

Technical Specification Sheet

WANGEN - Helical Rotor Pump

Customer BTS BIOGAS SRL/GMBH
Peter Kustatscher

Via San Lorenzo 34
I- 39031 Brunico/Bruneck (BZ)

Pump

Type:		KL65S 125.1
No:		938746
Pump execution:		horizontal / counter-clockwise
Medium:		fermentation substrate
Nominal speed of rotation:	r.p.m.	128 – 198 at 40 – 61 Hz
Flow rate:	l/h	50,000 – 80,000
Working pressure:	bar	1 - 3
Rotor:		1.2436 hardened
Stator:		NBR 440/60-ST
Joints:		Cardan joint with rubber collar, sealed
Sleeve:		NBR
Bearing housing:		Cast iron (GG 25)
Shaft sealing:		Face seal with integrated quench, SS/ST/NBR medium mineral oil-EXTRA
Suction nozzle:		cast iron, flange DN 150 / PN 16 DIN 2501
Flange position:*		to the top
Discharge nozzle:		cast iron, flange DN 150 / PN 16 DIN 2501
Joint ring:		NBR
Drive flange:		350
Shaft:		60
Paint:	RAL	5021
Explosion proof pump:		without

Drive

		Helical Gear Drive
		SEW
Type:		RF97DRE180L4/TF
Speed of rotation:	r.p.m.	158 at 50 Hz
Mount. pos., Pos. therm.box, cable entry:		B5(M1) T.B. 180° normal
Motor power output	kW	18.5
Duty type:		S1
Voltage:	V	230/400
Frequency:	Hz	50
Motor connection:		220-242 V/ 380 -420 V resp. 254 – 277 V / 440 – 480 V
Frequency:		50/60
Rated current	A	
Enclosure:		IP55
Thermal classification:		F
added motor protection:		with thermistor protection
Explosion-proof gear unit:		without
Explosion-proof motor unit:		without

Accessories

Pump fixing:	without
Temperature supervision:	PT 100 into the stator
Indicating device:	without
Pressure gauge:	without
	- quench container 0,2 l with holder

*) seen from drive shaft