Unit no. HHD-05

IKM Testing AS

HYDRAULIC HOSE REEL

Dimensions

Length(mm).....: 3550 Width(mm).....: 2500 Height(mm).....: 3300
Weight (kg).....: 11800
Lifting/ Transportation.....: Frame with forklift channels and lifting slings. DNV 2.7-1
(Weight includes 500mtr hose mounted)
Certificate(s) / Serial No:.....: HHD-05

Construction year

Built.....: 2006

Area of use / certification

Onshore/offshore.....: Offshore

Hose

Type.....: Umbilical hose with 4 ea. Spir Star 20/45040-12
Length (mtr).....: 550
Work Pressure WP (bar).....: 690
Hose weight (dry) (kg/mtr).....: 7.70
ID (mm).....: 18.8
OD (mm).....: 77.0
Bend radius minimum (mm).....: 500
Innercore.....: Polyamide
Steelcords.....: 4 layers per hose

Flow / Pressure / Volume

P max (swivel/reel) (bar).....: 1050
Inner diameter drum (mm).....: 1000
Outer diameter drum (mm).....: 2600
Width drum (mm).....: 1200
Storage capacity drum.....: 500 m (9 layer of hose bundle Ø75mm (4 ea ¾" hose)
Spool speed.....: 0 – 35 mtr/min
Max pull-in force (inner layer).....: 5000 kg
Brake.....: Hydraulic

Connections

Inlet connection.....: 4 ea. ½" NPT female (ballvalve connected to swivel)
Outlet connection.....: 4 ea. M36

Pump(s)

Pump1 (type).....: 2 ea. Eaton Vane pump VMQ
HPU : 150 bar working pressure
Accumulator : 500 bar

Motor / Engine(s)

Motor1 (type).....: 2ea. 30 Kw Busck T3CR180LB-4
Motor1 (Cert. No.).....: 1ea. 180947112. 1ea. 180947114

Power supply

Fuse (qty).....: 1 Fuse (A)....: 80
El.Power1.....: 400V ("slow" fuse) (Hz).....: 50/60 (kW).....: 30 (A).....: 57,1
El.Power2.....: 400-480V (Hz).....: 50/60 (kW).....: 34,5 (A).....: 57,1
El.Power3.....: 660-690V (Hz).....: 50/60 (kW).....: 30 (A).....: 33,5
Starter.....: Industrial

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Filter

Filter outlet (qty)....:	1	Filterhouse (type).:	FMP135-2-BA-G2-A10N-V7	Filterelement (type).:	P171738
Filter inlet (qty)....:	1	Filterhouse (type).:	MPF1811AGIP01	Filterelement (type).:	MF1801, P171537

Additional information

Equipment / Functions....: Hoseweight : 7,7 kg/mtr dry / 4,6 kg/mtr in water (filled with water)
ID/OD hose : ID 18,8 mm, OD 28,8 mm Per hose / OD 77 mm for hosebundle

Equipment/Functions :
- Breathing filter (Filterelement air : 934332T), level glass, pressure relief valve, pressure gauge
- Shearing machine to cutting of hose, operated by own accumulator.
- It is also mounted hand pump as extra safety
- Delivered with a full oil tank.
- 30 l/min. cooling at max. load of unit.