

Fan Selection Order

SECTION 1: Customer Details

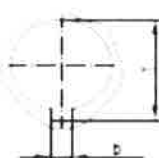
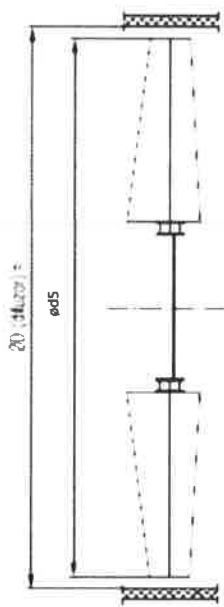
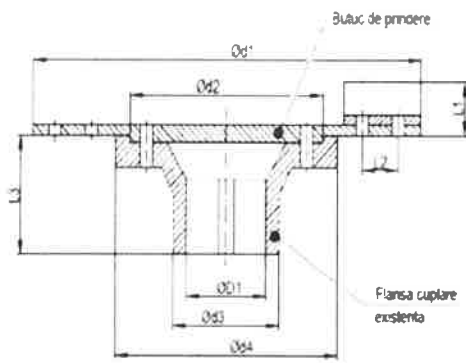
Pos:

01-A1/A2

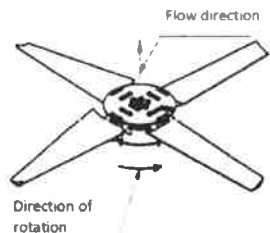
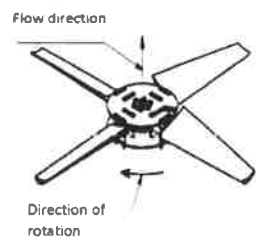
API information required (Mandatory)

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:	IORGIOIU 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 height)	104	mm
b (key channel width)	25	mm
t (key channel height)	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	Size / Type:	NA
Serial No:	NA	Shaft Speed (rpm):	380
Tag Number:	01-A1/A2	Driver Type:	Electrical motor
Typical Drive Arrangements:	Suspended belt drive, motor shaft up	Driver Speed (rpm):	970
Typical Plenum Arrangements:	Forced draught-box-type plenum	Driver Power*:	22 kW
Static Pressure*:	20.448 mWC	Transmission Type:	Belt
Air Flow*:	53 cm/sec		
Air Temperature*:	-25-45 Celsius degree		
Altitude*:	180 m		
Blade Pitch Adjustment:	Manual		

* 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 Adjustment:	Manual
Other Specification (e.g. API, ATEX):	ATEX; PED
Quantity:	-
Price:	-
Delivery:	DDP Ploiesti

Remarks

Head Mechanical Engineer

Senior Mechanical Specialist Engineer

Chief Unit

Mechanical engineer



DAIS-118-0303.21

Fan Selection Order

SECTION 1: Customer Details

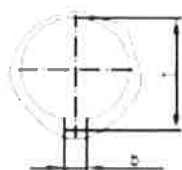
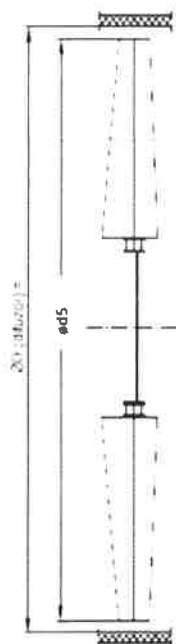
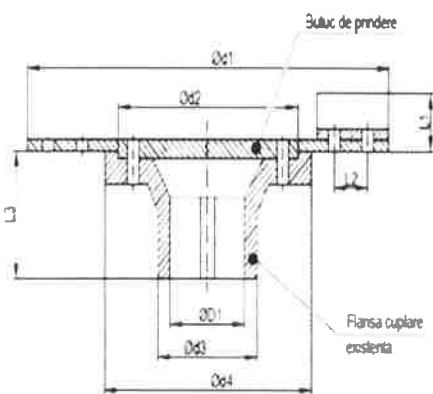
Pos:

02-A1

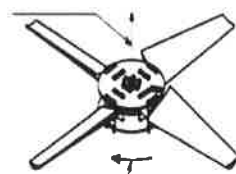
API information required (Mandatory)

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 *	Delayed Cooker	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

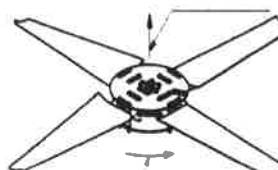


Flow direction



Direction of rotation

Flow direction



Direction of rotation

	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 diameter OD):	3000	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 height):	104	mm
b (key channel width):	22	mm
t (key channel height):	90,4	
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



DAIS-1118-03.03.21

SECTION 3: Fan Details

Manufacturer:	UMEB	Size / Type:	VPV-3000
Serial No:	NA	Shaft Speed (rpm):	380
Tag Number:	02-A1	Driver Type:	Electrical motor
Typical Drive Arrangements:	Suspended belt drive, motor shaft up	Driver Speed (rpm):	970
Typical Plenum Arrangements:	Forced draught-box-type plenum	Driver Power*:	22 kW
Static Pressure*:	21,460 mWC	Transmission Type:	Belt
Air Flow*:	50,6 cm/sec		
Air Temperature*:	-25-45 Celsius degree		
Altitude*:	180 m		
Blade Pitch Adjustment:	Manual		

* 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 Adjustment:	Manual
Other Specification (e.g. API, ATEX):	ATEX; PED
Quantity:	-
Price:	-
Delivery:	DDP Ploiesti

Remarks:

Head Mechanical Engineer

Senior Mechanical Specialist Engineer

Chief Unit

Mechanical engineer



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