



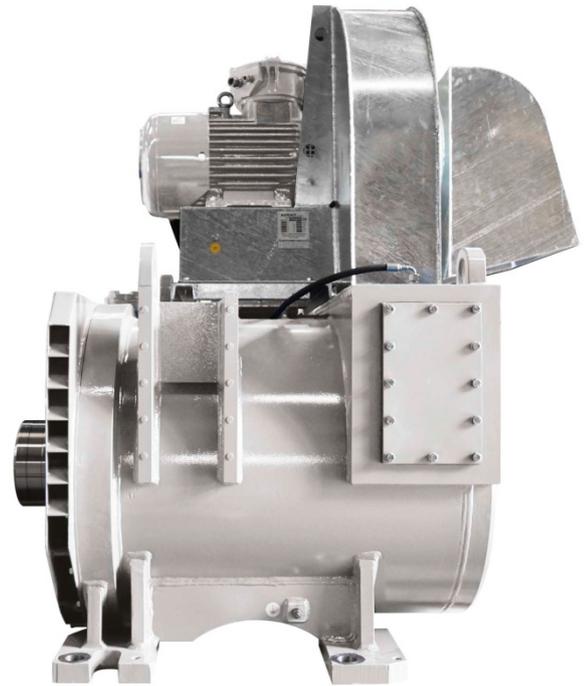
# AC Drilling motors

# AC Drilling Motors

BREUER has successfully served AC Drilling Equipment for more than 15 years with in excess of 1000 drilling motors in operation. The power range for TopDrive-, Mudpump-, rotary table and Drawwork motors is from 400hp up to 2200hp. BREUER AC drilling solutions offers a high degree of customization, easy installation, excellent torque values and absolute high robustness.

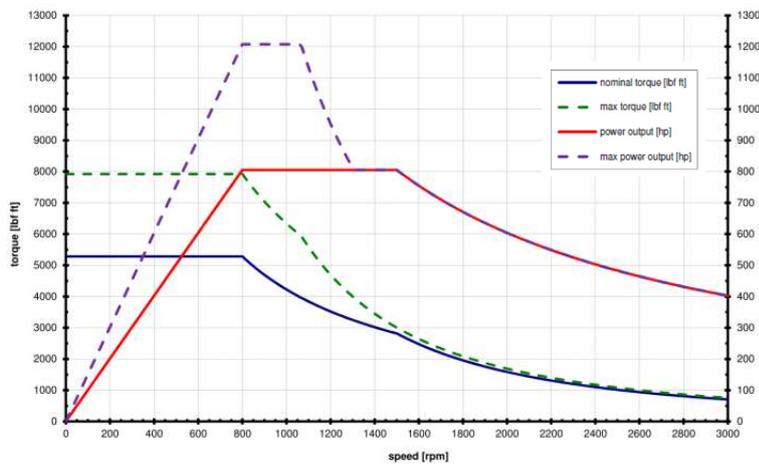
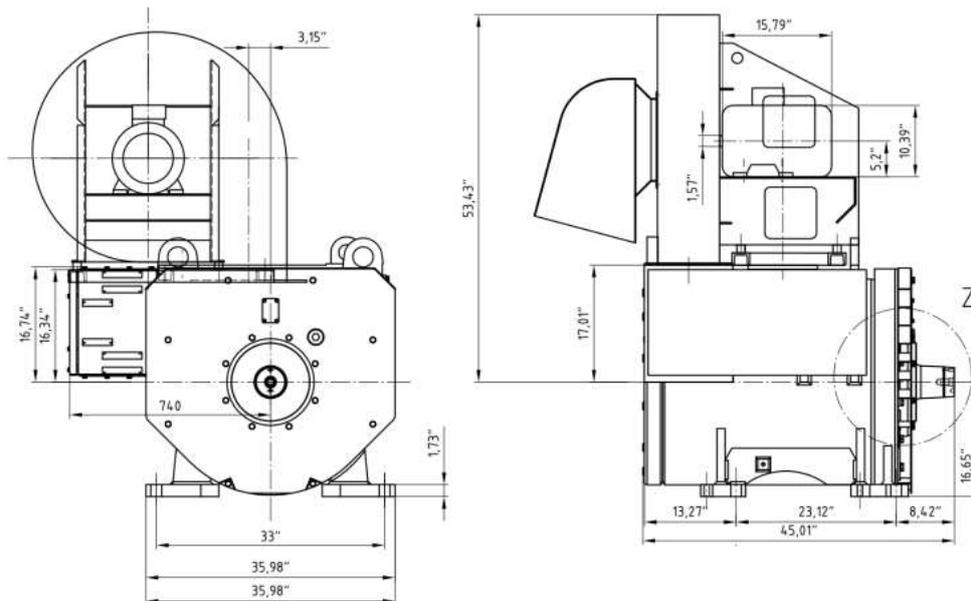
## Standard Features

