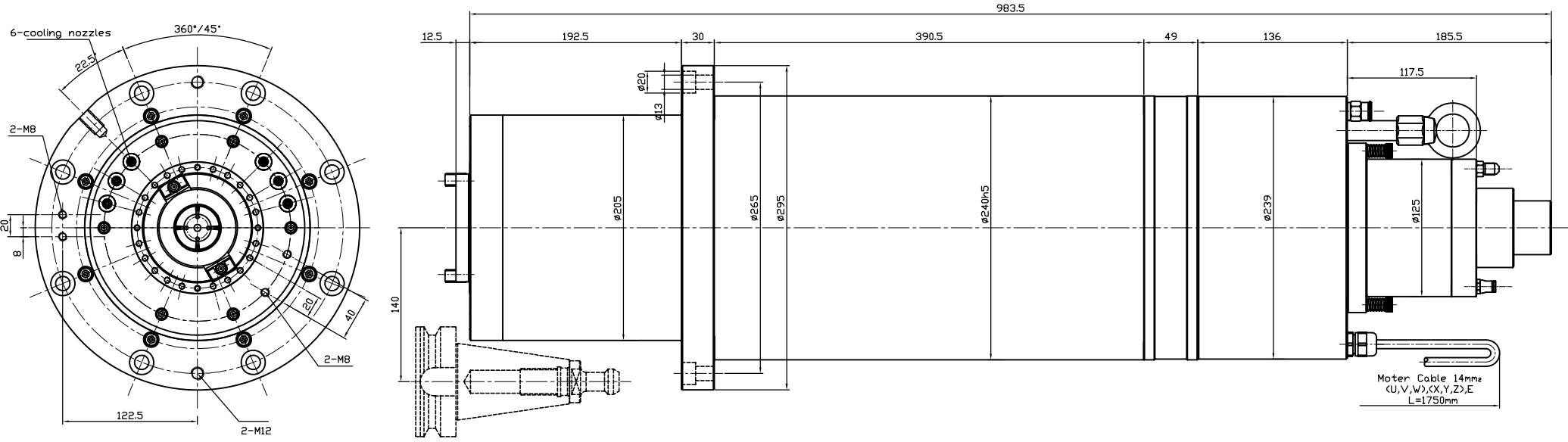
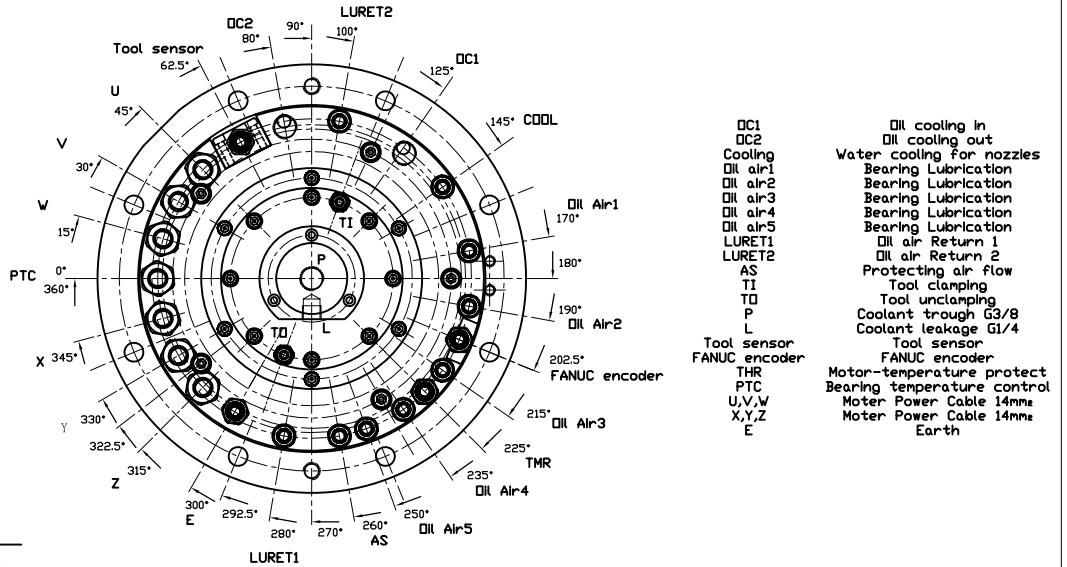


