY	0.0	GAL
REGULATOR START-TO-OPEN TEMP	180	DEG F
REGULATOR FULL OPENING TEMPERATURE	203	DEG F
Engine Spec System		
CYLINDER ARRANGEMENT		
NUMBER OF CYLINDERS	6	CYL
CYLINDER BORE DIAMETER	4.1339	IN
PISTON STROKE	5.3149	IN
TOTAL CYLINDER DISPLACEMENT	428	CU IN
COMPRESSION RATIO (TO ONE)	16.7	
CRANKSHAFT ROTATION (FROM FLYWHEEL END)	CCW	
CYLINDER FIRING ORDER	1-5-3	
CYLINDER FIRING ORDER - CONTINUED	6-2-4	
STROKES/COMBUSTION CYCLE	4	STROKES
Exhaust System		
The installed system must comply with the system limits below for all emissions certified engines to assure regulatory compliance.		
Fuel System		
MAX ALLOW FUEL SUPPLY LINE RESTRICTION	29.6	IN HG
MAX ALLOW FUEL RETURN LINE RESTR	29.6	IN HG
FUEL SYSTEM TYPE		
Lube System		
MAXIMUM ALLOWABLE OIL TEMP	257	DEG F
MIN LI OP W/SAE 10W30 OIL @ 99 DEG C	0.0	PSI
Mounting System		
ENG WET WT W/OIL AND WATER W/O FUEL	1,495	LB
DRY WT ENG ONLY (DRAINED OF FLUIDS)	1,437	LB
ENGINE LENGTH	45.7086	IN
ENGINE HEIGHT	34.8424	IN
ENGINE WIDTH	28.3858	IN
Starting System		

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