Fan Selection Order

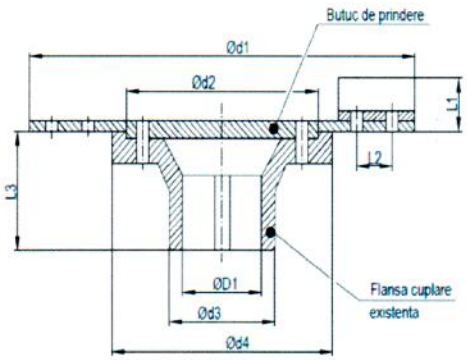
SECTION 1: Customer Details

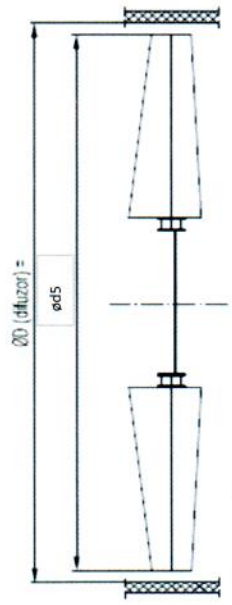
Pos: **01-A1/A2**

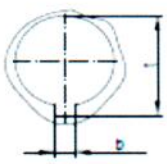
API information required (Mandatory)

End User	**Petrotel-Lukoil S.A.**	Location:	**Onshore-outdoor**			
Industry sector	**Refinery**	Ambient temperature:	**min -35°C**			**max +45°C**
Location	**Ploiesti, Prahova-Romania**	Position:	**Horizontal**		**x**	**Vertical**
Area of Plant *	**Atmospheric Distillation**	Direction of rotation:	**CCW**		**x**	**CW**
Fan Duty *	**Condenser**					
Company:	**PETROTEL-LUKOIL S.A.**	Phone no:	**+40-766257243**			
Engineer:	**IORGOIU CIPRIAN**	Email:	**ciorgoiu@petrotel.lukoil.com**			

SECTION 2: Dimensional & Type Details





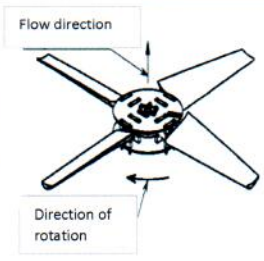


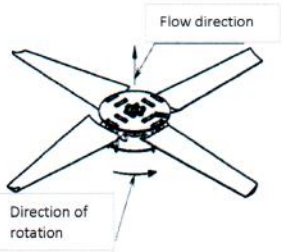
	Value	Units
d1 (Fan hub OD):	**600**	**mm**
d2 (Clamping hub OD):	**290**	**mm**
d3 (Flange coupling OD):	**140**	**mm**
d4 (Flange coupling shaft side OD):	**345**	**mm**
d5 (Fan ring ID):	**2500**	**mm**
D1 (Flange coupling shaft side ID)	**85**	**mm**
L1 (Dist First Obstr.):	**58**	**mm**
L2 (Dist Between Blade's Clamping Bolts):	**90**	**mm**
L3 (Flange coupling hight):	**104**	**mm**
b (key channel width):	**25**	**mm**
t (key channel hight):	**85.7**	
Blades No:	**6**	**buc**
Blades Type:	**FRP**	

Is the shaft harder than AISI 316L (160 HB)?:	*No*
If yes state value or material spec:	NA

Direction of rotation of the impeller when viewed against the air flow (mark the necessary with the "V" sign):

V	





SECTION 3: Fan Details

Manufacturer:	**NA**
Serial No:	**NA**
Tag Number:	**01-A1/A2**
Typical Drive Arrangements:	**Suspended belt drive, motor shaft up**
Typical Plenum Arrangements:	**Forced draught-box-type plenum**
Static Pressure*:	**20.448 mWC**
Air Flow*:	**53 cm/sec**
Air Temperature*:	**-25-45 Celsius degree**
Altitude*:	**180 m**
Blade Pitch Adjusment:	**Manual**

Size / Type:	**NA**
Shaft Speed (rpm):	**380**
Driver Type::	**Electrical motor**
Driver Speed (rpm):	**970**
Driver Power*:	**22 kW**
Transmission Type:	**Belt**

* Please state units, e.g. psia, psig, barg, inches, mm

SECTION 4: Customer Suggestions

Size:	-
Type:	-
Hub Material:	-
Blades Ring Material(s):	**FRP**
Blade Pitch Adjusment:	**Manual**
Other Specification (e.g.API, ATEX):	**ATEX; PED**
Quantity:	-
Price:	-
Delivery:	**DDP Ploiesti**

Remarks:	

Head Mechanical Engineer 03.03.2021

Senior Mechanical Specialist Engineer 03.03.2021

Chief Unit 03.03.2021

Mechanical engineer 02.03.2021