

01 Specs 01Titel	SPA 280-13	20.03.17 KF VS.01	Project No.
Item / No.	Description/ Quantity/ Unit	Unit price	Total price
01.1 Position	<p>Description: Submersible pump, suitable for clean water. Can be installed vertically or horizontally. The pump is fitted with sand shield, lip seal, water-lubricated journal bearings and a volume compensating diaphragm. The motor is a canned type submersible motor offering good mechanical stability and high efficiency.</p> <p>Suitable for wet assembly.</p> <p>Environmental conditions for wet application (waterquality): Installation and operation in fresh-, pool- and seawater.*</p> <p>Technical data:</p> <p>Weight: 2900 Kg Dimensions (Lx W x H): 1544x310x314 [mm] incl. Filter Speed for pump data: 2900 1/min Rated flow: 215 m³/h Rated head: 23 m Approvals on nameplate: CE,GOST2 Curve tolerance: ISO9906:2012 3B Motor version: T40</p> <p>Materials:</p> <p>Pump: Stainless steel /EN 1.4301/ AISI 304 Impeller: Stainless steel /EN 1.4301/ AISI 304 Motor: Stainless steel /EN 1.4301/ AISI 304 Shaft seal for motor: CER/CARNBR</p> <p>Installation:</p> <p>Pump outlet (Inside thread): RP6</p> <p>Electrical data:</p> <p>Motor type: MS6000 Rated power - P2: 18.5 kW Power (P2) required by pump: 18.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 400 V Rated current: 41.0 A Starting current: 5,6 Cos phi- power factor: 0.82 Rated speed: 2880 1/min Start method: Star/Delta (Y/D) Enclosure class (IEC 34-5): IP68 Insulation class(IEC 85): F</p>		

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	*					
	water-quality-matrix					
		Freshwater	Poolwater	Seawater		
	PH.Value	7,2 -7,6	7,2 -7,6	8		
	Hardness	8 -15 ° DH; 142 -267 ppm CaCo3	8 -15 ° DH; 142 -267 ppm CaCo3	20 -30 ° DH; 356 - 534 ppm CaCo3		
	Free Chlorine	< 0,3 mg/l; < 0,036 moz/gal	0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal	< 0,3 mg/l; < 0,036 moz/gal		
	Chlorine concentration	< 250 mg/l; < 30,28 moz/gal	< 200 mg/l; < 24,2 moz/gal	<=22000 mg/l; <=2664 moz/gal		
	Salinity	n. d.	n. d.	<= 4%; <= 40.000 ppm		
	Total Dry Residue	< 50 mg/l; < 6,06 moz/gal	< 50 mg/l; < 6,06 moz/gal	< 250mg/l; < 30,28 moz/gal		
	Temperature	4 -35° C; 39 - 95 ° F	4 -30° C; 39 - 86 ° F	4 - 20 ° C; 39 - 68 ° F		
	<p>Supply and delivery according to manufacturer specifications.</p> <p>Product / proof of delivery: SPA 280-13 Art. 53865</p> <p>OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800</p> <p>(or equivalent) Entered by the bidder</p>					