

Description : Gear pump
Data sheet no. : 316542
Item-No. : 474276
Amendment date : 05.09.25
Customer number : 121456
Customer :

Reference : A2103903-10
Transaction : 2103903
Print date : 20.07.26

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Gear pump	R35/63 FL-Z-DB16-W-SAE2-R-P
Documentation	MZ330304-7
Shaft seal	Single radial shaft seal
Integrated pressure relief valve	Yes
Setting range [bar]	1...16
Connection on suction side	SAE2
Counter-flange	---
Connection-pressure side	SAE2
Counter-flange	---
Sense of rotation (seen on the shaft)	Clockwise
Net weight approx [kg]	10,3
Dimension (Length/Width/Height) [mm]	277/179/122
Performance data:	*
Operating data (General)	www.rickmeier.de/downloads/downloads
	Rickmeier Data Sheet R5
Operating data (specific)	*
Pumping medium	Lube oil ISO VG 32
	Start Nominal Max. Limit
Medium inlet temperature [°C]	20 40 80 20
Kinematic viscosity [mm²/s]	75 32 10 75
Inlet pressure in operation [bar]	0 0 0 0
Outlet pressure [bar]	9 9 9 -
Opening pressure (preset) [bar]	- - - 10
Speed [rpm]	1450 1450 1450 1450
Flow rate (calculated) [dm³/min]	86,2 84,2 80,2 85,8
Power consumption (calculated) [kW]	1,8 1,8 1,7 2
Recommended driving power [kW]	2 2 1,9 2,2
Materials:	*
Frame	5.1301 (EN-GJL-250)
Gear parts	1.7139 (16MnCrS5+FP)
Radial shaft seal	FKM
O-ring	FKM
Bearing bush	Lead-free bearing material
	on steel back
Counter-flange	---

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Installation condition:	*
Country of destination	---
Installation site	---
Absolute humidity of air [g/m ³]	< 30
Altitude above sea level [m]	< 1000
Ambient temperature [°C]	-20 ≤ Ta ≤ +60
Explosion protection	---
Coating:	*
Coating	RM-Standard 1005-C2
Referring to	ISO 12944-5/C2.07-PUR Zn(P0)
shade of colour	RAL 7021 (black grey)
base of the colour	2 K polyurethane base w. zinc phosphate
Nominal dry film thickness [µm]	80
Remark:	---
Test data (pump):	*
Pumping medium	Mineral oil HLP 22
Medium inlet temperature [°C]	32
Kinematic viscosity [mm ² /s]	33
Speed [rpm]	1450
Inlet pressure in operation [bar]	-0,1
Outlet pressure [bar]	9
Opening pressure (preset) [bar]	10
Test pressure (hydrostatic) [bar]	---
Test pressure (dynamic) [bar]	---
Flow rate (calculated) [dm ³ /min]	84,2
Flow rate (min.) [dm ³ /min]	80,0
Flow rate (max.) [dm ³ /min]	92,6