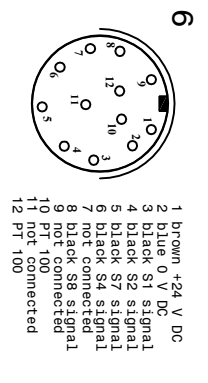
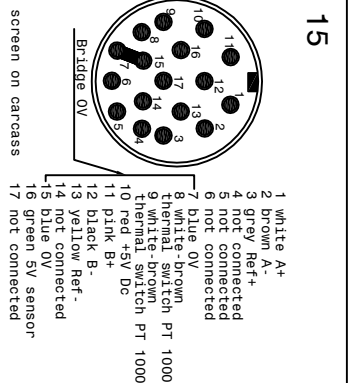
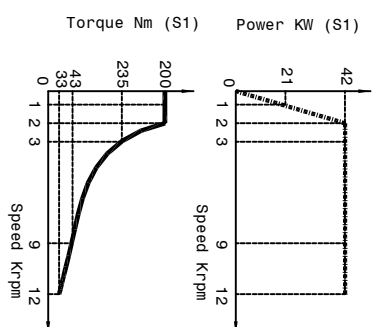


- 1-Coolant inlet (G1/2") (3-4 bar) (10 L/min.)
- 2-Coolant outlet (G1/2")
- 3-Hydraulic pressure unclamping tool (max 80bar - max 90bar) (G1/4")
- 4-Air pressure clamping tool (Return piston) (6bar max) (G1/4")
- 5-Electric connection (L=2.5 mt)
- 3 Phases motor - Earth Ø6 mm 10 mm<sup>2</sup> brown
- 3/a Phase U n.1, 2 cables Ø6 mm 10 mm<sup>2</sup> blue
- 5/b Phase W n.2 cables Ø6 mm 10 mm<sup>2</sup> black
- 5/c Phase V n.2 cables Ø6 mm 10 mm<sup>2</sup> yellow-green
- 6-0.1 bar sensor (holoport) line 2: S4-S7-S8
- S7 PNP = Piston under pressure ready to receive tools: arbor.
- S8 PNP = Piston under pressure ready to receive tools: arbor.
- The electrospindle can not turn.
- S4 PNP = Toolholders not clamped
- S7 = Sensor shaft to block the electrospindle cannot turn.
- S8 = Sensor shaft unblock
- PT 100 Bearing's temperature sensor
- 7-Front-side pressurization filtered (5µm) (1-1.5 bar) (G1/8")
- 8-Tool cooling water (G3/8") (20 bar)
- 15-Outlet encoder's cables (Gel 2444 KN) (Motor thermal switch (N°1 PT 1000)
- 17-Tool's Lubro refrigerant inlet by rotary (80 bar) joint (G1/4")
- Inlet air 5 bar 10000 RPM
- MOL
- 18-Rotary joint Leakage outlet (G1/8")
- 19-Inlet air arbor's cleaning (6 bar) (G1/8")
- The electrospindle cannot turn.
- 21-0.11 inlet to block the shaft (60bar) (G1/4")
- 22-0.11 inlet to unblock the shaft (60bar) (G1/4")

Cooling capacity=6500 Watt  
Grease Bearings Lubrication



SPEED	1000	2000	3000	1600	1200
FREQUENCY	Hz 7.1	13.7	20.0	6.30	8.00
POWER (S1)	kW 2.1	4.2	6.3	4.2	3.2
TORQUE (S1)	Nm 250	250	165	46	32
TENSION (S1)	V 135	250	380	380	380
CURRENT (S1)	A 13.5	12.9	9.9	12	9.8
ROTOR (S8-40% 2 min.)	kW 2.0	5.3	5.3	5.3	5.3
TORQUE (S8-40% 2 min.)	Nm 254	254	171	65	42
TENSION (S8-40% 2 min.)	V 135	250	380	380	380
CURRENT (S8-40% 2 min.)	A 13.5	13.4	10.0	10.0	7.4



Asynchronous motor: 8 poles  
Runout taper 0.002mm

**Peron Speed**  
INTERMIDWAVE

SUBJECT: PSI TCV-T-205  
CUSTOMER:

Sheet: 1/1  
DIS. n° 5754-00  
DATE: 18/08/2022