Description : Gear pump
Data sheet no. : 280675
Item-No. : 474397
Amendment date : 22.09.23
Customer number : 117918
Customer :

Reference : A2089270
Transaction : 2089270
Print date : 19.12.23

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Gear pump	R25/40 FL-M-G1-R-SO		
Documentation	MZ474397		
Shaft seal	Without		
Connection on suction side	G1		
Connection-pressure side	G1		
Sense of rotation (seen on the shaft)	Clockwise		
Net weight approx [kg]	4,6		
Dimension (Length/Width/Height) [mm]	201/98/85		
Performance data:	*		
Operating data (General)	www.rickmeier.de/downloads/downloads		
	Rickmeier Data Sheet R5		
Operating data (specific)			
Pumping medium	Lube oil ISO VG 32/46		
	Start	Nominal	Max.
Medium inlet temperature [°C]	-15	60	80
Kinematic viscosity [mm²/s]	2000	20	8
Inlet pressure in operation [bar]	0	0	0
Outlet pressure [bar]	3	3	3
Speed [rpm]	1500	1500	1500
Flow rate (calculated) [dm³/min]	59,2	54,3	51,5
Power consumption (calculated) [kW]	0,77	0,39	0,37
Recommended driving power [kW]	0,85	0,43	0,40
	*		
Speed [rpm]	1800	1800	1800
Flow rate (calculated) [dm³/min]	71,2	66,0	63,1
Power consumption (calculated) [kW]	1,02	0,48	0,45
Recommended driving power [kW]	1,13	0,53	0,50
Materials:	*		
Frame	5.1301 (EN-GJL-250)		
Gear parts	1.7139 (16MnCrS5+FP)		
Radial shaft seal	---		
O-ring	FKM		
Bearing bush	Lead-free bearing material		
	on steel back		
Coating:	*		

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Coating		unpainted
		Temporary protective film
		against corrosion by means
		of corrosion protection oil.
		e.g. BRANOTECT
Installation condition:		*
Country of destination		---
Installation site		---
Altitude above sea level	[m]	< 1000
Ambient temperature	[°C]	-20...60
Explosion protection		---
Remark:		---
Test data (pump):		*
Pumping medium		Mineral oil HLP 22
Medium inlet temperature	[°C]	30
Kinematic viscosity	[mm²/s]	33
Speed	[rpm]	1500
Inlet pressure in operation	[bar]	-0,1
Outlet pressure	[bar]	3
Test pressure (hydrostatic)	[bar]	---
Test pressure (dynamic)	[bar]	10
Flow rate (calculated)	[dm³/min]	55,4
Flow rate (min.)	[dm³/min]	52,6
Flow rate (max.)	[dm³/min]	60,9