

Besteller / Orderer : S.AL Technologies Ltd
Projekt / Project : WWTP Ayalon
Angebots-Nr. / Quotation-No. : 4001933781
Auftrags-Nr. / Order-No. :
Pos.-Nr. / Item-No. : 100
Type / type : Amaline

Datum / Date: 19.07.2013

Seite / page: 1

Datenblatt / Data sheet

piece: 4

Pump Type: Recirculation pump Amaline P 280-801/164 UMG

Pumped Media:

Activated sludge
 Pumped liquid temp : 20 °C
 max. Admissible temp : 40 °C
 Density : 1000 kg/m³

Operating data:

Duty point 1
 Capacity : 3100 m³/h
 Total head : 0,5 m
 Pump power : 6,36 kW
 Efficiency : 66,2 %
 Rotational speed : 277 1/min

Pump Design:

Wet installed, horizontal propeller pump with submersible motor, with spur gear (DN 500/800) and ECB propeller with 3 fixed fibre rejecting blades.
 Drive : three-phase asynchronous motor
 Motor bearing : rolling element bearing – sealed for life with grease filling
 Gear unit bearing : oil – lubricated roller bearings (size 500/800)
 Shaft seal : 2 mechanical seals, independent of direction of rotation
 Propeller diameter : 781 mm
 Joining pipe : DN 800
 Cable entry : cast in resin, completely watertight over its entire length

Monitoring:

Winding temperature : Bimetallic switch
 Moisture : Leakage sensor in motor chamber

Drive - Motor Design:

Motor version	: UM	Explosion protection	: without
Motor size	: 164	Starting mode	: direct/star-delta mode
Motor rating P2	: 16 kW	Enclosure Type	: IP 68 to EN 60 529/ IEC 529
Mains voltage	: 400 V	Insulation Class	: F
Frequency	: 50 Hz	Cable type	: S1BN8-F 7G4+5x1.5
Nominal current	: 33,0 A	Cable diameter	: 21,0 – 23,0 mm
Starting current	: 200,0 A	Cable length	: 10 m
Motor speed	: 1465 1/min		

Material Design: G

Pump casing	: galvanised steel	Gear unit	: JL 1040
Propeller	: JL 1040	Seat ring holder	: JL1040
Propeller shaft	: 1.4122	Mechanical seal	: SiC/SiC-FPM
Motor shaft	: C45+N	O-Ring	: NBR
Motor casing	: JL 1040	Bolts	: A4(=1.4571)
Bearing bracket	: JL 1040		

Pump Weight:

461 Kg

Accessories:

Guide piece: standard length 1 m, material in 1.4571
 extension 5 m, material in 1.4571
Lifting clamp

Acceptance Testing:


Hydraulic test: without

Coating:

Non-toxic KSB standard paint, colour RAL 5002 (blue), 100 µm

Documentation:

Operating instructions 1x English

Baureihe-Größe Type-Size Modèle	Tipo Serie Tipo	Nenn Drehzahl Nom. speed Vitesse nom.	Velocità di rotazione nom. Nominaal toerental Revoluciones nom.	Lauf rad-ø Impeller dia. Diamètre de roue	ø girante Waaier ø ø rodete	 KSB KSB Aktiengesellschaft Postfach 200743 06008 Halle (Saale) Turmstraße 92 06110 Halle (Saale)
Amaline P 280-801 /164 UMG		277 1/min		781 mm		
Projekt Project Projet	Progetto Projekt Proyecto	Angebots-Nr. Quotation No. N° de l'offre	N° offerta Offertenr. N° oferta	Pos.-Nr. Item No. N° de pos.	N° pos Pos. nr. N° de art	
WWTP Ayalon		4001933781		100		

