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For/To:

CAGEN

Attn.:

Mr. Wojciech Piechota

Your Ref.:

email dated 14 February 2019

Date:

14/02/2019

From:

Davide Scotti

Our Subject/offer number:

2019-02-14-1

n. 1 CENTRIFUGAL FAN TYPE MCF 500**for the following working conditions :**

. gas handled	BIOGAS		
. inlet temperature	15		°C
. inlet pressure	1013		mbar (abs) , at the inlet flange.
. outlet temperature	37		°C
. outlet pressure at the flange	1168		mbar (abs) , at the outlet flange.
. total differential pressure	155		mbar , max.
. flow rate at inlet condition	540	≈	m ³ /h
. flow rate at Normal Condition (0°C, 1013 mbar abs)	512	≈	Nm ³ /h
. adsorbed power at the shaft	5,21	≈	kW
. installed power	7,5		kW
. blower's speed of rotation	5775		RPM , max.
. motor's speed of rotation	2950		RPM
. noise level measured at 1 mt in open field (According to EN ISO2151)	81		dB(A) ±2%

The supply will include for each above machines :

- * body machine and impeller in aluminium alloy ,
- * bearing housing in cast iron installed externally from the compression chamber (no contact between gas handled and bearings) and shaft in stainless steel AISI316L with hard ceramic coating on the seals working area ,
- automatic lubrication system for lip ring seal complete with relevant grease dispenser ,
- manual ball-valve for condensate discharge ,
- connection flange in aluminum alloy, DN 125-PN16 ,
- coupling realized by belt and pulleys, complete with safety guard in non-sparking material ,
- • base plate complete with anti-vibration rubber pads ,
- belt and pulley drive between blower and electric motor complete with safety protection in non sparking material, - 2 poles - V 400 - Hz 50 - class F ins. - IP 55 - shape B3, PTC , with ATEX cable gland ,
- assembling of the group, testing and painting according to our standard (RAL 1021 for Blower - RAL 5010 for elec. Motor) ,
- instruction manual according to "CE" standard, in English language ,
- conformity declaration and ATEX certification to the applicable directive ,