



Specification Oil Supply

Technical data - gear ;lubrication

The drive unit must be equipped with safety devices that prevent it from being switched on unless the following parameter values are reached:

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|---|--------------------------------------|
| a) Normal operating temperature of oil | Toil norm = 40 - 50 °C |
| b) Minimum oil flow rate (2/3 Q _{oil}): | Q _{mind.} = 80 l/min |
| c) Normal oil pressure | P _{oil norm.} = 1,5 - 3 bar |
| d) Oil pressure (max. start-up pressure) | P _{oil Anf.} = 6 bar |
| e) Suction line is open | |

The drive unit must also be automatically switched off, if any of the following occur:

- | | |
|--------------------------------------|---------------------------------|
| a) Oil sump temperature | T _{sump} = 70 °C |
| b) Oil pressure - alarm | P _{alarm} = 1,0 bar |
| c) Oil pressure - automatic shutdown | P _{shutdown} = 0,8 bar |
| d) Max. oil pressure | P _{oil max} = 10 bar |

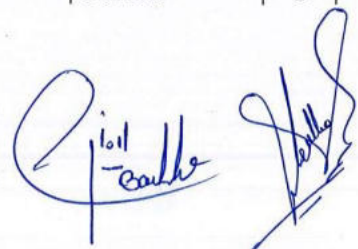
An acoustic or visual alarm signal must be activated.

Technical data - oil lubrication system

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|--|--|
| Pump capacity: | Q _{oil} = 120 l/min |
| Motor power: | P _{mot} = 5.5 kw |
| Motor speed: | N _{mot} = 970 min ⁻¹ |
| Oil cooler : | p _{cooler} = 40 kw |
| Cooling water - inlet temperature | T _e = 28 °C |
| Cooling water - consumption | Q _w = 50 m ³ /h |
| Weight of oil lubrication system | G _s = 270 kg |
| Oil volume | V = 800 L (approx.) |
| Max. permissible difference pressure at the filter | ΔP _{max} = 30 bar |

	Description	Type	Manufacturer	QTY
1	basic plate	1100x1200x50 t=8	-	1
2	gear pump with vibration-cushioned pressure relief valve	KF4/150G10BP007DP1/197+DKF4A16 ca.120 l/min, 10 bar, 1000 1/min, noized-optimized	Kracht	1
3	E-Motor, P=5,5kW, U=400V, f=50Hz, n=970min	1LA7134-6AA66 low-voltage engine	Siemens	1

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	design B3B5, IP 55, isolation cl. F			
4	lantern	PL 300/4/48	KTR	1
5	coupling	ROTEX Kupplung 28 STAHL, Zahnkranz Shore A Gelb Gr.Nabe 24H7 NnD Gr. Nabe 38H7 NnD	KTR	1
6	double filter	DU 401.25G30.S.P.FS8-AE70-1,5 P.-B	Internormen	1
7	oil-water cooler, pmax 10 bar T oil 61°C/50°C, T water 28°C / 35°C	P10-1P-L=1000 MV, data sheet P041141-04-A, drawing PS10-0-0003 cooling capacity 40 kW, Q water 5,0 m3/h	Bloksma	1
8	Temperatureregulator thermometer pocket G1/2" copper, dipping length 185 mm	regulating valve G1" PN16221880 type 2436KG1 + temperature regulator 2m VR, 40-100°C, 9,5mm, 215124/type 2430 K	Samson	1
9	flow switch, G 1 1/2" 1 contact: opener < 2/3 Qnenn	VM 40GR 150 220 cSt	Honsberg	1
10	gauge NG 100, 0-16 bar, glycerin-filled	GMM 100-16	Hansa	1
11	pressure switch	range of adjustment 0,3...1,5bar conclusion g3/8"i	ABB	1
12	temperature monitor elect. signal t max > 70°C	STW 1 F with thermometer pocket L=150mm	Honeywell	1
13	terminal box all connections (without E- motor) wired	1503210	Rittal	1
14	compensation tube DN80	208000 KE-MASTERFLEX type N	KE Burgmann	1
15	compensation tube DN40	204000 KE-MASTERFLEX type N	KE Burgmann	1
16	thermometer NG 100 with double scale °C/°F	type R5216	WIKA	1

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	0-120°C, with thermowell G 1/2" L=63mm			
17	pressure relief valve	SPVF 40 A2F1 A 02 1,5 bar adjusted	KRACHT	1
18	compensation tube SAE2 3000 PSI	type 53 yellow Nylon installation length 130mm DN50, not qualified for gas on both sides special flanges SAE3000PSI DN65	Willbrandt	2
19	ball valve DN80	WA532009	End- Armaturen	1
20	strainer, DN 80, PN16, fine-meshed sieve GG- 25/high-grade steel	CU500109	End-Armaturen	1



Handwritten signatures and stamps, including a date stamp '1391' and the name 'Barez'.