

Pump Data Sheet

Pumpenfabrik Wangen GmbH

Description Pumpe WANGEN KL50S 114.1

Serial No. P943421



pump type	
pump model	50
construction type of pump	KL-S
operating and maintenance inst	
execution	paper
ATEX-execution	without
certificates & declarations	
declaration	declaration of conformity (CE)
declaration of compliance with	with
pump label	Pumpenfabrik Wangen
nameplate	standard design
language selection	
language	English
manual	by ISO
pump execution	
mounting position	horizontal, base of bearing block standard
rotating direction (viewn from	left
material of casing seals	NBR - nitrile butadiene rubber
shaft seal	
shaft seal	cartridge mechanical face seal SPECIAL™
cartridge mechanical face seal	
material of mechanical face se	silicon carbide-silicon carbide-HNBR, ST-housing
receiver tank	without
quench fluid	gearbox oil SAE 90
pumping set	
size of pumping set	114.1
rotor	
rotor material	AISI D6 hardened
stator	
stator material	NBR, 69 Shore, steel jacket
conservation	lubricant based on silicone
material of spacer rings	steel
tie rod material	steel
joint	

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type of joint	cardan joint - flange joint
sleeve and oil (sealed flange)	
sleeve	NBR - nitrile butadiene rubber
joint oil	without
suction housing	
suction housing material	cast iron
suction nozzle	
cast iron suction housing	
suction nozzle	DN150/PN16
position of suction nozzle	up
inspection port	standard design
discharge nozzle	
discharge nozzle	DN150/PN16, cast iron
accessories	
pump protection	with
temperature sensor	PT100
varnishing	
surface protection	standard design
Color	RAL 5021 water blue
drive	
driving shaft	50
material of the shaft	AISI 304 (1.4301)
drive	helical gear drive
drive flange	outer diameter 300mm
drive execution	
helical gear drive selection	
efficiency class	IE3 - premium efficiency
manufacturer	SEW
type of gear box	RF87
motor type	DRN160M4
power	11.0 kW
rotation speed at 50Hz [rpm]	111
line frequency	50Hz resp. 60Hz
line voltage	220-230V/380-400V (50Hz), 254-266V/440-460V (60Hz)
drive flange	outer diameter 300mm
driving shaft	50

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shaft bearing	standard design
mounting position	M1 - horizontal
position of terminal box	180° (left, viewn from the output shaft)
degree of protection	IP55
class of insulation	F - Thermal classification 155
operation mode	S1 - permanent operation, constant load
gear oil	standard design
temperature sensor - motor pro	temperature sensor - PTC thermistor
canopy	without
rpm sensor	without
forced cooling fan	without
brake	without
colour of the drive unit	RAL 5021 water blue
surface protection	standard design
condensation drain hole	without
drive execution	Europe (CE)
inspection document drive unit	without
operating conditions	16B01154
pumping medium	swine manure with tritcale and low shares of small chopped bovine manure
solids contents	max. 12 %
ph-value	unknown, ass. neutral
max. free ball passage	max. 81 mm
density	ass. 1 kg/dm ³
dyn. viscosity	ass. free flowing
flow rate	approx. 30 m ³ /h
rotation	111 1/min at 50 Hz
differencial pressure	5 bar
press. suction nozzle	feed ca. 1-2 mWS
press. discharge nozzle	5 bar
installation area	in the building

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ambient temperature	ass. 5 - 40 °C
process temperature	ass. 5 - 40 °C