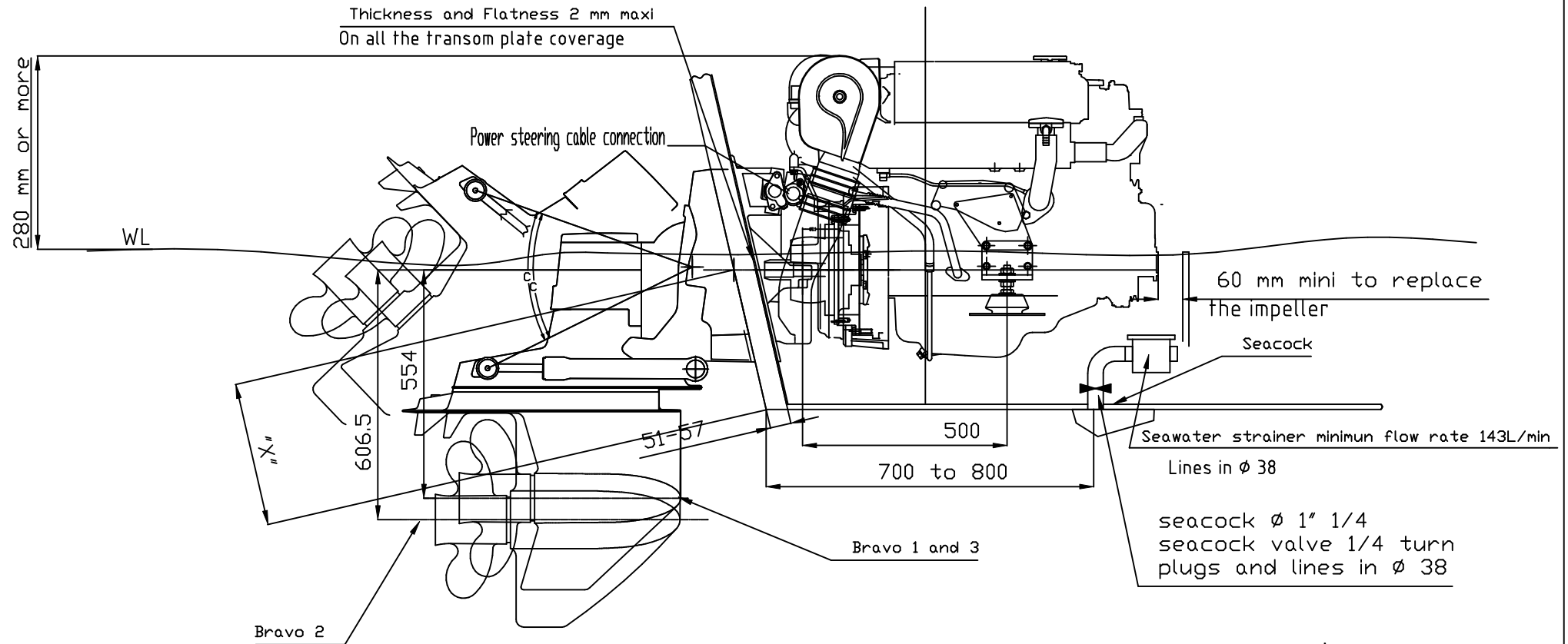


STERN-DRIVE (Bravo 1 - 2 - 3)

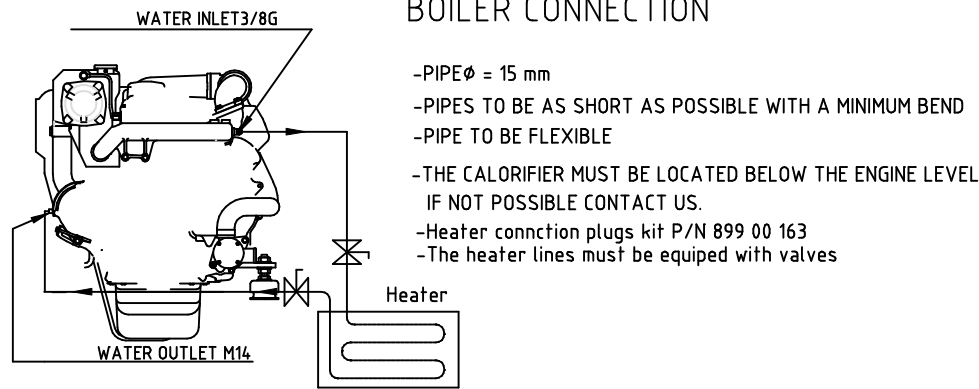
Tape measure method chart
Standard "X" dimension

