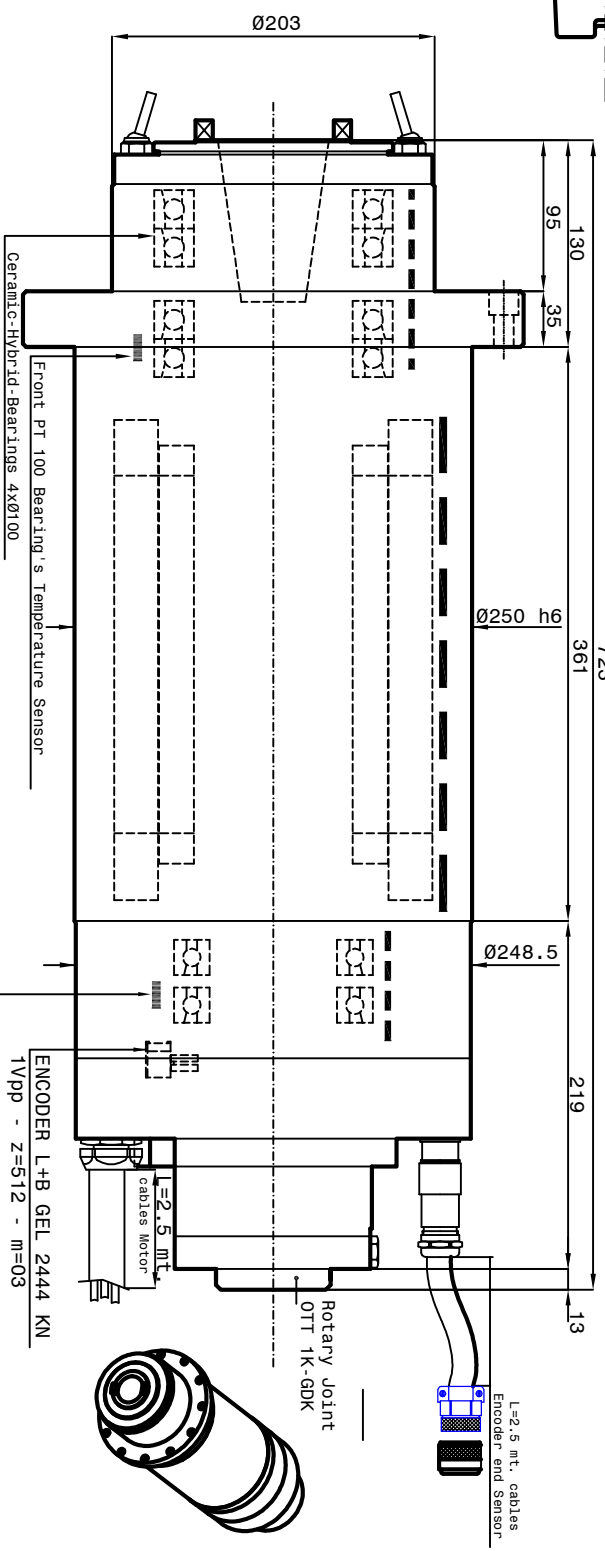
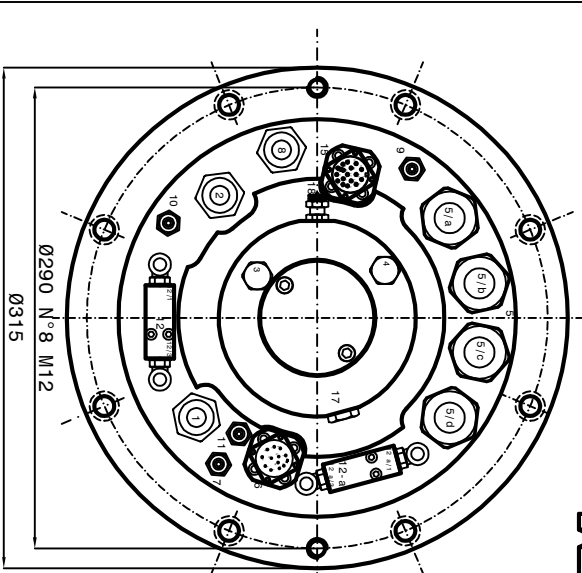


