

01 Specs 01Titel	SPA 162-1-13	20.03.17 KF VS.01	Project No.
Item / No.	Description/ Quantity/ Unit	Unit price	Total price
01.1 Position	<p><b>Description:</b>  <b>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.</b></p> <p>Suitable for wet assembly.</p> <p><b>Environmental conditions for wet application (waterquality):</b>  Installation and operation in fresh-, pool- and seawater.*</p> <p><b>Technical data:</b></p> <p>Weight: 85 Kg  Dimensions (Lx W x H): 1165x310x314 [mm]  incl. Filter  Speed for pump data: 2900 1/min  Rated flow: 125 m<sup>3</sup>/h  Rated head: 13 m  Approvals on nameplate: CE,GOST2  Curve tolerance: ISO9906:2012 3B  Motor version: T40</p> <p><b>Materials:</b></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><b>Installation:</b>  Pump outlet (Inside thread):</p> <p><b>Electrical data:</b></p> <p>Motor type: MS6000  Rated power - P2: 7.5 kW  Power (P2) required by pump: 7.5 kW  Mains frequency: 50 Hz  Rated voltage: 3 x 400 V  Rated current: 17.2 A  Starting current: 510%  Cos phi- power factor: 0.82  Rated speed: 2870 1/min  Start method: Star/Delta (Y/D)  Enclosure class (IEC 34-5): IP68  Insulation class(IEC 85): F</p>		

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	*				
	<b>water-quality-matrix</b>				
	<b>Freshwater</b>	<b>Poolwater</b>	<b>Seawater</b>		
PH.Value	<b>7,2 -7,6</b>	<b>7,2 -7,6</b>	<b>8</b>		
Hardness	<b>8 -15 ° DH; 142 -267 ppm CaCo3</b>	<b>8 -15 ° DH; 142 -267 ppm CaCo3</b>	<b>20 -30 ° DH; 356 - 534 ppm CaCo3</b>		
Free Chlorine	<b>&lt; 0,3 mg/l; &lt; 0,036 moz/gal</b>	<b>0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal</b>	<b>&lt; 0,3 mg/l; &lt; 0,036 moz/gal</b>		
Chlorine concentration	<b>&lt; 250 mg/l; &lt; 30,28 moz/gal</b>	<b>&lt; 200 mg/l; &lt; 24,2 moz/gal</b>	<b>&lt;=22000 mg/l; &lt;=2664 moz/gal</b>		
Salinity	<b>n. d.</b>	<b>n. d.</b>	<b>&lt;= 4%; &lt;= 40.000 ppm</b>		
Total Dry Residue	<b>&lt; 50 mg/l; &lt; 6,06 moz/gal</b>	<b>&lt; 50 mg/l; &lt; 6,06 moz/gal</b>	<b>&lt; 250mg/l; &lt; 30,28 moz/gal</b>		
Temperature	<b>4 -35° C; 39 - 95 ° F</b>	<b>4 -30° C; 39 - 86 ° F</b>	<b>4 - 20 ° C; 39 - 68 ° F</b>		
<p>Supply and delivery according to manufacturer specifications.</p> <p>Product / proof of delivery:  <b>SPA 162-1-13</b>  <b>Art. 53858</b></p> <p>OASE GmbH  Tecklenburger Str. 161  48477 Hörstel / Germany  Phone: +49 5454 800</p> <p>(or equivalent )  .....  Entered by the bidder</p>					