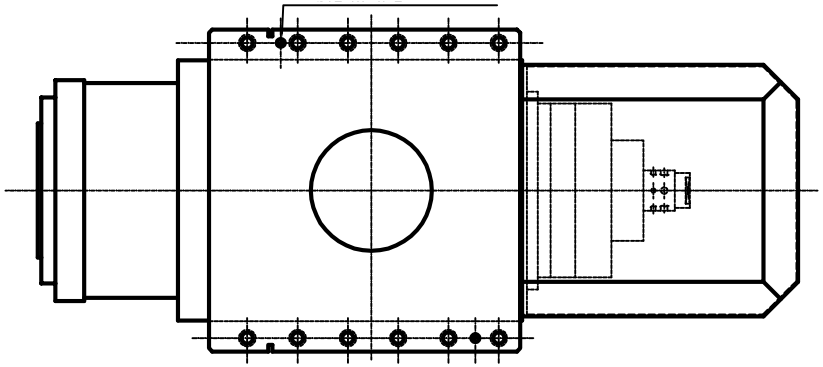
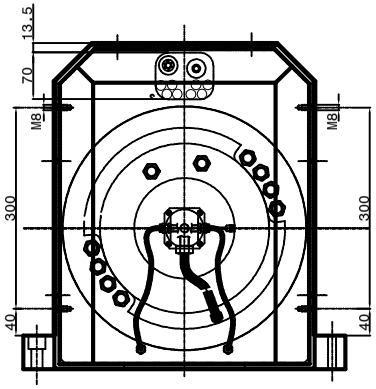
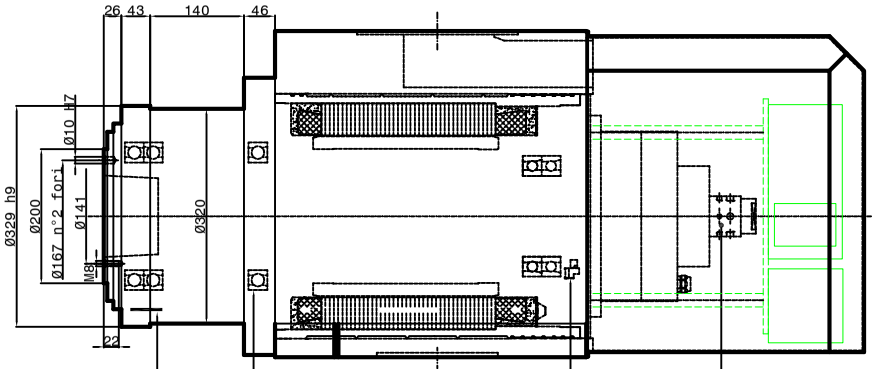
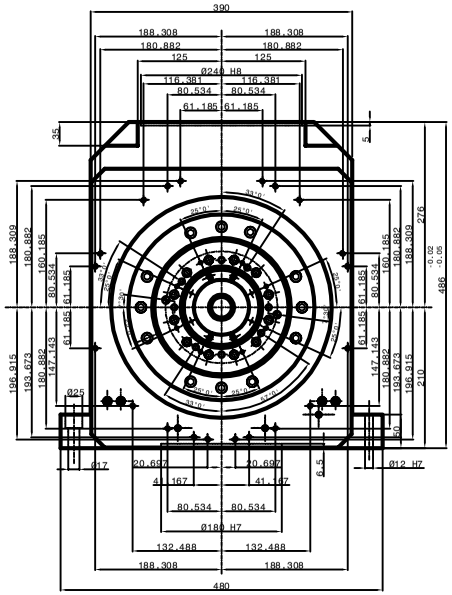
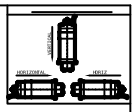
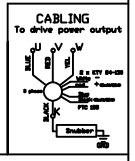