- CE, ATEX, IECEX, UL, CSA certified motors
- 6-pole stator form wound winding
- Copper alloy rotor bars
- Class H insulation, Mica Kapton system
- 30CrNiMo8V steel shaft
- Insulated non drive end bearing
- Stainless steel IP56 terminal box right or left side
- IP44 motor protection
- Max. speed 3000rpm
- 10x platinum RTD and 6x PTC in winding and bearing (redundancy)
- Ambient temperature -40°C up to +55°C without derating
- Tape heater 6x 100W (redundancy)
- Blower motor can be VFD controlled
- LowNoise design
- Blower: 85dBA-1m
- Interchangeable footprint, shaft and hub to 5GE752
- "increased safety" Ex 2G EEx e II T3
- suitable for Mudpump, Drawwork and Rotary Table duty (also belt driven possible)
- Grease for <50.000h of operation in optimal condition
- ATEX motor certification without named VFD supplier
- SKF Bearings for >50.000h
- preparation for Vibration monitoring
- offshore painted, 3 layer, color free



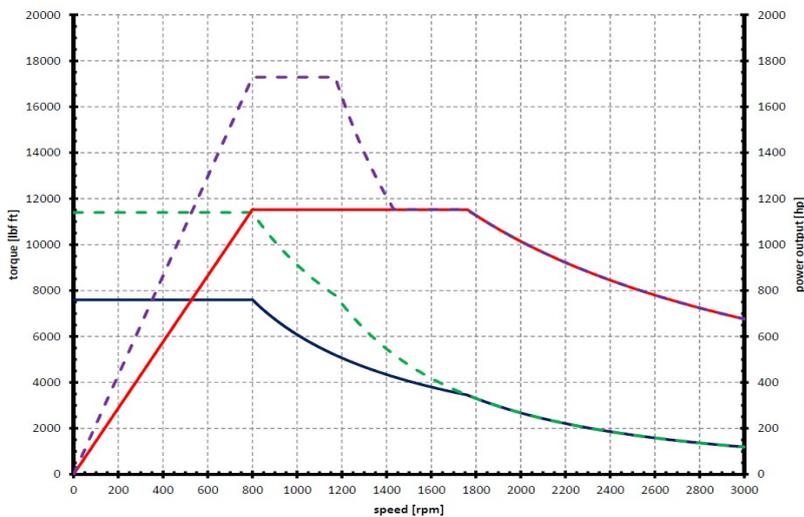
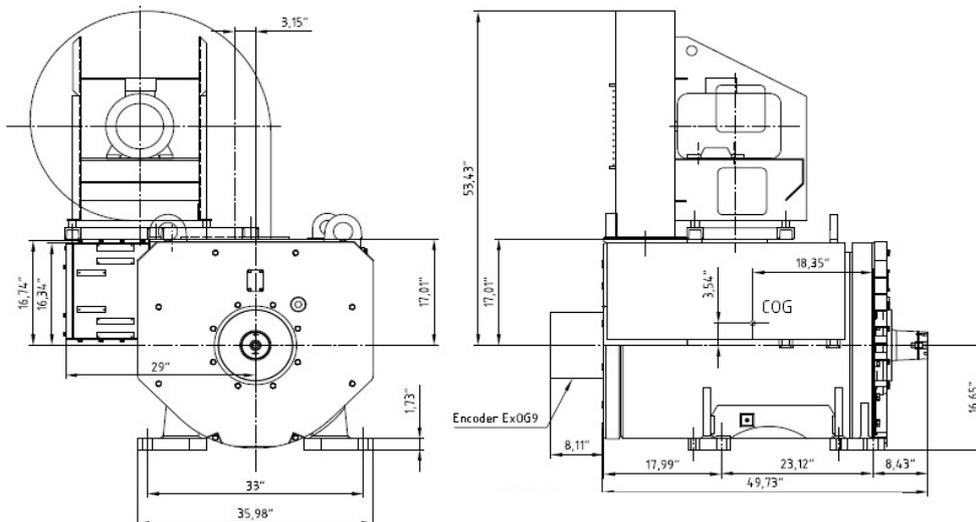
## Performance 815hp (600kW)

