

Breuer Motoren

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1600hp

Breuer AFD400.L644Ex

5GEB28A/D or 5GEB29

1	No maintenance up to free Customization	50.000h Yes	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	15849 6 423 Yes	12000 6 423 No
	Certification	Ex e, Class I Div II	Ex e, Class I Div II
	Certification	CE, ATEX, IECEX, UL, CSA, ABS, DNV	ATEX, IECEX, UL, CSA, ABS
	Form Wound	Yes	Yes
	Class 200 Insulation, Class H (200°C)	Yes	Yes
	Copper Alloy Rotor Bar	Yes	Yes
	Copper End Rings	Yes	Yes
	Insulation	VPI	VPI
6	Grease	Longlife, synthetic, max. temp 200°C, Klüber BHP 72-102, more reserve	Standard, max. 170°C
7	Temperature class Inertia (ftlb ²) (for faster DW operation), less is better Cooling Color	-40°F ... 131°F 685.8 IC06 Offshore painting (color customized), 3 part painted	-20°F ... 103°F (Optional +131°F with less power) 767 IC06 Onshore (2 part) or Offshore (3 part) as option
	Inverter Duty	Yes	Yes
	OPE Insulated Bearing	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	IP56, mounted right, left or top with busbar and clamps for sensors and blower unit, space heater, etc.	IP56, mounted right or left, with busbar and clamps for sensors and blower unit
	(6) 100 Ohm Platinum RTD's (2) per phase, PT100	8 (incl. Reserve), bearing and winding	6
	Temperature sensor PTC, for emergency shut down	6 (incl. Reserve), bearing and winding	0
	Blower System	Avent Oilfield Blower unit, 20hp Ex d motor, 3phase 60Hz, LowNoise, VFD duty, option with rain roof	external by Hunt Engine, no VFD duty
	Pressure sensor, explosion-proof	Yes	Yes
	Lockout Switch, explosion proof	Yes	Yes
	Option to remove pressure sensor (certified solution)	Yes	Yes
	Option to remove Lockout switch (certified solution)	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	0.86	around 0,83
	Altitude max.	1000m	1000m
8	LowNoise motor	85dBA-1m	95dBA-1m
	Direct Coupling	Yes	Yes
	Belt Driven Drawworks	Yes	No
	New Oilfield Hub	Yes	Yes
	Frame for heavy duty	Yes	Yes
	Protection class	IP44	IP44
	Optional Encoder	Yes	Yes
9	Standard Warranty	24 month	12 month
10	interchangeable with shaft, hub and footprint GE to Breuer Packages with VFD	Yes	Yes