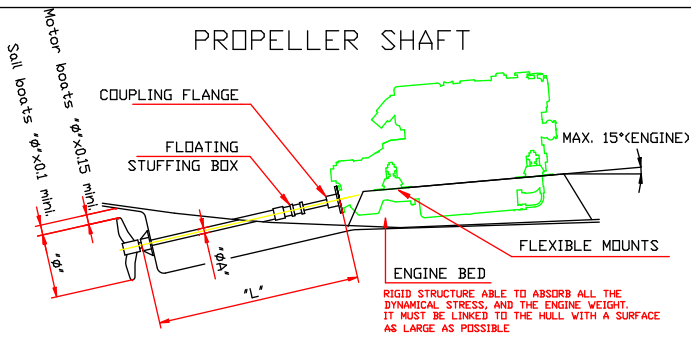


# PROPELLER SHAFT

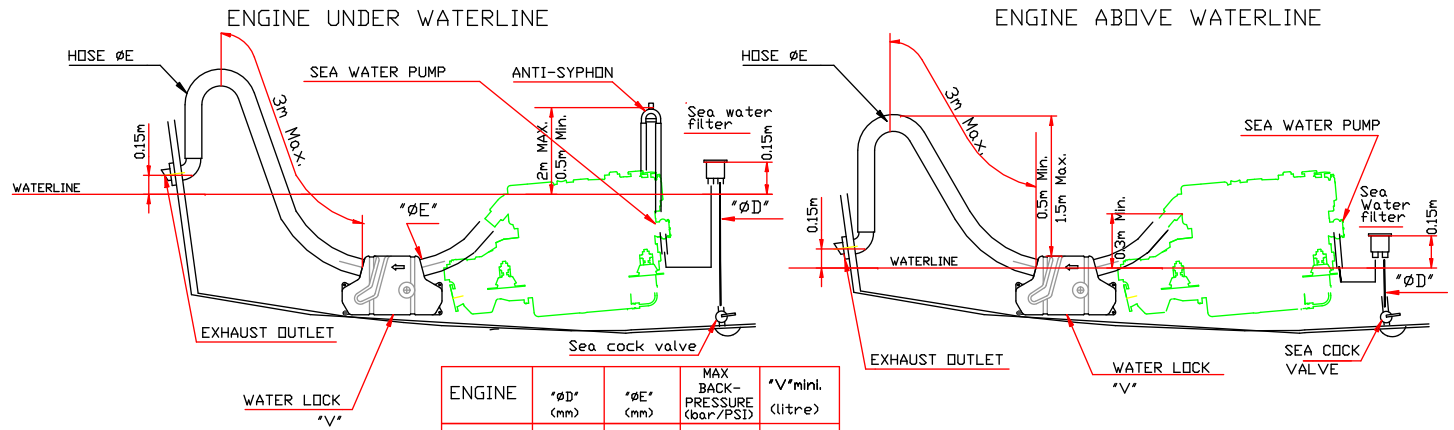


RIGID STRUCTURE ABLE TO ABSORB ALL THE DYNAMICAL STRESS, AND THE ENGINE WEIGHT. IT MUST BE LINKED TO THE HULL WITH A SURFACE AS LARGE AS POSSIBLE.

ENGINE	REDUCTION RATIO	SHAFT DIAMETER		SHAFT LENGTH (m)	ENGINE SPEED		
		(316L) (mm)	(Inches)		IDLING	MAXI	(W/D load) MAXI
N4.40	2	30	16	1.50	850	2800	3050
	3	35	20	2.00			
N4.43.HD	2	30	16	1.50	840	2800	3020
	3	35	20	2.00			
N4.50	2	30	16/17	1.50	840	2800	3020
	3	35	20/21	2.00			

\* OTHER DIAMETER ACCORDING TO MATERIAL ; CONSULT SHAFT LINES' MANUFACTURER  
 \*\* FOR PROPELLER CALCULATION, PLEASE FILL IN THE 'PROPELLER STUDY' FORM  
 \*\*\* MAXIMUM VALUE ACCEPTED

# SEA WATER PICK-UP AND EXHAUST LINES



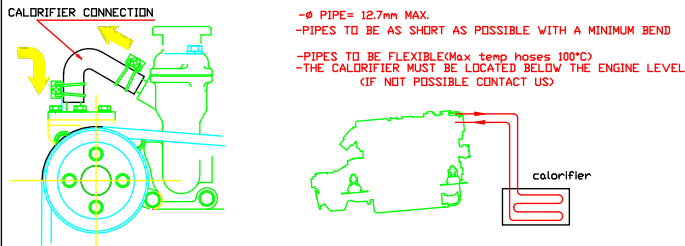
ENGINE	φD (mm)	φE (mm)	MAX BACK-PRESSURE (bar/PSI)	V*mini (litre)
N4.40	32	60	0.08/0.005	15
N4.43.HD	32	60	0.08/0.005	15
N4.50	32	60	0.08/0.005	15