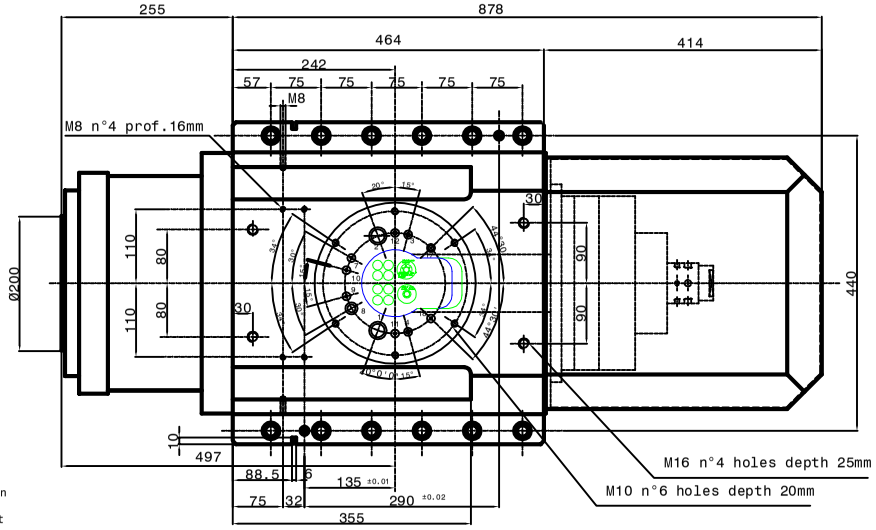


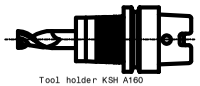




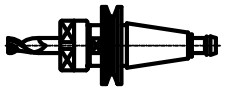








Tool holder KSH A160
DIN 69893

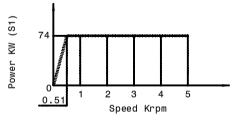


Tool holder ISO/BT 50

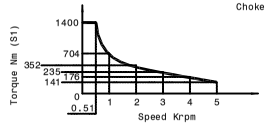
Air-Oil Bearings Lubrication
Mobil DTE LIght ISO VG 32
Cooling capacity=11200 Watt

1-Coolant inlet (Ø20)(22 l/min.)
2-Coolant outlet (Ø20)
3-Hydraulic pressure unclamping tool (52bar min.-100 bar max) (Ø6)
4-Hydraulic pressure clamping tool (15bar min.-50 bar max) (Ø6)
5-Elettric connection
3Phases motor - Earth
Motor thermich switch (N°2 KTY)
-Outlet sensor's cables (S1-S2-S4)
S1 = Tool's arbor clamped.
S2 = Piston under pressure ready to receive tools arbor.
The electrospindle can not turn.
S4 = Tool's arbor not clamped
The electrospindle cannot turn.
Themich sensor bearings
-Outlet encoder's cables (Gel 2442 KN)
7-Front-side pressurization (Ø4)
8-Tool cooling (Ø12)
9-Front bearings lubrication 1 (Ø4)
10-Front bearings lubrication 2 (Ø4)
11-Rear bearings lubrication (Ø4)
12-Unloading lubrication bearings (Ø6)
17-Tool's lubro refrigerant inlet by rotary joint(Ø8)
+ inlet air arbor's cleaning
18-Filtered air continuos inlet (0.5μ) for rear protection (Ø4)
- 1/a = Attachment connection (6 bar)
- 3/a = Unloading

SPEED	RPM	678	1000	2000	3000	4000	5000
POWER (S1)	KW	74	74	74	74	74	74
TORQUE (S1)	Nm	1400	704	352	235	176	141
TENSION (S1)	V	370 Max					
CURRENT (S1)	A	200 max					



Choke 0.4 mH/PHASE



Syncronous motor:16 poles
Runout taper 0.001mm

Peron Speed

SUBJECT:PSI ES-305
CUSTOMER:

Sheet:1/1 | DIS.N°926-00-14 | DATE: