

**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	10,84	kW
Working Head	53	m	Service	-	
Required Capacity	35,0	m3/h	Suction Conditions	-	
Required Head	55,0	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**

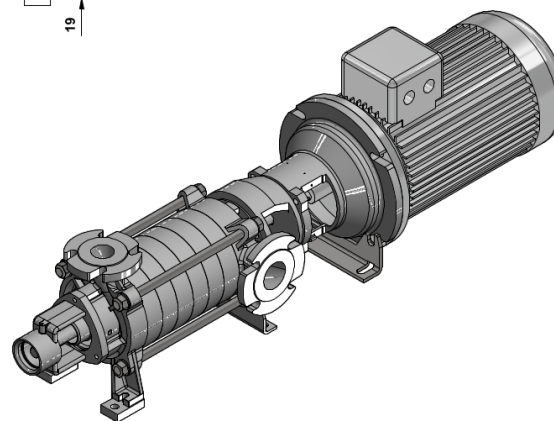
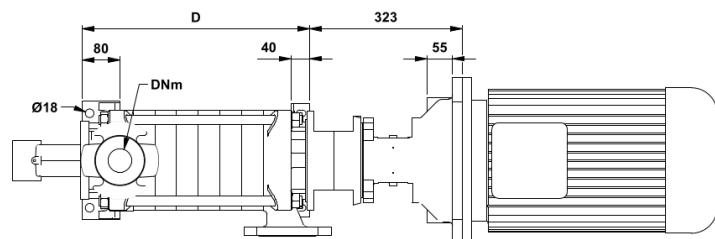
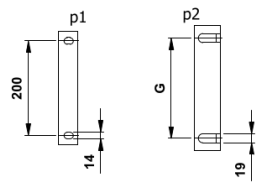
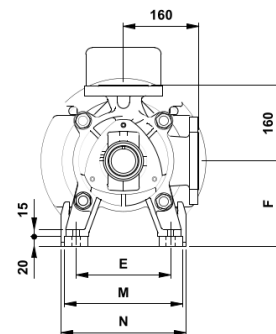
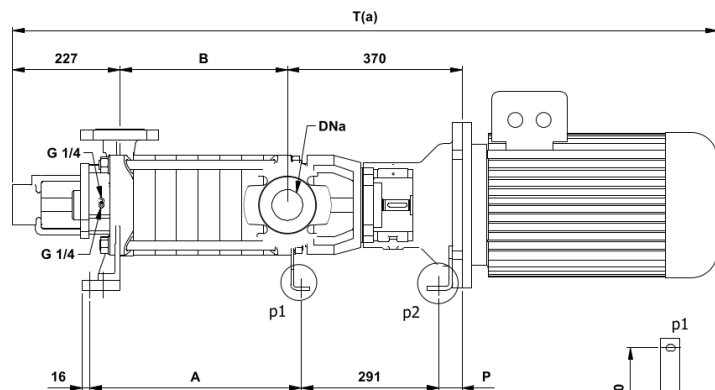
			Base-Plate Drain Pan	Not Available	
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**MOTOR**

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:**

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				

