

현대중공업 선장설계부 호선 사양서 비교 프로그램

비교 결과: 선종 - 174K LNGC

표준 사양서	프로젝트 사양서	비교 결과
<p>5.6 WATER BALLAST SYSTEM</p> <p>The ballast pumps to be provided in the engine room and to supply sea water to IG cooling water service as follows.</p> <p>No. Two(2) sets Type Vertical, single stage, centrifugal Prime mover Single speed electric motor Discharge rate 2,300 m3/hr Total head 30 m at S.G 1.025</p> <p>Material Refer to Section 7</p> <p>The ballast pumps are to have remote start/stop control, and suction and discharge pressure monitoring in the CCR integrated into the IAS, as well as local control.</p> <p>The ballast system is to consist of a ring main with branches to each ballast tank.</p> <p>All designated ballast tanks including peak tank which may be used for ballast</p>	<p>5.6 WATER BALLAST SYSTEM</p> <p>The ballast pumps to be provided in the engine room and to supply sea water to IG cooling water service as follows.</p> <p>No. Three(3) sets Type Vertical, single stage, centrifugal Prime mover Single speed electric motor Discharge rate 2,500 m3/hr Total head 35 m at S.G 1.025</p> <p>Material Refer to Section 7</p> <p>The ballast pumps are to have remote start/stop control, and suction and discharge pressure monitoring in the CCR integrated into the IAS, as well as local control.</p> <p>The ballast system is to consist of a ring main with branches to each ballast tank.</p> <p>All designated ballast tanks including peak tank which may be used for ballast</p>	<p>5.6 WATER BALLAST SYSTEM</p> <p>The ballast pumps to be provided in the engine room and to supply sea water to IG cooling water service as follows.</p> <p>No. Two(2) Three(3) sets Type Vertical, single stage, centrifugal Prime mover Single speed electric motor Discharge rate 2,300 [^] 2,500 [^] m3/hr Total head 30 35 m at S.G 1.025</p> <p>Material Refer to Section 7</p> <p>The ballast pumps are to have remote start/stop control, and suction and discharge pressure monitoring in the CCR integrated into the IAS, as well as local control.</p> <p>The ballast system is to consist of a ring main with branches to each ballast tank.</p> <p>All designated ballast tanks including peak tank which may be used for</p>

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<p>water tanks to be capable of being filled or discharged by any ballast pump.</p> <p>Surge protection devices (vibration type level switch) to be fitted at ballast main lines (4 - fore & aft, P&S) for interlock of ballast pump start and concerned valve operation when ballast main lines are not suitably flooded.</p>	<p>water tanks to be capable of being filled or discharged by any ballast pump.</p> <p>Surge protection devices (vibration type level switch) to be fitted at ballast main lines (4 - fore & aft, P&S) for interlock of ballast pump start and concerned valve operation when ballast main lines are not suitably flooded.</p>	<p>ballast</p> <p>water tanks to be capable of being filled or discharged by any ballast pump.</p> <p>Surge protection devices (vibration type level switch) to be fitted at ballast main lines (4 - fore & aft, P&S) for interlock of ballast pump start and concerned valve operation when ballast main lines are not suitably flooded.</p>
<p>5.7 BILGE SYSTEM</p> <p>The bilge pumps to be provided in the engine room and to handle bilge water removal as follows.</p> <ul style="list-style-type: none"> No. Two (2) sets Type: Vertical, single stage, centrifugal Prime mover: Single speed electric motor Discharge rate: 150 m³/hr Total head: 25 m at S.G 1.025 Material: Refer to Section 7 <p>The bilge pumps are to have remote start/stop control, and suction and</p>	<p>5.7 BILGE SYSTEM</p> <p>The bilge pumps to be provided in the engine room and to handle bilge water removal as follows.</p> <ul style="list-style-type: none"> No. Two (2) sets Type: Vertical, single stage, centrifugal Prime mover: Single speed electric motor Discharge rate: 200m³/hr Total head: 30 m at S.G 1.025 Material: Refer to Section 7 <p>The bilge pumps are to have remote start/stop control, and suction and</p>	<p>5.7 BILGE SYSTEM</p> <p>The bilge pumps to be provided in the engine room and to handle bilge water removal as follows.</p> <ul style="list-style-type: none"> No. Two (2) sets Type: Vertical, single stage, centrifugal Prime mover: Single speed electric motor Discharge rate: 150 m³/hr 200m³/hr +++ Total head: 25 30 m at S.G 1.025 Material: Refer to Section 7 <p>The bilge pumps are to have remote start/stop</p>