	Continuous Rating	Intermitted Rating Temperature is only limit
Rated Volts (AC)	575-600	575-600
Rated Current (A)	740@690V or 850@600V	1220@690V or 1400@600V
Base Speed	800	800
With 600V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	815 (600)	1220 (900)
With 690V VFD		
Speed@Rated HP (rpm)	800-1760	800-10600
HP (kW)	815 (600)	1220 (900)
Torque lb ft (Nm)	5281 (7160)	7921 (10740)
Speed @ Rated Torque	0 to 800	0 to 800
Max Speed (rpm)	3000	3000



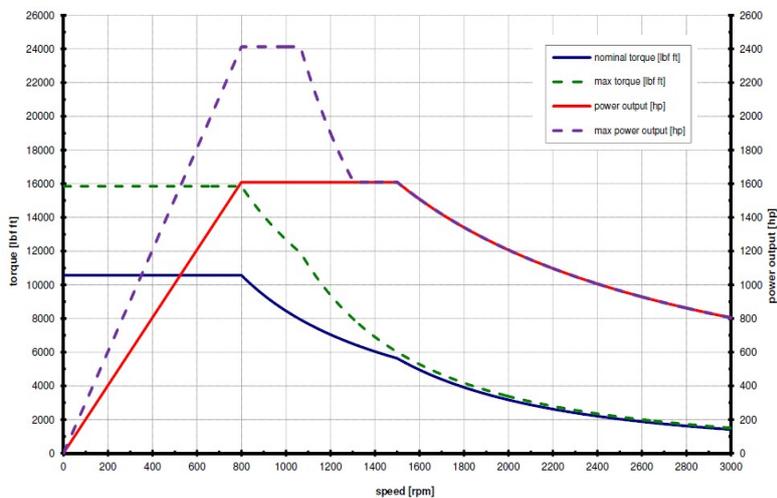
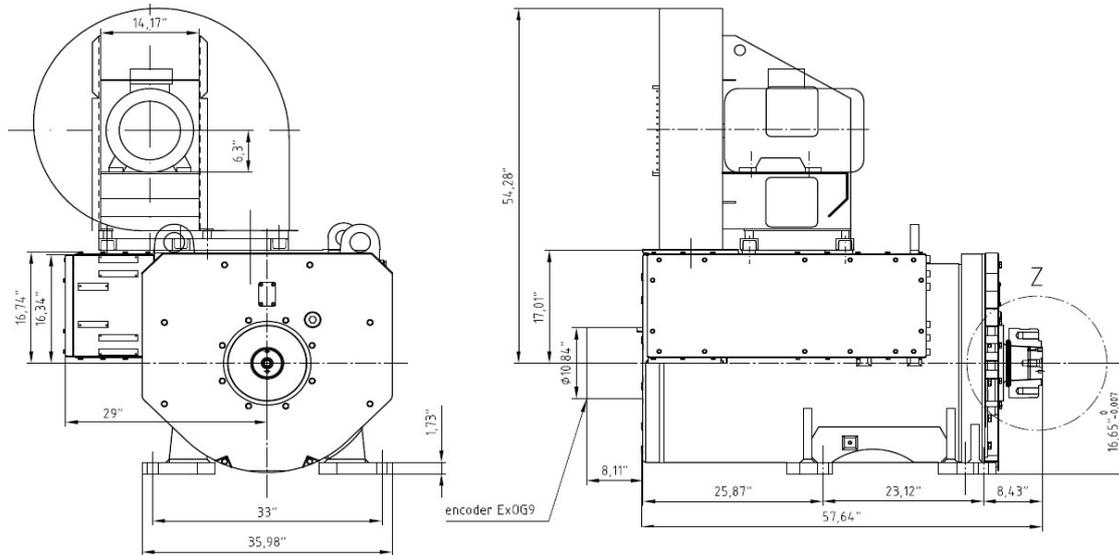
## Performance 1150hp (860kW)

	Continuous Rating	Intermitted Rating Temperature is only limit
Rated Volts (AC)	575-600	575-600
Rated Current (A)	1060@690V or 1160@600V	1749@690V or 1910@600V
Base Speed	800	800
With 600V VFD		
Speed@Rated HP (rpm)	800-1760	800-1180
HP (kW)	1150 (860)	1725 (1270)
With 690V VFD		
Speed@Rated HP (rpm)	800-1760	800-1180
HP (kW)	1150 (860)	1725 (1270)
Torque lb ft (Nm)	7597 (10300)	11396 (15450)
Speed @ Rated Torque	0 to 800	0 to 800
Max Speed (rpm)	3000	3000



