KEMOTOR	DATASHEET FOR ELECTRIC MOTOR	FOCQUET 1st in Electrical Power Machines
Issue Date:	**Client:**	Page No.: 1
Project No.:		REV.:

1. BASIC MOTOR DATA AND FEATURES

Basic Design:

Motor type:
Area Classification Safe ☐ Explosion Proof ☐
Rating (kW): Frequency(Hz):
Voltage(V): Poles/Speed(rpm):
Motor tem. Rise: Insulation class:
Cooling Type: Service factor:
Design amb. Temp:
IP: Duty:
Rotation: CW ☐ CCW ☐ Bi-directional ☐
Starting/Rated Current :
Starting Torque at 80% Rated Voltage:
Type of Construction:
Noise Level Frame Size:

Motor Construction:

Motor type: Asynchronous - squirrel cage ☐
Asynchronous - Wound rotor ☐
Type of Rotor Cage: Copper ☐ Aluminum ☐
Stator winding: Star ☐ Delta ☐
Bearing type: Sleeve ☐ Anti Friction ☐
Bearing Insulation: Required ☐
Bearing Lubrication: Self Lubrication ☐ Forced Lubrication ☐

Motor Protection Enclosure Ex (For Explosion Proof Type Motors):

Zone: 1/21 ☐ 2/22 ☐
Motor Ex protection: ExnA ☐ Exde ☐
Exd ☐ Exp ☐
Terminal box Ex protection: Exd ☐ Exde ☐ Exe ☐
Hazardous area G(Gas) ☐
D(Dust) ☐
G&D(Gas and Dust) ☐
Gas group I:
II: IIA ☐
IIB ☐
IIC ☐
Temp. class:
Certification required: ATEX ☐
IECEx ☐

Supply Terminal Box Arrangement:

2nd power term. box:
☐ CTs (current transformers)
☐ Neutral point
☐ Other:

2. WORKING CONDITIONS

Starting method: DOL ☐ Soft starter ☐
VSD ☐
Other: ☐
Duty (if different from S1):
Number of start per year:
No of starts/hour Cold: Hot:
Coupling:
Direct ☐
Pulley/Belt: ☐ Pulleys diam.:
No/Type belts.:
Gearbox: ☐ Gearbox ratio:

Driven Machine Data:

Driven machine type: Pump ☐ Compressor ☐ Fan ☐
Other: ☐
Absorved power: (kW)
Driven machine torque curve: Quadratic ☐ constant ☐
Linear ☐ other: ☐
Remark:
Starting torque:
Rated torque:
Load inertia: (J or PD2) kgm²

Auxiliaries & Accessories:

Protection on windings:
Thermistor: PTC ☐
NTC ☐
PT100: No/phase:
No of wires:
Alarm: (°C)
Trip: (°C)
Auxiliary t. box: ☐

Protection on bearings:
Thermistor: PTC ☐
NTC ☐
PT100: No/Bearing:
No of wires:
Alarm: (°C)
Trip: (°C)
Auxiliary t. box: Same t. box of windings protections ☐
1 separate t. boxes ☐
2 separate t. boxes (1/endshield) ☐

A.C. heaters: (V)
Anti-condensation heater: Required ☐
Space Heater Supply: 230v/50Hz ☐ 400v/50Hz ☐
Individual t. box: ☐

Cable Entry Details:

Cable entry direction
(viewed D.E. side): RHS ☐ LHS ☐

Supply/Instrumentation cable information:
No cables:
Type of cables: armoured ☐
non armoured ☐
Cables diameter: Ext:
Armour:
Cable glands supplied with motor:
Cable glands size(s):
Cable glands type(s):
Speed sensor: Resolver ☐ Encoder ☐
Vibration Sensor: Required ☑
Vibration Sensor Type :
Number of Vibration Sensor:

Ambient Conditions:

Ambient temp.:
Min. temp.: (°C) Max. temp.: (°C)
Humidity: (%) Altitude: (m.a.s.l.)
Enviroment Conditions: