



ARES Technical Data

Axes strokes	Quick positioning speeds	Quick accelerations
X = 3,600 mm (141.73")	80 meters/min. (3,149.6"/min.)	3.0 m/s ² (118.1"/s ²)
X = 4,800 mm (188.97")	80 meters/min. (3,149.6"/min.)	3.0 m/s ² (118.1"/s ²)
X = 6,000 mm (236.22")	80 meters/min. (3,149.6"/min.)	3.0 m/s ² (118.1"/s ²)
Y = 1,800 mm (70.86")	80 meters/min. (3,149.6"/min.)	3.0 m/s ² (118.1"/s ²)
Y = 2,600 mm (102.36")	80 meters/min. (3,149.6"/min.)	3.0 m/s ² (118.1"/s ²)
Z = 1,200 mm (47.24")	70 meters/min. (2,755.9"/min.)	3.0 m/s ² (118.1"/s ²)
B° = +/- 120° - PX5	9,000°/min.	500°/s ²
B° = +/- 135° - TUCU	9,000°/min.	500°/s ²
C° = +/- 270° - PX5, TUCU	9,000°/min.	500°/s ²
5-Axes Working Units	Power – Maximum Speed	Toolchanging Magazine
PX5 – liquid-cooled	(S1) 12 kW (16 HP) – 24,000 rpm	8 to 48 stations
PX5 – liquid-cooled	(S1) 6.5 kW (8.7 HP) – 40,000 rpm	8 to 16 stations
TUCU – liquid-cooled	(S1) 6 kW (8 HP) – 27,000 rpm	8 to 16 stations
Additional Working Unit		
Drilling unit	9 vertical / horizontal exits (5 vertical / 2+2 horizontal)	Exits on 32 mm centers