Transom angle	"X" dimension
16°	364 mm
15°	362 mm
14°	360 mm
13°	359 mm
12°	357 mm
11°	356 mm
10°	354 mm

Engine	Gear Ratio	Drive type	Propeler material	Pitch (inch)	Engine RPM		
					Idle	MAXI In load	MAXI Unloaded
Z.4.380TDI	1.65	Bravo 1	Alu	17-29	800+20	3600	4100/4300
	1.81	Bravo 2	Alu	11-25			
	2	Bravo 3	SS	20-30			
Z.4.390TDI	1.65	Bravo 1	Alu	17-29	800+20	3600	4100/4300
	1.81	Bravo 2	Alu	11-25			
	2	Bravo 3	SS	20-30			



BOILER CONNECTION

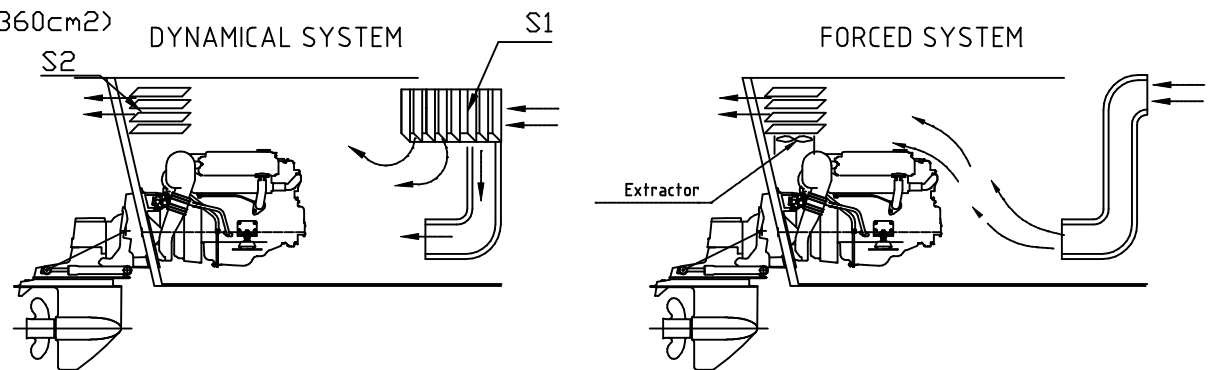


-VENTILATION SYSTEM
-DYNAMICAL (FOR FAST BOAT)
-FORCED (BY FAN)
-AIR NEEDS .
a) OUTLET OF WARM AIR : 788 m³/h (900 m³/h)
b) ENGINE AIR CONSUMPTION : 510 m³/h (620 m³/h)
TOTAL : 1298m³/h (1520 m³/h)

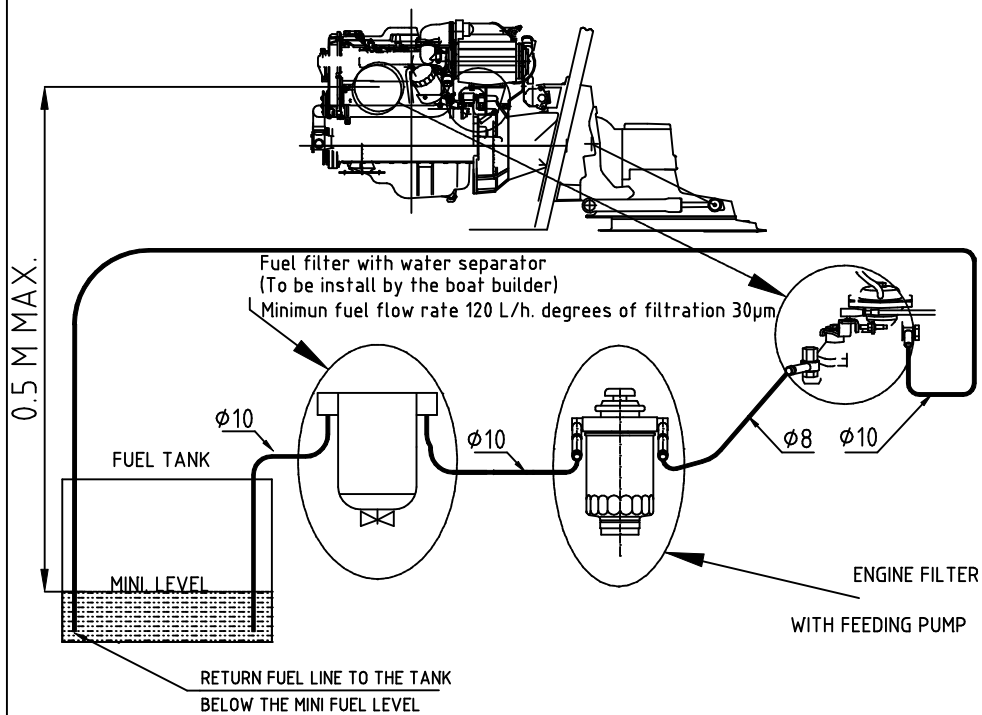
-ENGINE ROOM TEMPERATURE
-NO MORE THAN 50°C
-WITH 15°C DIFFERENCE (20°C MAX.) WITH AMBIENT TEMPERATURE

