

Breuer Motoren

1	No maintenance up to free Customization	Breuer AFD400.L644Ex 50.000h Yes	5GEB28A/D or 5GEB29 between 10.000h and 25.000h only with external company
2	Horse Power (hp), continous Voltage Range (V) Full Load Current (A)	1600 575-600 1485	1500 587 1360
3	Overcurrent (%) Full Load RPM Max RPM	150% until ATEX temperature achieved 800-1200 3000	150% only 90 seconds 900-1200 3000
4	Continuous torque (ft lbf)	10566	8750
5	Intermittend torque (ft lbf) Poles Shaft Height (mm) one motor for Mudpump and drawwork duty Certification Certification Form Wound Class 200 Insulation, Class H (200°C) Copper Alloy Rotor Bar Copper End Rings Insulation	15849 6 423 Yes Ex e, Class I Div II CE, ATEX, IECEx, UL, CSA, ABS, DNV Yes Yes Yes Yes Yes VPI	12000 6 423 No Ex e, Class I Div II ATEX, IECEx, UL, CSA, ABS Yes Yes Yes Yes Yes VPI
6	Grease	Longlife, synthetic, max. temp 200°C, Klüber BHP 72-102, more reserve	Standard, max. 170°C
7	Temperature class Interia (ftlb ²) (for faster DW operation), less is better Cooling Color Inverter Duty OPE Insulated Bearing	-40°F ... 131°F 685.8 IC06 Offshore painting (color customized), 3 part painted Yes Yes	-20°F ... 103°F (Optional +131°F with less power) 767 IC06 Onshore (2 part) or Offshore (3 part) as option Yes Yes
	Shaft Material	30CrNiMo8V, option for nitration, 4532 Alloy forged steel as second option	4340 steel alloy shaft
	Single shaft	Yes	Yes
	Pressurized connection box (IP54) mounted on RIGHT/LEFT side of motor as viewed from commutator end, with bolt on cable connections and terminations for pressure sensor, thermostat, space heater, lockout switch & blower unit (6) 100 Ohm Platinum RTD's (2) per phase, PT100 Temperature sensor PTC, for emergency shut down	IP56, mounted right, left or top with busbar and clamps for sensors and blower unit, space heater, etc. 8 (incl. Reserve), bearing and winding 6 (incl. Reserve), bearing and winding Avent Oilfield Blower unit, 20hp Ex d motor, 3phase 60Hz, LowNoise, VFD duty, option with rain roof	IP56, mounted right or left, with busbar and clamps for sensors and blower unit 6 0 external by Hunt Engine, no VFD duty
	Blower System		
	Pressure sensor, explosion-proof Lockout Switch, explosion proof Option to remove pressure sensor (certified solution) Option to remove Lockout switch (certified solution)	Yes Yes Yes Yes	Yes Yes Yes Yes
	Space Heater, 400 Watt, 240 Volts	2x3 100W on each side (110V, 240V or 575V)	2x2 100W on each side (110V)
	Power Factor Altitude max.	0.86 1000m	around 0,83 1000m
8	LowNoise motor Direct Coupling Belt Driven Drawworks New Oilfield Hub Frame for heavy duty Protection class Optional Encoder	85dBA-1m Yes Yes Yes Yes IP44 Yes	95dBA-1m Yes No Yes Yes IP44 Yes
9	Standard Warranty	24 month	12 month
10	interchangeable with shaft, hub and footprint GE to Breuer Packages with VFD	Yes Yes	Yes Yes

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GE Oil & Gas