



# AMPHIBIOUS HYDRAULIC UNDERCARRIAGE



**UNDERCARRIAGE MODEL: WMB50503018CR**

## INDIVIDUAL PONTON SHIPPING WEIGHTS & DIMENSIONS

**HEIGHT..... 1.75 M (5.79 FT)**

**LENGTH..... 10.14 M (33.25 FT)**

**WIDTH..... 2.15 M (7.08 FT)**

**WEIGHT..... 9,072 KG (20,000 LB)**

**BASIC UNDERCARRIAGE WEIGHT: 19,051 KG (42,000 LB)**

**UPPER CAPACITY: 14,969 KG (33,000 LB)**

**GROSS WEIGHT: 34,019 KG (75,000 LB)**



# WMBS0503018CR AMPHIBIOUS HYDRAULIC UNDERCARRIAGE SPECIFICATIONS

## PONTOON CONSTRUCTION

HIGH-STRENGTH, LOW ALLOY, WEATHERING A606-4 STEEL PLATE IS USED IN FABRICATION OF THE WILCO PONTOONS. THIS STEEL HAS 5 TO 8 TIMES THE ATMOSPHERIC CORROSION RESISTANCE AND 20% MORE TENSILE STRENGTH THAN SIMILAR SIZE A36 STRUCTURAL PLATE STEEL. EACH PONTOON HAS 5 BULKHEADS, PROVIDING 6 INDEPENDENT WATERTIGHT COMPARTMENTS. THE BOTTOMS OF THE PONTOONS ARE REINFORCED FOR ROUGH TERRAIN OPERATIONS.

## TRACK SHOES

SPECIALLY DESIGNED MARINE GRADE, EXTRUDED 6061-T6 ALUMINUM ALLOY CLEATS WITH 2 UHMW WEAR PADS ARE CAPABLE OF SUPPORTING THE PONTOON AND ITS PAYLOAD.

## DRIVE CHAINS

ENGINEERING CLASS 3.067 INCH PITCH HIGH STRENGTH, HEAVY-DUTY OFFSET DRIVE CHAIN IS USED TO TRANSFER POWER FROM THE TWO-STAGE PLANETARY FINAL DRIVE GEAR BOXES TO THE DRIVE SHAFT SPROCKET ON EACH TRACK.

## TRACK CHAINS

THREE STRANDS OF SPECIALLY DESIGNED, HEAVY DUTY, 4 OR 5 INCH PITCH MARSH BUGGY TRACK CHAIN ARE INSTALLED ON EACH PONTOON. THE HARDENED TRACK CHAIN ROLLERS RUN IN PONTOON CHANNELS LINED WITH AN ABRASIVE RESISTANT HARDOX WEAR BAR. DRIVE AND IDLER SHAFT SPROCKETS ARE FLAME HARDENED TO MATCH THE HARDNESS OF THE TRACK CHAIN ROLLERS.

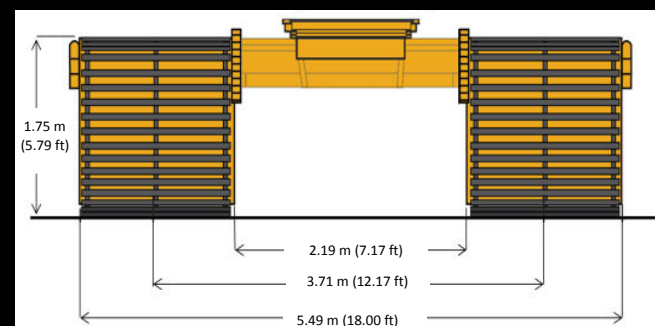
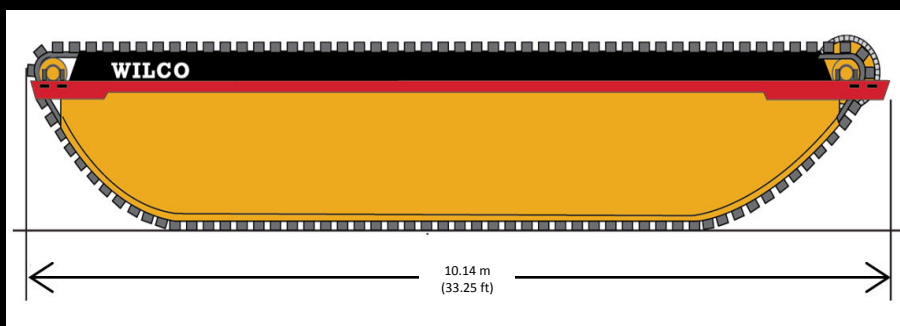
## CARBODY

WILCO'S SPECIALLY DESIGNED CARBODY IS BUILT TO ACCEPT UP TO A 33,000 LB. UPPER STRUCTURE, WHICH MAKES ASSEMBLY AND DISASSEMBLY FASTER AND EASIER.

## DRIVE SYSTEM

POWER FOR THE PONTOON TRACKS IS PROVIDED BY THE EXCAVATOR'S DIESEL ENGINE AND MAIN HYDRAULIC PUMPS THROUGH A HYDRAULIC SWIVEL. HYDRAULIC TRAVEL MOTORS AND BRAKES ARE MATED TO THE SEALED PLANETARY FINAL DRIVES TO PROVIDE INDEPENDENT POWER TO EACH PONTOON TRACK. STANDARD EXCAVATOR TRAVEL CONTROLS ARE USED.

\*ALL MEASUREMENTS AND CALCULATIONS ARE APPROXIMATE



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