

ELECTRIC PROPULSION	PORT	STARBOARD
GENERATORS		
EXCITERS		
AIR COOLERS		
MOTORS		
AIR COOLERS		
CONTROL GEAR		
INSULATION RESISTANCE		
INSULATING OIL TEST		
OVERSPEED GOVERNORS		

MAGNETIC COUPLINGS & AIR CAPS	
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MINIMUM NUMBER OF GENERATORS REQUIRED
FOR ESSENTIAL SERVICES

MOTOR SHIP SURVEYS

PORT MAIN ENGINE		No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
CYLINDERS, PISTONS, RODS, VALVES & GEARS													
CONNECTING RODS, TOP ENDS & GUIDES													
CRANKPINS & BEARINGS													
JOURNALS & BEARINGS													
SCAVENGE PUMPS													
SCAVENGE BLOWERS				COMPRESSORS ON MAIN ENGINE					COMPR. COOLERS				
SUPERCHARGER				CLUTCH OR COUPLING					GEARING				
THRUST				INTERMEDIATE SHAFTING									
HOLDING DOWN BOLTS & CHOCKS				CRANKCASE RELIEF DEVICES					ENGINE TEST				
MAIN ENGINE DRIVEN PUMPS	BILGE		S.W. COOLING			F.W. COOLING			LUB. OIL		FUEL		

AUXILIARY ELECTRICAL EQUIPMENT	
GENERATORS	CABLES
MOTORS	INSULATION RESISTANCE
SWITCHBOARDS	STEERING
CIRCUIT BREAKERS	NAV. LIGHT. INDICATORS

AUXILIARY ENGINES			
NUMBER & DESCRIPTION	P.F. (IN)	P.F. (out)	P.A.
3-200 kW	Nº 1	Nº 2	Nº 3
INDEPENDENT PUMPS FOR AUX. ENGINES	SW.	FW.	

Name AZUMASAN MARU 7E

STARBOARD MAIN ENGINE	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12
CYLINDERS, PISTONS, RODS, VALVES & GEARS	1263					1263						
CONNECTING RODS, TOP ENDS & GUIDES				1263								
CRANKPINS & BEARINGS						1263						
JOURNALS & BEARINGS				1263								

SCAVENGE PUMPS						
SCAVENGE BLOWERS <u>2</u>		COMPRESSORS ON MAIN ENGINE			COMPR. COOLERS	
SUPERCHARGER		CLUTCH OR COUPLING			GEARING	
THRUST		INTERMEDIATE SHAFTING			Nº 4 - 12.63	
HOLDING DOWN BOLTS & CHOCKS		CRANKCASE RELIEF DEVICES			ENGINE TEST	
MAIN ENGINE DRIVEN PUMPS	BILGE <u>1</u>	S.W. COOLING		F.W. COOLING		LUB. OIL
	12.63	BILGE & SANIT. <u>2</u>				FUEL

INDEPENDENT PUMPS	BILGE	BALLAST	FUEL TRANSFER	FUEL PRIMING SURCHARGE
	1	1	1	
	S.W. COOLING	F.W. COOLING	LUB. OIL	FUEL VALVE COOLING
	12.63	1	2 S.A. 12.63	2
FORCED CIRCULATION PUMPS	FEED	GENERAL SERVICE	F. W. COOLERS	LUB. OIL COOLERS
	2 Upper Lower 12.63	1 12.63	1	1
OTHER PUMPS WITH BILGE CONNECTIONS				

BILGE, BALLAST & O.F. LINES	EVAPORATOR SAFETY VALVES	PROPELLERS SEA CONNECTIONS
OTHER PIPING ARRGTs. & FITTINGS	CONDENSER	STEAM PIPES OVER 3" BORE
OIL FUEL TANKS	OIL BURNING SYSTEM GRAVITY	STARTING AIR PIPES
STEERING MACHINERY	WINDLASS	FIRE EXT. SYSTEM
INDEP. AIR COMPRESSORS		
	2 ED 1 Hand	
MAIN AIR RECEIVERS	P.F. - 12.63	AUXILIARY AIR RECEIVERS
	2 P.A.	2