

Pump Data Sheet

Pumpenfabrik Wangen GmbH

Description WANGEN BIO-MIX-Pumpe 165.1

Serial No. P944021



pump model	80
construction type of pump	KL-R
execution	paper
certificates & declarations	
declaration	declaration of incorporation
declaration of compliance with	with
pump label	Pumpenfabrik Wangen
nameplate	standard design
language	English
manual	by ISO
mounting position	horizontal, base of bearing block standard
rotating direction (viewn from	left
material of casing seals	NBR - nitrile butadiene rubber
shaft seal	cartridge mechanical face seal BARRIERE™
material of mechanical face se	ball bearing steel (1.3505)-1.3505-NBR, ST-housing
quench fluid	gearbox oil SAE 90
size of pumping set	165.1
rotor material	AISI D6 hardened
stator material	NBR, 69 Shore, steel jacket
conservation	lubricant based on silicone
material of spacer rings	steel
tie rod material	steel
material of the joint	nitrided stainless steel
type of joint	cardan joint - flange joint, hopper 500x1500
sleeve	NBR - nitrile butadiene rubber
hopper size	500x1500
hopper material	AISI 304 (1.4301)
lateral opening of the hopper	without
discharge nozzle	DN200/PN16, cast iron
set-up	base frame, steel
pump protection	with
temperature sensor	PT100
surface protection	standard design
Color	RAL 5021 water blue
drive	helical gear drive

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driving shaft	70
material of the shaft	AISI 304 (1.4301)
drive flange	outer diameter 450mm
helical gear drive selection	
efficiency class	IE3 - premium efficiency
type of gear box	RF107
manufacturer	SEW
power	30.0 kW
motor type	DRN200L4
shaft bearing	standard design
drive execution	Europe (CE)
drive flange	outer diameter 450mm
driving shaft	70
mounting position	M1 - horizontal
operation mode	S1 - permanent operation, constant load
rotation speed at 50Hz [rpm]	95
colour of the drive unit	RAL 5021 water blue
line frequency	50Hz resp. 60Hz
gear oil	standard design
class of insulation	F - Thermal classification 155
position of terminal box	180° (left, viewn from the output shaft)
surface protection	standard design
degree of protection	IP55
line voltage	220-230V/380-400V (50Hz), 254-266V/440-460V (60Hz)
temperature sensor - motor pro	temperature sensor
operating conditions	16B03181
pumping medium	Gärs substrat aus Gülle, Rezirkulat, kurzgehäckselte nawaRo
solid content	approx. 14 %
pH-value	n.n., assumed neutral
max. free ball passage	max. 120 mm
density	assumed 1 kg/dm ³
dynamic viscosity	flowable
capacity	approx. 80 m ³ /h
rot. speed	95 rpm at 50 Hz
operating hours per annum	

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differential pressure	
press./hopper	filling/feeding, regulation by customer
press./discharge nozzle	1 - 4 bar
installation area	inside building
ambient temperature	assumed 5 - 40 °C
process temperature	assumed 5 - 40 °C
note	As no zone is specified we act on the assumption
	Nicht-ATEX-Produkt aus und stellen keine
	ATEX-Bescheinigung aus.