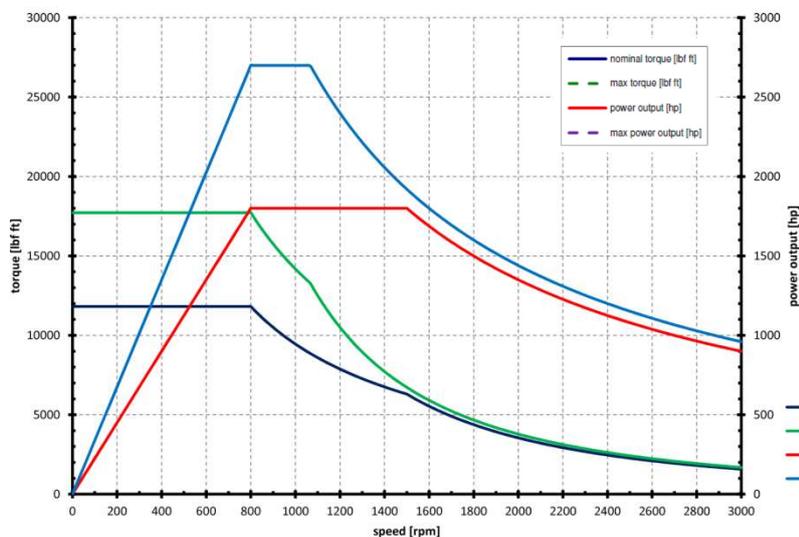
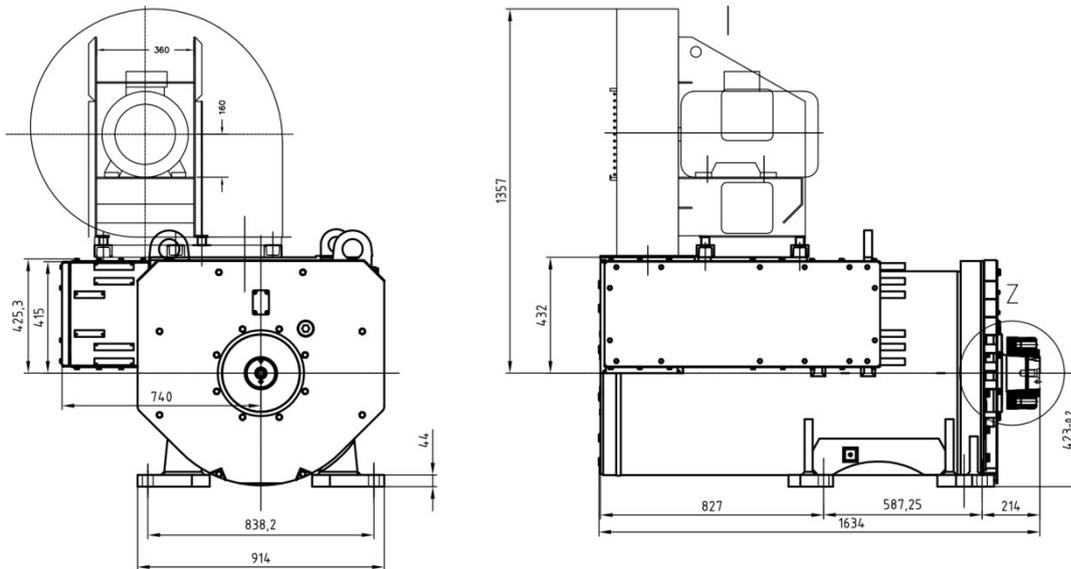
## Performance 1600hp (1200kW)

	Continuous Rating	Intermitted Rating Temperature is only limit
Rated Volts (AC)	575-600	575-600
Rated Current (A)	1500@690V or 1640@600V	2470@690V or 2698@600V
Base Speed	800	800
With 600V VFD		
Speed@Rated HP (rpm)	800-1500	800-1070
HP (kW)	1600 (1200)	2400 (1765)
With 690V VFD		
Speed@Rated HP (rpm)	800-1500	800-1070
HP (kW)	1600 (1200)	2400 (1765)
Torque lb ft (Nm)	10566 (14325)	15850 (21490)
Speed @ Rated Torque	0 to 800	0 to 800
Max Speed (rpm)	3000	3000



