RAPP MARINE GROUP

Serie TWS-35000

TWS-35000, our new ultimate winch consept.
The most powerful heavy duty trawl winch available.
Developed for the new class of super pelagic trawlers and installed on:

ATLANTIC DAWN
WILLEM VAN DER ZWAN

GENERAL INFORMATION

Drum Core	Drum Flanges	Brake holding capacity	
		"Fail safe"	Trawl operation
ø 710 mm	ø 2300 mm	53400 kpm	114000 kpm

WIRE CAPACITY ON STANDARD WINCHES

Standard models	Drum lenghts	Weight Kgs	Wire Capacity			
			ø 40 mm	ø 42 mm	ø 44 mm	ø 48 mm
TWS-35060	2300 mm	20000	5000 m	4470 m	4040 m	3490 m
TWS-35080	2600 mm	23000	5700 m	5050 m	4590 m	4010 m

PULL AND SPEED CAPACITY

Standard displacements	Pull First Layer 175/190 bar	Pull Half Lenght 175/190 bar	Pull Full Drum 175/190 bar	Required Oil Flow at 40 m/min. 1st. Layer	Power requirement at 40 m/min. Ist. Layer
115,12 l/rev	79,3/86,1 t	35,6/38,6 t	27,4/29,7 t	1292 l/min	507/545 kW
138,14 l/rev	95,2/103,3 t	42,7/46,4 t	32,6/35,6 t	1550 l/min	608/654 kW
161,17 l/rev	111,0/120,5 t	49,8/54,1 t	38,3/41,6 t	1809 l/min	709/763 kW
184,19 l/rev	126,9/137,8 t	56,9/61,8 t	43,8/47,5 t	2067 l/min	811/871 kW

Trawl winches for automatic systems are based on a cross port pressure of 175 bar.
Other applications may be based on a cross port pressure of 190 bar.