Tool Holder HSK-A63/100  
DIN 69893



Cooling capacity = 6300 Watt  
Air-Oil Bearings Lubrication

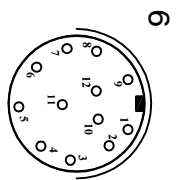
- 1-Coolant inlet (G1/2") (3-4 bar) (10 L/min.)
- 2-Coolant outlet (G1/2")
- 3-Hydraulic pressure unclamping tool (min 80bar - max 90bar) (G1/4")
- 4-Air pressure clamping tool (Return piston) (6bar max) (G1/4")
- 5-Electric connection (L=2.5 mt.)
- 3 Phases motor - Earth  
Phase V n.2 cables <math>\varnothing 6</math> mm <math>\varnothing 10</math> mm  
Phase W n.3 cables <math>\varnothing 6</math> mm <math>\varnothing 10</math> mm  
Earth n.1 cable <math>\varnothing 6</math> mm <math>\varnothing 10</math> mm
- 6-Outlet sensor's cables (S1-S2-S4) (L=2.5 mt.)  
S1 PNP = Piston under pressure ready to receive tools airbor.  
S2 PNP = Piston under pressure ready to receive tools airbor.  
S4 PNP = Toolholders not clamped.  
The electrosprindle cannot turn.
- PT 100 Bearing's temperature sensor
- 7-Front-side pressurization filtered (5µm) (1-1.5 bar) (G1/8")
- 8-Tool cooling water (G1/2") (20 bar)
- 9-Front bearings Lubrication-1 (G1/8")
- 10-Front bearings Lubrication-2 (G1/8")
- 11-Rear bearings Lubrication (G1/8")
- 12-unloading Lubrication rear bearings oil (M5) (6 bar)
- 12/3-Outlet air inlet for aspiration (G1/8") (FESTO VAD 1/4")
- 12/2-Outlet air inlet for aspiration (G1/4")
- 12/a-unloading Lubrication front bearings (G1/4")
- 12-a/1-Inlet air inlet for aspiration (G6) (FESTO VAD 1/4")
- 12-a/3-Outlet air-oil bearings (G1/4")
- 15-Outlet encoder's cables (Gel 2444 KNI) (L=2.5 mt.)
- Motor thermal switch (N°1 PT 1000)
- 17-Tool's Lubro refrigerant inlet by rotary (80 bar) joint (G1/4") filtered (50µm)
- Inlet air arbor's cleaning (6 bar)
- Inlet air 5 bar 10000 RPM
- MOL
- 18-Rotary joint leakage outlet (G1/8")

Connector Hummel M23 17 pin  
7.001.917.103+7.001.917.104



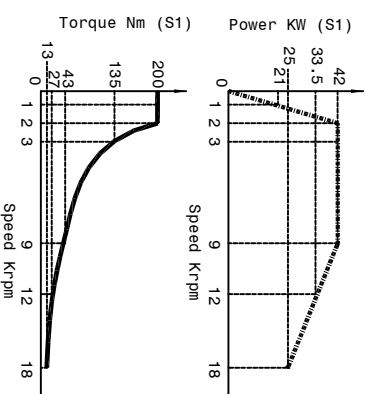
- 1 White A+
  - 2 Brown A-
  - 3 grey Ref+
  - 4 not connected
  - 5 not connected
  - 6 not connected
  - 7 blue 0V
  - 8 white-brown thermal switch PT 1000
  - 9 white-brown thermal switch PT 1000
  - 10 red +5V Dc
  - 11 pink B+
  - 12 black B-
  - 13 yellow Ref-
  - 14 not connected
  - 15 blue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

Connector Hummel M23 12 pin  
7.001.912.103+7.001.912.104



- 1 brown +24 V Dc
- 2 blue 0 V Dc
- 3 black S1 signal
- 4 black S2 signal
- 6 black S3 signal
- 7 rear PT 1000
- 8 not connected
- 9 rear PT 1000
- 10 front PT 1000
- 11 shield
- 12 front PT 1000

SPEED	RPM	1000	2000	3000	9000	12000	18000
FREQUENCY	Hz	71	137	200	630	800	1200
POWER (S1)	KW	21	42	42	33.5	25	
TONQUE (S1)	Nm	200	200	135	43	27	13
TENSION (S1)	V	195	260	380	380	380	380
CURRENT (S1)	A	125	260	98	78	63	51
POWER (S6-40% 2 min.)	KW	26	53	53	39	27	
TONQUE (S6-40% 2 min.)	Nm	254	254	171	65	29	14
TENSION (S6-40% 2 min.)	V	195	260	380	380	380	380
CURRENT (S6-40% 2 min.)	A	154	154	119	100	69	53



Asynchronous motor: 8 poles

Runout taper 0.002mm

**Peron Speed**  
INTERDUAL CUSTOMER:  
SUBJECT: PS TCV-213