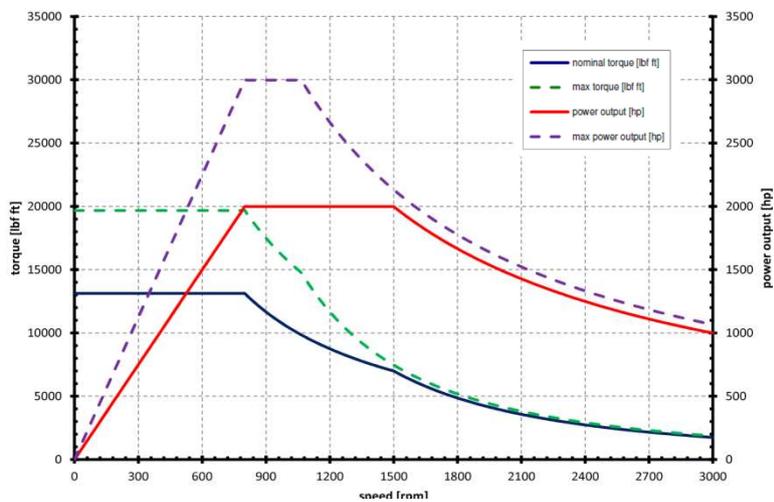
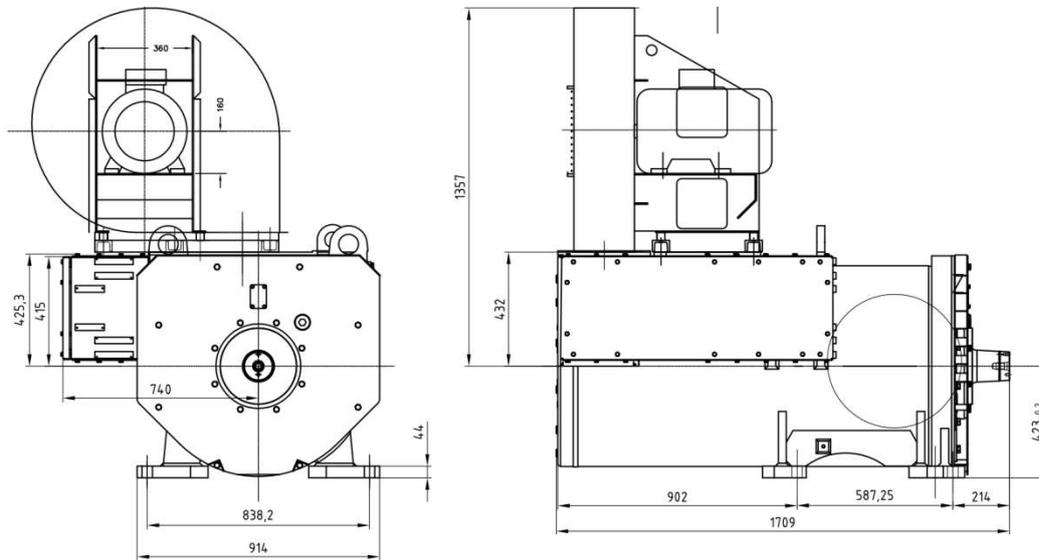
## Performance 1800hp (1330kW)

	Continuous Rating	Intermitted Rating Temperature is only limit
Rated Volts (AC)	575-600	575-600
Rated Current (A)	1660@690V or 1820@600V	2656@690V or 2960@600V
Base Speed	800	800
With 600V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	1800 (1330)	2700 (1995)
With 690V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	1800 (1330)	2700 (1995)
Torque lb ft (Nm)	11816 (16021)	17725 (24032)
Speed @ Rated Torque	0 to 800	0 to 800
Max Speed (rpm)	3000	3000



