



BEEPL

BEEPL BN/HC 2640 D P 10 A 2.0/-V- KE50



ONLINE FILTRATION UNIT

FUNCTION

The fluid from mechanical pump coupled gearbox shaft and online gear pump with motor enters in manifold block assembly. From manifold block assembly, the fluid enters into the filter assembly. After filtration process through the filter, the filtered fluid out to cooler and hydraulic valve block of gearbox.

APPLICATION

The filter assembly BEEPL BN/HC 2640 D P 10 A 2.0/-V-KE50 used for the Gear Box Lubrication in Wind Turbines. The filter assembly of BEEPL BN/HC 2640 D P 10 A 2.0/-V-KE50 is ideal for removal of particles.

ONLINE FILTRATION UNIT

MOTOR PUMP MANIFOLD FILTER ASSEMBLY

MECHANICAL PUMP (FLOW RATE)	93 l/min
ONLINE PUMP DATA	
FLOW RATE	68 l/min
MAX. PRESSURE (BYPASS TO OILSUMP)	12 bar (Bypass to oil sump)
MIN. PRESSURE (SUCTION SIDE)	-0,4 bar (Short time -0,6 bar)
MAX. VISCOSITY (APPROX)	4500 cSt
SWITCH- ON TEMPRETURE PUMP	T _{oilsump} ≥ 5 °C
MOTOR DATA (ONLINE PUMP)	
VOLTAGE	400 / 690 V – 50 Hz (Phase)
NOMINAL POWER (APPROX)	4,0 kW
SPEED (APPROX)	920 rpm
NOMINAL CURRENT	10 A
ISO – CLASS	F, loaded according to B
PROTECTION GLASS	IP 55
PREHEATER	230 V – 50 Hz (1 phase) 25 W
FILTER TYPE	BEEPL BN/HC 2640 D P 10 A 2.0/-V- KE50
COMBI – ELEMENT	DK340DSA010ANDP01
FILTERFINENESS	10 µm absolute (β ₁₀ > 1000); 60 µm nominal
FLOW RATE (APPROX)	161 l/min (=68 l/min + 93 l/min)
BYPASS (MICROFILTER)	4 bar
DIRT HOLDING CAPACITY	Appr. 1000g
SEALING	Viton
NON – RETURN VALVE	0,2 bar (integrated)
DRAIN KIT	Ball valve
THERMOBYPASS VALVE	Exit 1: to cooler Exit 2: to gearbox inlet
CLOGGING INDICATOR	3 bar ; type: VL 3 GW -123 1 electrical switch point (each) at 75% & 100% clogging Normally closed contact (NCC)
CONTROL OF PUMP PRESSURE	4.....20 mA
VOLTAGE	20.....30 mA
READING TEMPRETURE	T _{oilsump} ≥ 45 °C
ELECTRONIC PRESSURE TRANSMITTER	HDA 4345-A-0016-000-F1