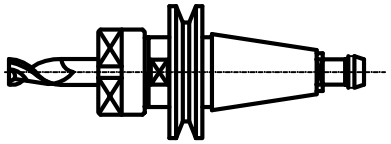
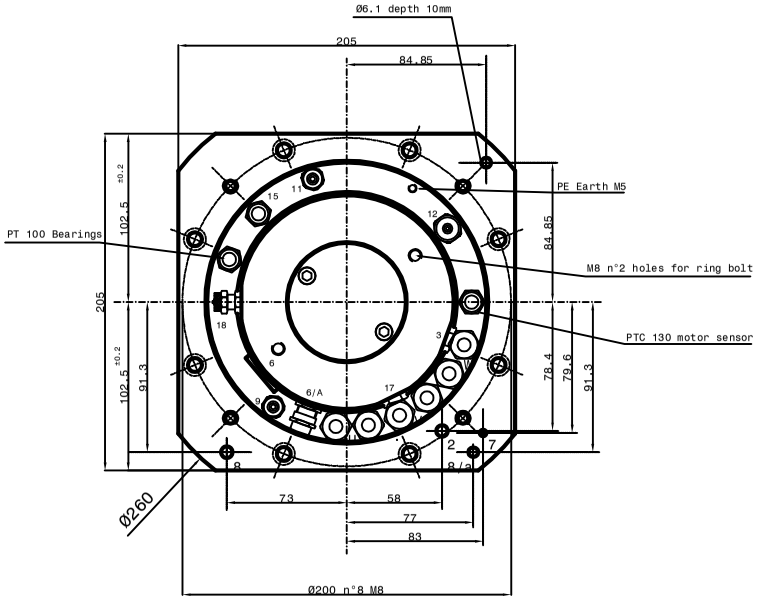
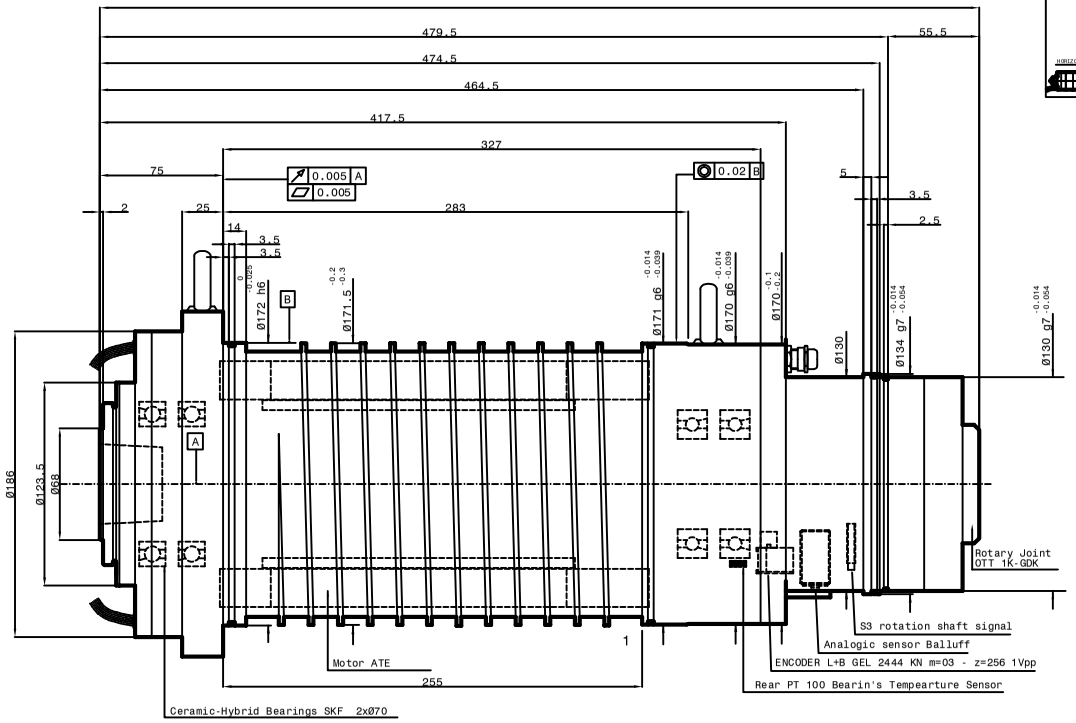
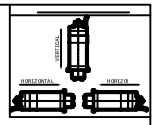
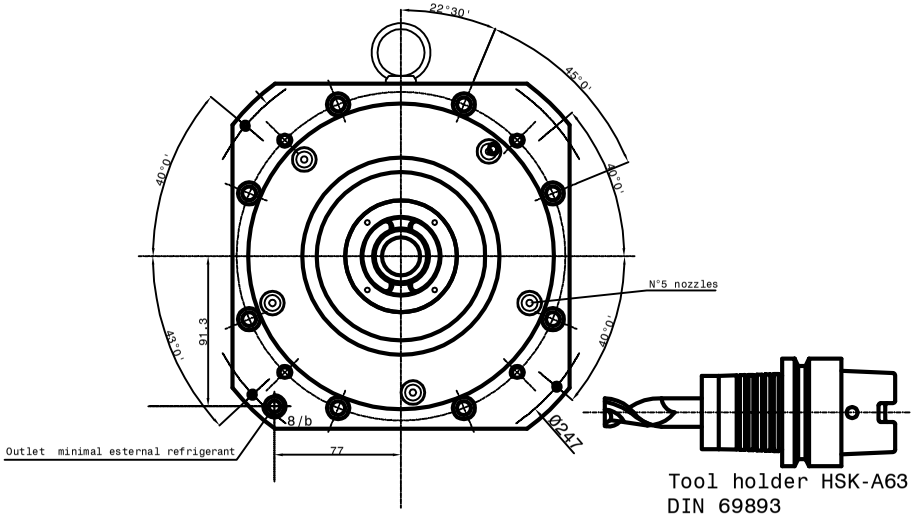


