



Project no.: 2-98-04-0416
 Project: Kaveh Glass industry group
 Date: 11-03-2019

TECHNICAL DATA SHEET MULTISTAGE PUMP

Rev.	Designation	EQUIP. NAME	Quantity
1	KMSH-RO-150-2500/5.D	High pressure RO pump	4

Pumped liquid				
Type	Sea water	Corrosive		
Nature	N/A	Temperature	Mini	Maxi
Density	998		° C	35° C
Content in solid body	35000 ppm	PH		
Viscosity	mm ² /s			

Running - Characteristics			
Point Nominal ISO 9906 Grade 3		Pump speed	2980 rpm
Flow	320 m ³ /h	Impeller diameter	TBS by vendor
Total Head	600 m	Number of stages	5
Pump efficiency	75%	Suction flange	DN200
NPSHr	7.5 m	Suction flange pressure	PN 40 bar-RF
Absorbed power	700 kW	Delivery flange	DN150
Recommended motor power with pelton turbine	750 kW	Delivery flange pressure	PN 160 bar-RF

Materials			
Suction casing	Duplex (1.4468)	Bearing lubrication	Oil Lubrication
Suction bushing	Duplex (1.4468)	Balance drum	Duplex(1.4462)
Delivery casing	Duplex (1.4468)	Bush	Duplex(1.4462)
Stage casing	Duplex (1.4468)	Coupling	by Vendor
Bearing housing	GG-25	Sealing	
Tie-roads	Carbon steel	• Type	Mechanical seal
Impeller	Duplex (1.4468)	Screw	Steel
Casing wear ring	Duplex (1.4468)		
Diffuser	Duplex (1.4468)		
Diffuser bushing	***		
Stuffing box housing	Duplex (1.4468)		
Pump shaft	Duplex(1.4462)		
Shaft protecting sleeve	Duplex(1.4462)		
Gaskets	Viton		

Driver informations			
Manufacturer	Out of KEC scope	Voltage	to be specified by Client
		F	50Hz
Nominal power	750 Kw	Phase	3
Nominal speed	2980 rpm	Insulation class	F
IP	55		

Pump model : KMSH-RO-150-2500/5.D

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Flow density: 998 kg/m³

Viscosity: 1 mm/s²

Speed of rotation: 2980 RPM

Number of stages: 5

KMSH-RO-150-2500/5.D

