

Pumps: TSKL 50/5R 2C18 B000 1**Item:****LIQUIDO**

Liquid	CONDENSATE		Liquid Temperature	140	
Liquid	NO SOLIDS		Density	1,00	kg/dm
Liquid	-		Kinematic Viscosity	1,0	mm2/

DESIGN PARAMETER

Working Capacity	35,0	m3/h	Working Absorbed Power	17,45	kW
Working Head	97,6	m	Service	-	
Required Capacity	35,0	m3/h	Suction Conditions	-	
Required Head	98,0	m	Geodetic Suction Head	-	
NPSH available	0,00	m	Gauge Suction Pressure	0,00	bar
NPSHr (Required from the pump)	2,09	m	Minimum ambient temperature	-20	°C
			Altitude of Installation	<1000 m ASL	

PUMP DETAILS

Pump Designation	TS		DN_MAND_MULTIST	50	
Pump Size	50		Flange Face Finish	RF - Flanged with Raised Face	
Installation area	Safe Area		Impeller Type	Closed	
Atex Category	Safe Zone		Painting Cycle	STD-RAL5010-Poliacr.cat.	
DN_ASPIR_MULTIST	65		Pump RAL	5010	

PUMPS EXECUTION

Pump Configuration	Horizontal		Transmission Type	Flex Coupling	
Pump Execution	Lantern Bracket		Coupling Type	MFR Standard	
Number of Impellers	5		Coupling Supply	Included	
Reduced Impeller Number	2		Motor Shaft diameter	42	mm
SUPP_MULTIST	K		Shaft Diameter Drive side	24	mm
Heating/Cooling Casing Chamber	Present		Baseplate Code Number	0	
Suction Port's Position	To be Defined		Base-Plate Drain Pan	Not Available	

PUMPS MATERIALS

Pump Casing Material	GJL250 EN 1561		Gasket Main Material	Viton	
Shaft Material	EN10088 - AISI 420		Base-Plate Material	N.A.	
			Coupling Guard Material	Aisi 304	
			Coupling Material	Cast Iron	

MECHANICAL SEALS

Seal Execution	Packing Without Flushing		Mechanical Seal Discharge side	Packing rings	
Mechanical Seal Motor side	Packing rings		COD_TM_LATO_OPP_MOT	BADERNA	
COD_TM_LATO_MOT	BADERNA				

EXTRA

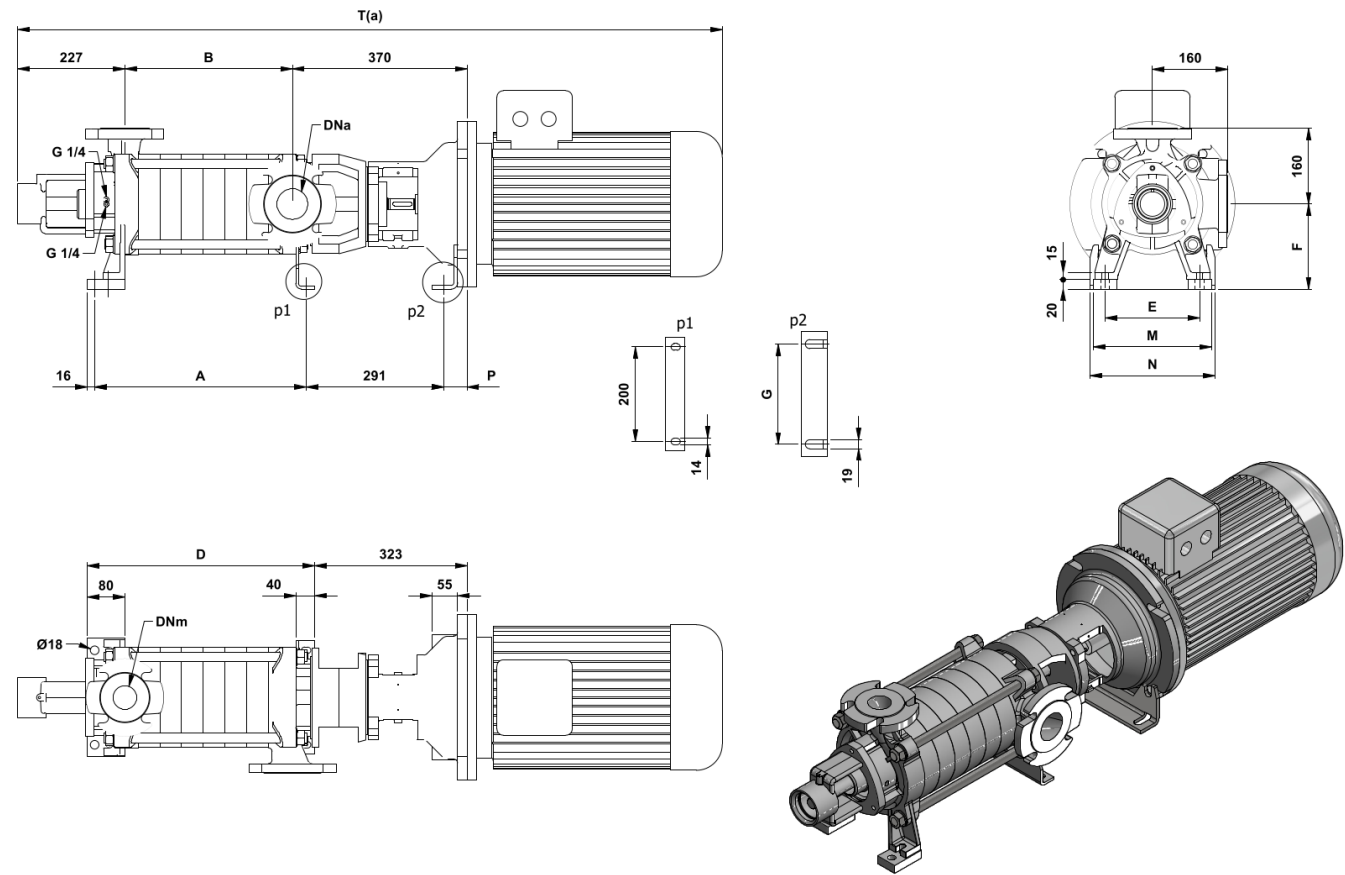
			Base-Plate Drain Pan	Not Available	
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MOTOR