Tool holder ISO/BT 40







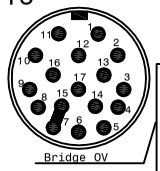


Tool holder HSK-A63
DIN 69893

Cooling capacity=6250 Watt
Air-Oil Bearings Lubrication
Mobil DTE LIght ISO VG 32

1-Coolant inlet (3-4 bar)(12÷15 L/min.)
2-Coolant outlet Ø7
3-Hydraulic pressure unclamping
tool (min 80bar - max 90bar) (G1/8")
5-Elettric connection (L=1000)
3 Phases motor
Phases U n°2 cables Ø8 - 16mm²
Phases V n°2 cables Ø8 - 16mm²
Phases W n°2 cables Ø8 - 16mm²
PE Earth n°1 cable Ø8 - 5mm²
6-Outlet sensor's cables (S6)(L=400mm)
S6 Analogic sensor Balluff
6/a-Outlet sensor S3 Rotation shaft signal(L=400mm)
7-Front-side pressurization filtred (5μm)
(1-1.5 bar) (Ø4)
8-Tool cooling water (Ø6)(20 bar)
8/a-Inlet minimal external refrigerant (Ø7)(20 bar)
8/b-Outlet minimal external refrigerant (G1/4")
9-Front bearings lubrication (G1/8")
11-Rear bearings lubrication (G1/8")
12-Unloading lubrication bearings (G1/4")
through aspiration type Festo VAD 1/4
15-Outlet encoder's cables (Gel 2444 KN)(L=400mm)
-Motor thermal switch (N°1 PT 1000)
17-Tool's lubro refrigerant inlet by rotary(80 bar)
joint(G1/4")
-Inlet air arbor's cleaning (6 bar)
18-Rotary joint leackage outlet (G1/8")
PT 100 Bearing's temperature sensor
PTC 130 Motor sensor

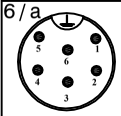
15



screen on carcass

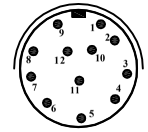
1 white A+
2 brown A-
3 grey Ref+
4 PTC 130
5 PTC 130
6 not connected
7 blue OV
8 white-red
thermal switch PT 1000
9 white-red
thermal switch PT 1000
10 red +5V Dc
11 pink B+
12 black B-
13 yellow Ref-
14 not connected
15 blue OV
16 green 5V sensor
17 not connected

6/a



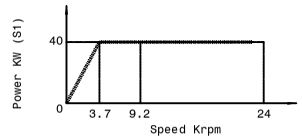
1 brown +24 V DC
2 blue 0 V DC
3 not connected
4 black S3 signal
5 not connected
6 not connected
⊥ not connected

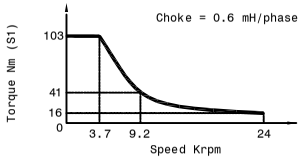
6



1 brown +24 V DC
2 blue 0 V DC
3 not connected
4 not connected
5 red PT 100
6 red PT 100
7 white PT 100
8 black S6 signal
9 not connected
10 not connected
11 not connected
12 not connected

SPEED	RPM	3700	9200	24000
FREQUENCY	Hz	185	463	1200
POWER (S1)	KW	40	40	40
TORQUE (S1)	Nm	103	41	16
TENSION (S1)	V	294	420	420
CURRENT (S1)	A	179	72	63
POWER (S6-40% 2 min.)	KW	50	50	50
TORQUE (S6-40% 2 min.)	Nm	129	65	20
TENSION (S6-40% 2 min.)	V	353	420	420
CURRENT (S6-40% 2 min.)	A	223	112	73





Syncronus Motor:6 poles Runout taper 0.002 mm

Peron Speed

SUBJECT:PSI TCV-S-104
CUSTOMER:

Sheet:1/1 | DIS.N°5970-00-01 | DATE : 17/08/2022