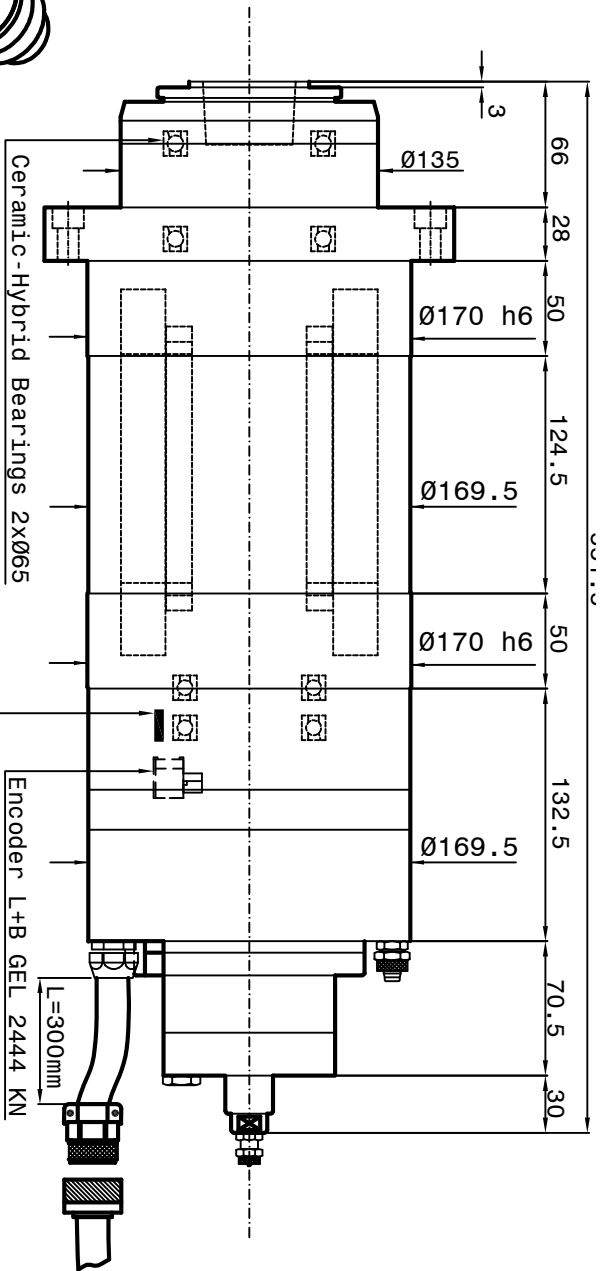


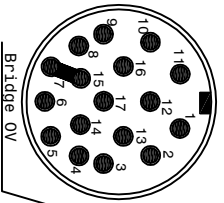
Tool holder ISO/BT 40



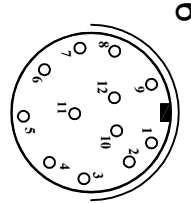
**Air-Oil Bearings Lubrication**  
**Mobil DTE Light ISO VG 32**  
**Cooling capacity = 7150 Watt**

- 1-Coolant inlet (G1/4") (3-4 bar) (4+5 L/min.)
- 2-Coolant outlet (G1/4")
- 3-Hydraulic pressure unclamping tool (min 80bar - max 90bar) (G1/4")
- 4-Hydraulic pressure clamping tool (Return piston) (10bar max) (G1/4")
- 5-Electric connection (L=300)
- 3 Phases motor - Earth
- 6-Outlet sensor's cables (S1-S2-S4) (L=300mm)
- S1 PMP = Toolholders clamped.
- S2 PMP = Piston under pressure ready to receive tools arbor.
- The electrosppindle can not turn.
- S4 PMP = Toolholders not clamped. The electrosppindle cannot turn.
- PT 100 Bearing's temperature sensor
- 7-Front side pressurization filtered (5µm) (1-1.5 bar) (G1/8")
- 9-Front bearings Lubrication -1 (G1/8")
- 10-Front bearings Lubrication -2 (G1/8")
- 11-Rear bearings Lubrication (G1/8")
- 12-Unloading lubrication bearings (G1/8") through aspiration type Festo VAD 1/4
- 15-Outlet encoder's cables (Gel 2444 KN) (L=300mm) Motor thermich switch (N°1 PT 1000)
- 19-Inlet air arbor's cleaning (6 bar) (G1/8")

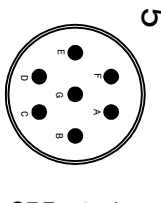
Ceramic-Hybrid Bearings 2xØ65  
 Encoder L+B GEL 2444 KN  
 1Vpp - Z=256 - m=03  
 Thermich Sensor Bearings PT 100



- 15
- 1 white A+
  - 2 brown A-
  - 3 grey Ref+
  - 4 not connected
  - 5 not connected
  - 6 not connected
  - 7 blue 0V
  - 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 0V
  - 16 green 5V sensor
  - 17 not connected
- screen on carcass

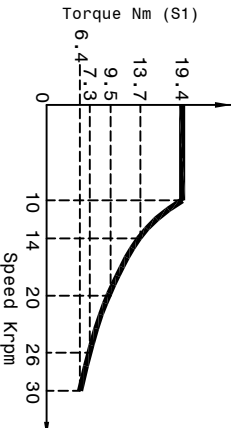
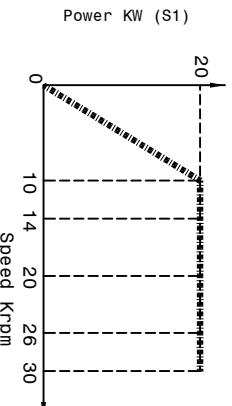


- 6
- 1 brown +24 V DC
  - 2 blue 0 V DC
  - 3 black S1 signal
  - 4 black S2 signal
  - 5 not connected
  - 6 black S4 signal
  - 7 not connected
  - 8 not connected
  - 9 not connected
  - 10 PT 100
  - 11 not connected
  - 12 PT 100



- 5
- A brown phase U
  - B blue phase V
  - C black phase W
  - D yellow-green Earth
  - E not connected
  - F not connected
  - G not connected

SPEED	RPM	10000	14000	20000	26000	30000
FREQUENCY	Hz	333	469	672	874	1000
POWER (S1)	Kw	20	20	20	20	20
TORQUE (S1)	Nm	19.4	13.7	9.5	7.3	6.4
TENSION (S1)	V	270	380	380	380	380
CURRENT (S1)	A	55	41	37	37.5	38.5



Motor Asynchronous: 4 poles Runout taper 0.002mm

**Peron Speed**  
 SUBJECT: PSI TCV-116  
 CUSTOMER: