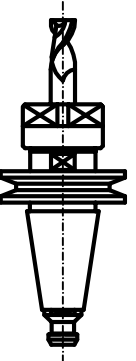
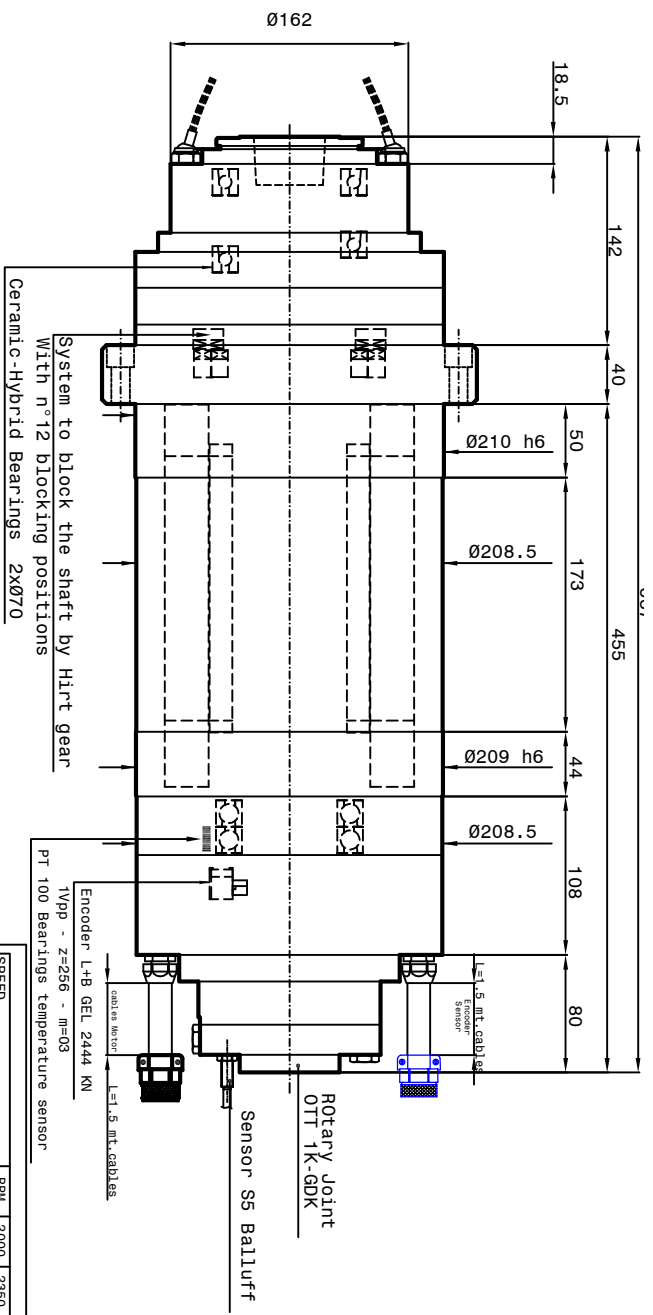


Tool Holder HSK-A63  
DIN 69893

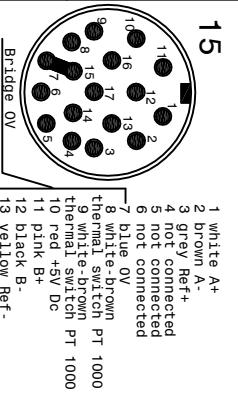


Tool holder ISO/BT 40

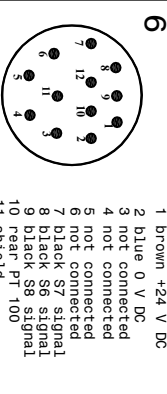


Cooling capacity = 3400 Watt  
Air-Oil Bearings Lubrication  
Mobil DTE Light ISO VG 32

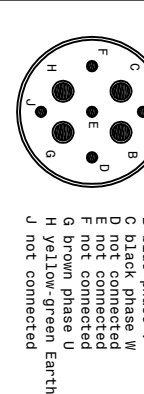
- 1-Coolant inlet (G1/2") (3-4 bar) (5 /min.)
- 2-Coolant outlet (G1/2")
- 3-Hydraulic pressure unlamping tool (50barmin.-90 bar max) (G1/4")
- 4-Hydraulic pressure clamping tool (return piston) (10bar max) (G1/4")
- 5-Electric connection (L=1.5 mt.)
- 6-0-11 sensor Balluff (S1-S2-S4-S7-S8) (L=1.5 mt.)
- S1 = Tool's arbor clamped.
- S2 = Piston under pressure to receive tools arbor.
- The electrosprindle can not turn.
- S4 = Tool's arbor not clamped
- S7 = The electrosprindle cannot turn.
- S8 = Sensor start to block
- PT 100 Bearing's temperature sensor
- 6/a-S5 sensor Balluff
- 7-Front-side pressurization filtered (5um) (1-1.5 bar) (G1/8")
- 8-Tool cooling (G1/2")
- 9-Front bearings Lubrication -1 (G1/8")
- 10-Front bearings Lubrication -2 (G1/8")
- 11-Rear bearings Lubrication (G1/8")
- 12-Unlocking Lubrication bearings (G1/4")
- 13-Through aspiration type Festo VAD 1/4
- 15-Outlet encoder's cables (Gel 2444 KN)(L=1.5 mt.)
- Motor thermich switch (N°1 PT 1000)
- 17-Tool's Lubro refrigerant inlet by rotary (80 bar) joint(G1/4")
- 18-Inlet air arbor's cleaning (6 bar)
- 18-Rotary joint leakage outlet (G1/8")
- 21-0-11 Inlet to unlock the shaft (80bar) (G1/4")
- 22-0-11 Inlet to unlock the shaft (80bar) (G1/4")



- 1 white A+
- 2 brown A-
- 3 blue Ref+
- 4 not connected
- 5 not connected
- 6 not connected
- 7 blue 0V
- 8 white-brown PT 1000 thermal switch
- 9 white-brown PT 1000 thermal switch
- 10 red +5V Dc
- 11 pink B+
- 12 black B-
- 13 yellow Ref-
- 14 not connected
- 15 not connected
- 16 green 5V sensor
- 17 not connected

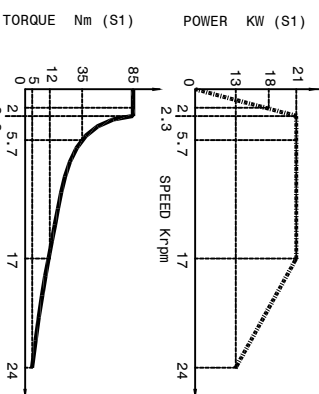


- 1 brown +24 V DC
- 2 blue 0 V DC
- 3 not connected
- 4 not connected
- 5 not connected
- 6 not connected
- 7 black S7 signal
- 8 black S8 signal
- 9 black S8 signal
- 10 rear PT 100
- 11 shield
- 12 rear PT 100



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

SPEED	2000	2350	5720	17230	24000
FREQUENCY	Hz 106	123	288	870	1200
POWER (S1)	kW 18	21	21	21	13
TORQUE (S1)	Nm 85	85	35	12	5
TENSION (S1)	V 140	162	380	380	380
CURRENT (S1)	A 106	104	64	45	32
POWER (S6-40%)	kW 24	27	27	27	15
TORQUE (S6-40%)	Nm 116	116	45	17	5
TENSION (S6-40%)	V 140	162	380	380	380
CURRENT (S6-40%)	A 136	135	70	57	32



Asynchronous Motor: 6 poles  
Runout taper 0.002mm