

| 01 Specs 01Titel | SPA 58-33 | 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: 54 Kg Dimensions (Lx W x H): 1150x225x229 [mm] incl. Filter Speed for pump data: 2900 1/min Rated flow: 46 m³/h Rated head: 25 m Approvals on nameplate: CE,EAC 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: HM/CER</p> <p>Installation:</p> <p>Pump outlet (Inside thread): RP3</p> <p>Electrical data:</p> <p>Motor type: MS4000 Rated power - P2: 5.5 kW Power (P2) required by pump: 5.5 kW Mains frequency: 50 Hz Rated voltage: 3 x 400 V Rated current: 13.0 A Starting current: 5,3 Cos phi- power factor: 0.81 Rated speed: 2860 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 | | |
| | Supply and delivery according to manufacturer specifications. | | | | | |
| | Product / proof of delivery: | | | | | |
| | SPA 58-33 Art. 53846 | | | | | |
| OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800 | | | | | | |
| (or equivalent) | | | | | | |
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| Entered by the bidder | | | | | | |