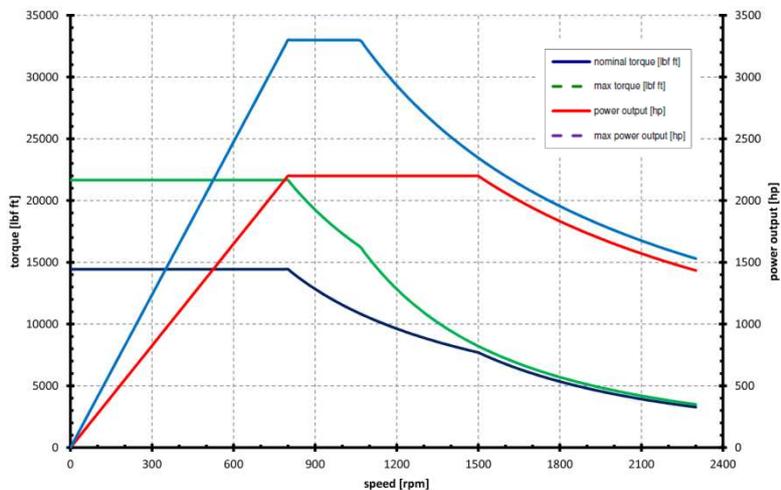
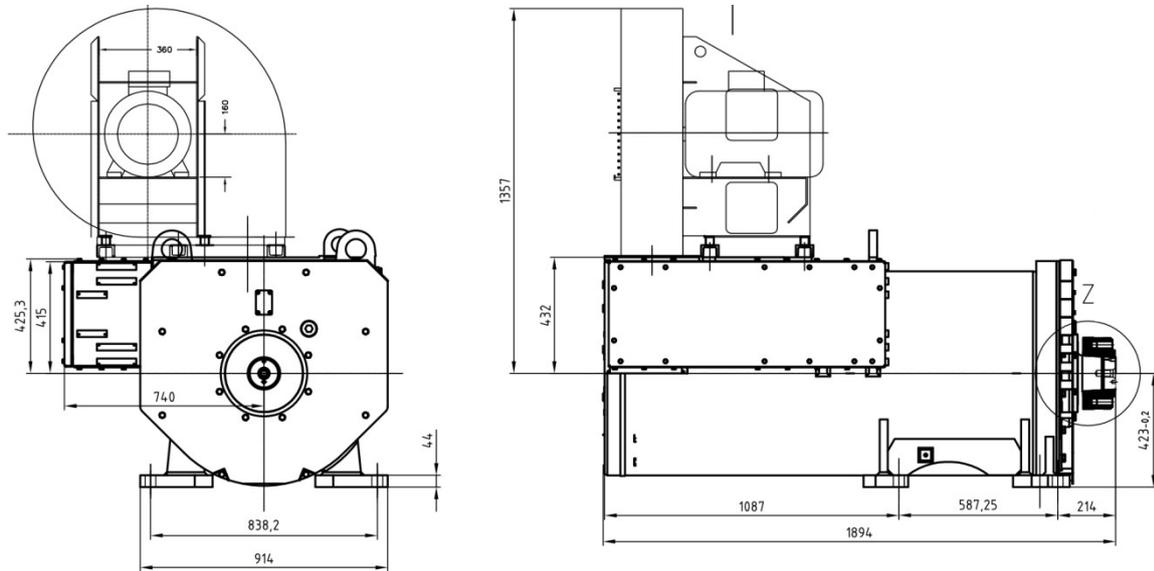
## Performance 2000hp (1490kW)

	Continuous Rating	Intermitted Rating Temperature is only limit
Rated Volts (AC)	575-600	575-600
Rated Current (A)	1860@690V or 2035@600V	3069@690V or 3350@600V
Base Speed	800	800
With 600V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	2000 (1490)	3000 (2235)
With 690V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	2000 (1490)	3000 (2335)
Torque lb ft (Nm)	13120 (17788)	19679 (26682)
Speed @ Rated Torque	0 to 800	0 to 800
Max Speed (rpm)	3000	3000



## Performance 2200hp (1640kW)

	Continuous Rating	Intermitted Rating Temperature is only limit
Rated Volts (AC)	575-600	575-600
Rated Current (A)	2045@690V or 2240@600V	3360@690V or 3687@600V
Base Speed	800	800
With 600V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	2000 (1490)	3000 (2235)
With 690V VFD		
Speed@Rated HP (rpm)	800-1500	800-1060
HP (kW)	2200 (1640)	3300 (2460)
Torque lb ft (Nm)	14400 (17788)	21661 (26682)
Speed @ Rated Torque	0 to 800	0 to 800
Max Speed (rpm)	2300	2300



## Optional features

- customization to your needs
- Ambient temperature -40°C up to +45°C
- ABS and DNV certification
- IP56 certified motor (TEWAC)
- Additional insulated drive end bearing
- Silencer for blower for 75dBA-1m
- New Oilfield Hub
- different Encoder and Encoder protection
- IP24 rain roof
- IP44 filter box solution
- Terminal box on top
- Offshore Paint (4 Layer)
- Onshore Paint (2 or 3 Layer)
- VFM (Variable Frequency Motor) blower, blower + VFD
- VFM (Variable Frequency Motor) motor, main motor + VFD
- Medium Voltage drilling motors