SYF-240 Built-In Motor Spindle



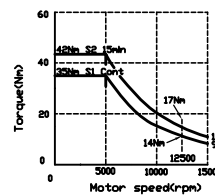
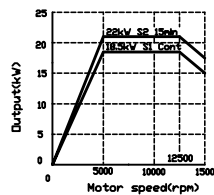
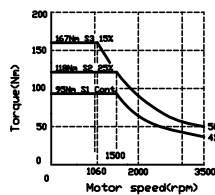
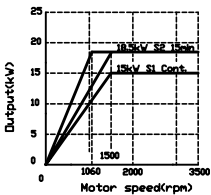
Technical specification for SYF-240 Built-In Motor Spindle

- | | |
|-----------------------------------|--|
| 1.Speed range | Up to 12,000rpm |
| 2.Maximum power | 22kw |
| 3.Rated speed | 1,500rpm |
| 4.Power band | 18.5kw from rated speed to 12,000rpm |
| 5.Torque | 95Nm to S1 rated speed |
| 6.Bearing bore size | Hybrid-Ceramic Bearing ϕ 100mm front |
| 7.Front seal | Protecting air flow |
| 8.Spindle taper | 7/24 taper |
| 9.Tool interfaces | BBT-50/BT-50 |
| 10.Tool size restrictions | a)Maximum tool length to gauge line 250mm
b)Maximum tool ϕ 150mm |
| 11.Spindle cartridge and mounting | Spindle housing hardened steel, ϕ 240h5, horizontal or vertical |
| 12.Drawbar | BT50 MAS403 P50T-1 |
| 13.Motor technology | FANUC Built-In Motor |
| 14.Bearing Lubrication | Oil-Air Lubrication |
| 15.Spindle services | Sensor, El. Power, Taper cleaning, Air seal, Oil cooling, Lubrication |
| 16.Shaft orientation | FANUC Built-In Mini Encoder |



- | | |
|---------------|-----------------------------|
| DC1 | Oil cooling in |
| DC2 | Oil cooling out |
| COOL | Water cooling for nozzles |
| Oil air1 | Bearing Lubrication |
| Oil air2 | Bearing Lubrication |
| Oil air3 | Bearing Lubrication |
| Oil air4 | Bearing Lubrication |
| Oil air5 | Bearing Lubrication |
| LURET1 | Oil air Return 1 |
| LURET2 | Oil air Return 2 |
| AS | Protecting air flow |
| TI | Tool clamping |
| TD | Tool unclamping |
| P | Coolant trough G3/8 |
| L | Coolant leakage G1/4 |
| Tool sensor | Tool sensor |
| FANUC encoder | FANUC encoder |
| THR | Motor-temperature protect |
| PTC | Bearing temperature control |
| U,V,W | Motor Power Cable 14mm² |
| X,Y,Z | Motor Power Cable 14mm² |
| E | Earth |

Motor Type : FANUC α B112L/15000i



Low winding

High winding

主軸安裝尺寸		孔距一般公差	加工一般公差	件號	240-10010-51	SYF-240	1
ϕ 240	H6	+0.029	± 0.3	件名	外觀尺寸圖	機型	數量
ϕ 240	H5	+0.020	± 0.2	材質		核定	
ϕ 240	h6	0	± 0.3	表面處理		校對	
ϕ 240	h5	-0.020	± 0.2	比例	1:1 投影	設計	
			$\pm 1/2$	製圖	陳冠宇	07.03.30	
			一般圓角 R2	組合圖號			
			一般圓角 C1	先鋒企業股份有限公司			
				Spindlex Technologies Co., LTD			
				版本			1.0