



HYDRAULIC TOWING APPARATUS

PRODUCT DESCRIPTION

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DESCRIPTION: all apparatus in kept in working condition

WINDLASS: Type AV-21/26-24 U2

Spec. W 1475-50

components:

Hydraulic motor W0985-84

2 guide rollers

1 towing drum

2 warping heads

2 gypsy wheels

2 clutches

1 hydraulic/manual brake for towing drum

2 manual brakes for anchor chains

TOWING WINCH: Type 1S-15-1T

Spec. W1475-12

No.9203 781

Hydraulic motor W1475-65

staple, fairleads

performances as per constructor, with actual pumps are:

1 range 15 tons at appr. 0-25,5 m/min

2 range 6 tons at appr. 0-51,0 m/min

slack rope speed 0-56 m/min

components:

1 guide roller

1 towing drum

1 warping head

1 clutch





1 hydraulic/manual brake
1 towing hook
1 towing arch guide

PUMP: Type SNH-2200-46 for 600-900 rpm
approx. 45 bar
serial number: X 69095/001
RPM 650 850 950
power consump. (KW) 81 106 119
oil delivery (l/min) 765 1165 1300

El. Hydraulic Pump Unit Type N/A 210 50 bar
for 380v / 50 Hz / 3 AC, including Star Delta starter

TECHNICAL DATA

speed: 1450 rpm
net oil delivery: 170 l/min
power consumption: 18,8 Kw
electric motor: ABB motors
electric power supply: 380v, 50Hz AC
starter type: star delta starter
acc. to the rule of certificate R.I.N.A.



Full flow combifilter type 114,3

TECHNICAL DATA

max oil flow: 1200 l/min
working pressure: 50 bar
pressure drop at max oil flow and viscosity 37.5 cSt: 0,4
bar

installation equipment

one separate safety valve
one expansion tank "BJONNESTIKKA A/S" 75 liters
one three way valve
one oil cooler type FG120 -3877-3

El. Hydraulic remote control system

towing winch remote controls:
one remote control panel for bridge
one slave unit
both with function as follow:
speed control



heave/lower
range selectors (with visual lights)
brakes on/off (with visual lights)
clutches in/out (with visual lights)
quick release of wire
start/stop of pumps units type N/A 210 and N/A 40

windlass remote controls:
one remote control panel for bridge with following functions:
heave/stop/lower
clutch
brake
quick release

pump room:
one el.hydr. servo pump N/A 40
block valves
relief valve
hydr. lock valves
hydr. oil accumulator



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