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<p>discharge pressure monitoring in the CCR integrated into the IAS, as well as local control.</p> <p>The bilge system is to consist of a main bilge line with branches to each bilge well in the engine room, cargo holds, and other designated compartments.</p> <p>All bilge wells to be capable of being emptied by any bilge pump.</p> <p>Surge protection devices (vibration type level switch) to be fitted at bilge main lines (2 - fore & aft) for interlock of bilge pump start and concerned valve operation when bilge main lines are not suitably flooded.</p>	<p>discharge pressure monitoring in the ECR integrated into the IAS, as well as local control.</p> <p>The bilge system is to consist of a main bilge line with branches to each bilge well in the engine room, cargo holds, and other designated compartments.</p> <p>All bilge wells to be capable of being emptied by any bilge pump.</p> <p>Surge protection devices (vibration type level switch) to be fitted at bilge main lines (2 - fore & aft) for interlock of bilge pump start and concerned valve operation when bilge main lines are not suitably flooded.</p>	<p>control, and suction and discharge pressure monitoring in the CCR ECR integrated into the IAS, as well as local control.</p> <p>The bilge system is to consist of a main bilge line with branches to each bilge well in the engine room, cargo holds, and other designated compartments.</p> <p>All bilge wells to be capable of being emptied by any bilge pump.</p> <p>Surge protection devices (vibration type level switch) to be fitted at bilge main lines (2 - fore & aft) for interlock of bilge pump start and concerned valve operation when bilge main lines are not suitably flooded.</p>

비교 보고서

[차이점 분석]

차이점 1:

- 표준 사양서: 5.6 BALLAST SYSTEM

- 표준 사양서에서는 볼라스트 펌프가 2개의 세트로 명시되어 있고, 펌프의 특성은 수직형, 단일 단계, 원심 펌프, 주 동력은 단일 속도 전기 모터, 배출량은 2,300 m³/hr, 총 헤드는 30m이며, 재료는 섹션 7을 참조하라고 명시되어 있습니다. 또한, 볼라스트 펌프는 원격 시동 및 정지 제어, CCR에 통합된 IAS 내 흡입 및 배출 압력 모니터링 및 현지 제어가 가능하도록 설계되어야 합니다. 볼라스트 시스템은 각 볼라스트 탱크로의 분기가 있는 링 메인으로 구성되어야 합니다. 모든 지정된 볼라스트 탱크는 볼라스트 펌프에 의해 충전 또는 방출될 수 있어야 합니다. 볼라스트 주 라인에는 파도 보호 장치(진동형 레벨 스위치)가 장착되어 있어야 하며, 볼라스트 주 라인이 적절하게 침수되지 않은 경우 볼라스트 펌프 및 관련 밸브 작동을 위한 인터록이 이루어져야 합니다.

- 프로젝트 사양서: 5.6 BALLAST SYSTEM

- 프로젝트 사양서에서는 볼라스트 펌프가 3개의 세트로 명시되어 있고, 나머지 특성은 표준 사양서와 동일하나, 배출량은 2,500 m³/hr, 총 헤드는 35m로 변경되었습니다. 그 외에는 표준 사양서와 동일한 내용이 명시되어 있습니다.

- 차이점: 5.6 볼라스트 시스템

- 프로젝트 사양서에서는 볼라스트 펌프의 세트 수가 2개에서 3개로 증가하였고, 배출량은 2,300 m³/hr에서 2,500 m³/hr로, 총 헤드는 30m에서 35m로 변경되었습니다.

차이점 2:

- 표준 사양서: 5.7 BILGE SYSTEM

- 표준 사양서에서는 빌지 펌프가 2개의 세트로 명시되어 있고, 펌프의 특성은 수직형, 단일 단계, 원심 펌프, 주 동력은 단일 속도 전기 모터, 배출량은 150 m³/hr, 총 헤드는 25m이며, 재료는 섹션 7을 참조하라고 명시되어 있습니다. 또한, 빌지 펌프는 원격 시동 및 정지 제어, CCR에 통합된 IAS 내 흡입 및 배출 압력 모니터링 및 현지 제어가 가능하도록 설계되어야 합니다. 빌지 시스템은 엔진실, 화물칸 및 지정된 구획의 각 빌지 웰로 브랜치가 있는 주

출력