

Fan Selection Order

SECTION 1: Customer Details

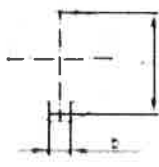
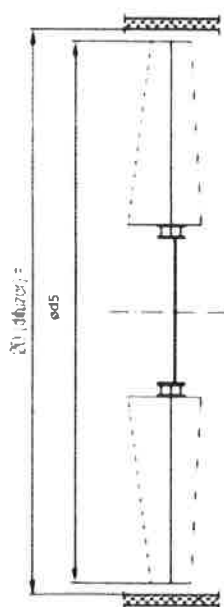
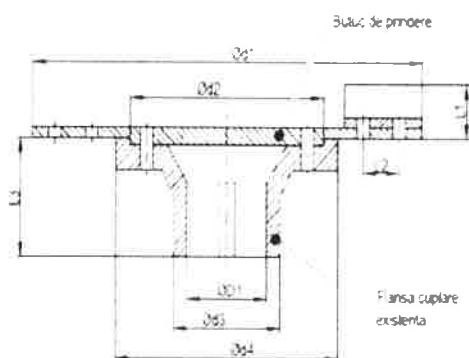
Pos.

01-A1/A2

API information required (Mandatory)

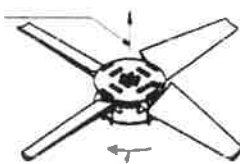
End User	Petrotel-Lukoil S.A.	Location	Onshore-outdoor			
Industry sector	Refinery	Ambient temperature	min -35°C			max +45°C
Location	Ploiesti, Prahova-Romania	Position	Horizontal		x	Vertical
Area of Plant *	Atmospheric Distillation	Direction of rotation	CCW		x	CW
Fan Duty *	Condenser					
Company:	PETROTEL-LUKOIL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

SECTION 2: Dimensional & Type Details



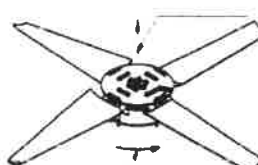
	Value	Units
d1 (Fan hub OD)	600	mm
d2 (Clamping hub OD)	290	mm
d3 (Flange coupling OD)	140	mm
d4 (Flange coupling shaft side OD)	345	mm
d5 (Fan ring ID)	2500	mm
Di (Flange coupling shaft side ID)	85	mm
L1 (Dist First Obstr)	58	mm
L2 (Dist Between Blade's Clamping Bolts)	90	mm
L3 (Flange coupling height)	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)?:	Yes	
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	

Flow direction



Direction of rotation

Flow direction



Direction of rotation



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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		

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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