Electric Motor Brand	FELM		Motor Class Tolerances	NO - Standard Class	
El. Motor Serie	F3		Additional Fan Cooling	-	
Electric Motor Poles	2		Motor Roof	-	
Motor Power	18,50	kW	PT100 Probes	-	
Motor Size	160L		Auxiliary Electric Box	-	
El. Motor Flange Diameter	350		Motor Heaters	-	
Electric Motor Supply	Included		Heaters Voltage [V]	-	
El Motor Standard/Customized	Standard		Ambient Temp. < -20°C	-	
Motor Category	IEC (not Atex)		Working Temp. >40°C	-	
Std. Electric Motor Brand	FELM		Motor Casing Material	Cast Iron	
Nominal Motor Frequency	50	HZ	Downsized Motor	-	
Operating motor voltage	400/690		Derated Engine Power	-	kW
Motor Efficiency Class	IE3		Additional Label	-	
Motor Shape	B5		Insulated Ball Bearing for VFD	-	
Motor Protection	IP55		Motor Extras	-	
Insulation Class	F		Extras	-	
PTC	Included		Extras	-	
Number of PTC Required	-		Extras	-	
Max Frequency (Inverter Use)	60		Extras	-	
Min. Frequency (Inverter Use)	30				

TEST AND CERTIFICATES

Food Certificate	No Certification Issue		NPSH Test	N	
ATEX Declaration of Conformity	N		Noise Test	No Certificate Issue	
Impeller Balancing Certificate	No Certificate Issue (P-1006)		Painting Check	No Certificate Issue	
CE Declaration of Conformity	S		Certificate of Quality	N	
Drawing Acc.To Customer Spec.	N		End Supply Certification Book	No	
Certificate of Warranty	N		Performance Test (Q-H-P)	No Certificate Issue	
Hydrostatic Test	No Certificate Issue (P-1005)		Visual a Dimensional Check	No Certificate Issue (P-1012)	
Inspection and Test Plan	No		Vibration Test	No Certificate Issue	
Material Certificate	-		Working Conformity Certificate	N	
Mechanical Running Test	N				



Serie	Size	N° Stadi	Mot. Size	A	B	D	F	G	H	M	N	P	X	T(a)	Weight
TS	50	5	160L	356,00	263,00	390,00	200,00	180,00	212,00	250,00	265,00	50,00	0,00	1.401,0	103,00

NOTE:

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THE PUMP WILL WORK WITH FC

Curve n.: T-1609	Max Stage (Nr): 10	Min Stage (Nr): 4	Sel. Stage (Nr): 5	Material: CAST IRON			
Flow (m3/h): 35	Head (m): 97,63	Power (kW): 17,45	Efficiency (%) 53,35	NPSH (m) 2,09	NS: 21	SSS: 187	GD2:0
Density (kg/dm3): 1	Viscosity (cSt): 1,00	Fluid: Non Specificato			Impeller Type: CLOSED		

