

HYDRAULIC TOWING WINCH VVH 1WK (EMULSION DRIVE)

Use and description:

Hydraulic towing winch **VVH 1WK** (hereinafter only winch) is a trackage equipment with emulsion drive enabling to achieve big towing force at small velocity, e.g. during the handling mechanical supports in working faces etc.

The winch consists of a frame, hydraulic – **emulsion** – drive, gearing, rope seating device, limiting rollers, drum cover, band brake with pedal control and anchoring frame. Due to the gearing two rope speeds are possible to set – towing and unwinding. The control of the winch is using the hydraulic control box and with a throttle valve located in operating space. The cover of the drum is possible to open. It is made from circular bars and so the rope watching and operator's safety is assured during the operation.



VVH 1 WK

Characteristics:

Type		VVH 1 WK	
		Winding	Unwinding
Medium pull in rope	kN	46.6	–
Highest pull in rope with empty drum	kN	58.2	–
Lowest pull in rope with fully winded drum	kN	38.8	–
Rope medium velocity	m.s ⁻¹	0.28	1.52
Roe highest velocity wit fully winded drum	m.s ⁻¹	0.34	1.82
Rope lowest velocity with empty drum	m.s ⁻¹	0.23	1.21
Motor		emulsion	emulsion
Motor output	kW	15	15
Pressure liquid		emulsion HFA with min. 1.50% concentration or hydraulic liquid having a viscosity of 46 mm ² .s ⁻¹ at 40°C	
Working liquid max. pressure	MPa	32	32
Filtration of working liquid	µm	50	50
Drum diameter	mm	300	300
Rope length ø 20 ČSN 02 4342.41	m	125	125
Rope length ø 18 ČSN 02 4342.61	m	135	135
Dimensions (w x h x l)	mm	975x610x1 235	975x610x1 235
Weight	kg	1 015.0	1 015.0

Type marking:

VVH 1 WK
 VVH HYDRAULIC TOWING WINCH
 1 type number
 WK WATER KOEXPRO

The product has been designed and constructed as the equipment group I (mine), category M2 according to the Directive 94/9/EC of the European Parliament and of the Council and meets the requirements for using in areas "dangerous atmospheric conditions 2" according to EN 1127-2+A1 on condition that all national regulations of the employer are fulfilled.

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