-AIR FLOW
-FRESH AIR INLET, ON THE FRONT IN THE LOWER PART OF THE ENGINE ROOM
AND WARM AIR OUTLET ON THE BACK IN THE UPPER PART
-AVOID SHORT-CIRCUIT BETWEEN INLET AND OUTLET
IN ORDER TO HAVE A MAXIMUM AIR MOVE

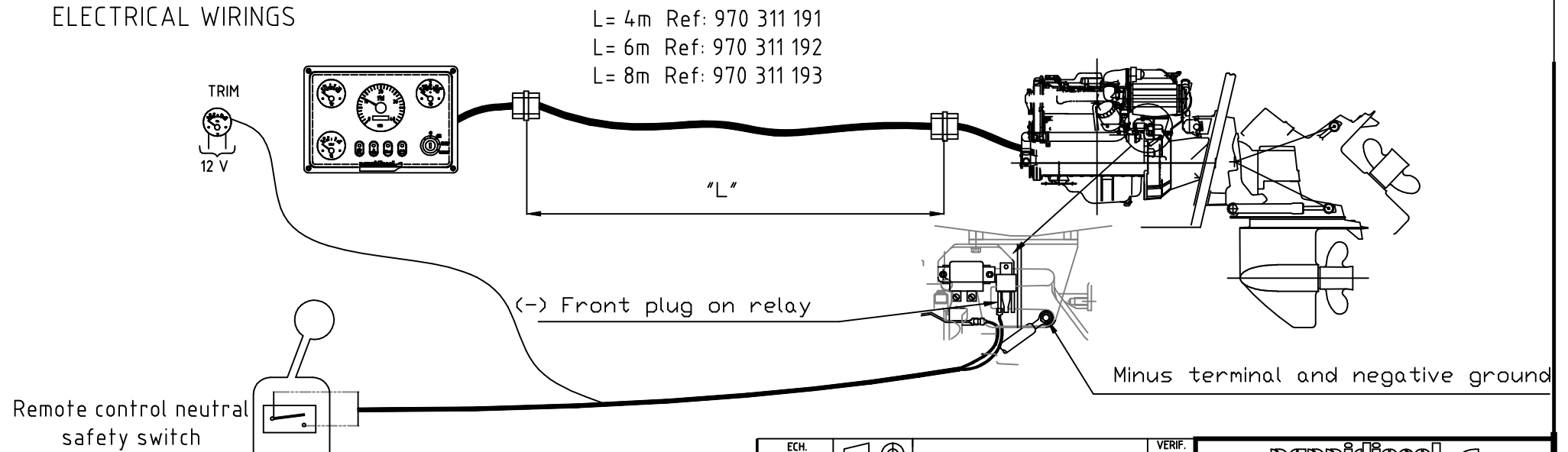
AIR REQUIREMENT



FUEL CONNECTIONS



ELECTRICAL WIRINGS



Additional Z-Drive harness 4m Ref: 674 409
Additional Z-Drive harness 6m Ref: 674 410
Additional Z-Drive harness 8m Ref: 674 411

ECH.	DESSINE LE	02/04/03	PAR PL	VERIF.
INSTALLATION DETAILS				
Z-4.380TDI-Z-4.390TDI				
IND A le 23/05/03				

NANNI INDUSTRIES
 Z1 - Av. Mariotte - BP 107
 33260 LA TESTE - FRANCE