-ANTI SYPHON VALVE IT MUST BE FITTED AFTER THE RAW WATER PUMP BEFORE HEAT EXCHANGER INLET

-WATER LOCK IT MUST BE ALWAYS LOWER AND NEAR THE ENGINE

All sail boat \*Motor boats speed >12 Nds

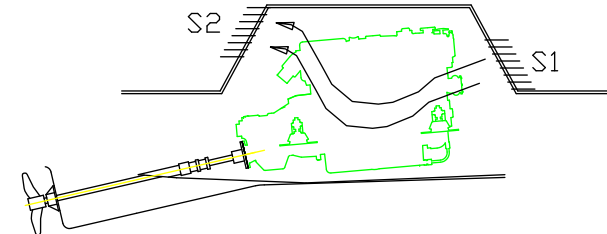
# BOILER CONNECTION



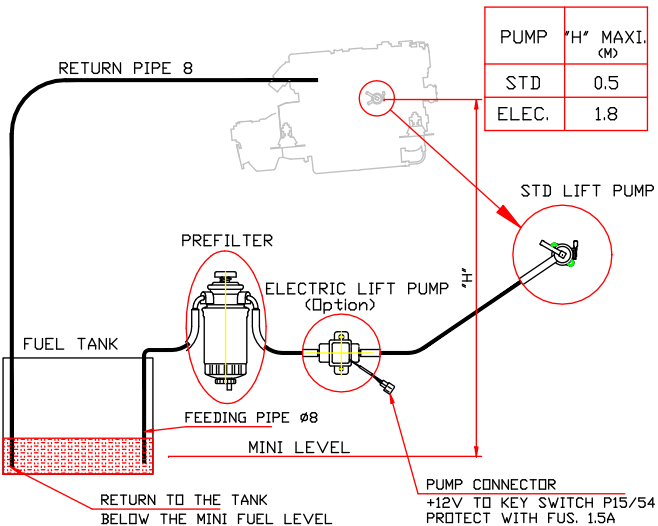
-φ PIPE = 12.7mm MAX.  
 -PIPES TO BE AS SHORT AS POSSIBLE WITH A MINIMUM BEND  
 -PIPES TO BE FLEXIBLE (Max temp hoses 100°C)  
 -THE CALORIFIER MUST BE LOCATED BELOW THE ENGINE LEVEL (IF NOT POSSIBLE CONTACT US)

# AIR REQUIREMENT

ENGINE	ENGINE AIR CONSUM (m3/min)	INLET S1 (cm2)	OUTLET S2 (cm2)
N4.40	2.6	390	240
N4.43.HD	2.6	390	240
N4.50	2.6	390	240



# FUEL CONNECTION

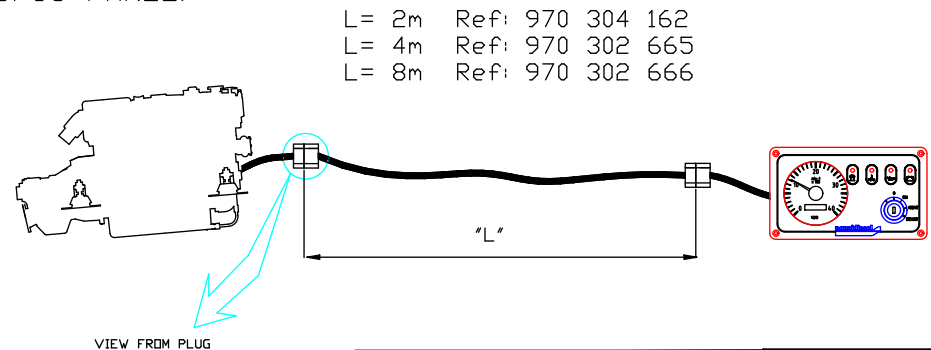


PUMP	"H" MAXI (M)
STD	0.5
ELEC.	1.8

PUMP CONNECTOR +12V TO KEY SWITCH P15/54 PROTECT WITH FUS. 1.5A

# ELECTRICAL WIRINGS (A3/B3/C3 PANEL)

CONNECTOR	
1	+
2	-
3	STARTER
4	PREHEATING
5	STOP
6	OIL SENDER unused
7	D+
8	OIL SWITCH
9	WATER SWITCH
10	WATER SENDER unused
11	REV. COUNT.



L = 2m	Ref: 970 304 162
L = 4m	Ref: 970 302 665
L = 8m	Ref: 970 302 666

ECH.		DESSINE LE 6-7-98 PAR PL	VERIF.
INSTALLATION DETAILS			
N4.40 - N4.43.HD - N4.50			
		 21 - Av. Marlotte - BP 107 33260 LA TESTE - FRANCE	
		IND B 13/04/06 /	