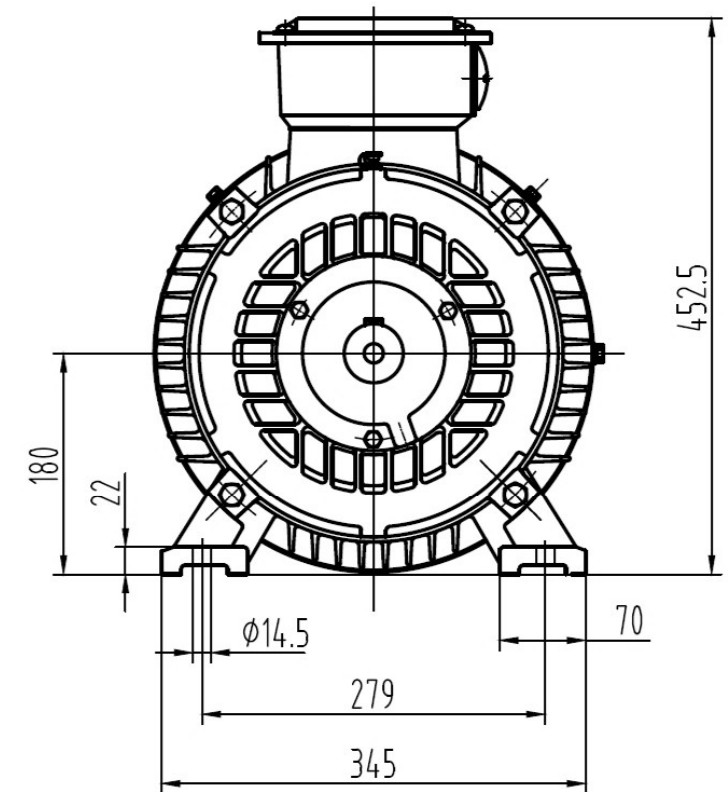


Technical drawing of a pulley assembly. The pulley has a diameter of $\phi 48$. The pulley is mounted on a shaft with a diameter of 14. The pulley is secured with a nut and washer, labeled M16X36. The distance from the center of the pulley to the top of the shaft is 9. The total height of the assembly is 42.5.



Technical data sheet

General data	
Frame size	180
Housing material	Casting iron
Install model	According to the standard
Type of feet	Fixed feet
Net weight	195 kg
Insulation class	F
Protection degree	IP 55
Thermal protection	3x PTC 150°C
Rotation direction	Clockwise
Service duty	S1
Vibration level	A
Balance	Half-key balanced
Cable glands	M32x1.5
Cooling	IC 411
Painting color	RAL 5010
Regulations	IEC / DIN / ISO / VDE / EN
Standard	IEC 60034

Environmental conditions	
Ambient temperature	From -20°C to +40°C
Maximum altitude	1000 m above sea level

Electrical data		
Output	18.5	kW
Frequency	50	Hz
Voltage (±5%)	400 690 480 828	V Δ @ 50Hz V Y @ 50Hz V Δ @ 60Hz V Y @ 60Hz
Rotation speed	975 1170	RPM @ 50Hz RPM @ 60Hz
Rated current	36.10 20.96	A (In) @ Δ 50Hz A (In) @ Y 50Hz
Starting current	7.3	×In
Rated torque	181.2	Nm (Mn)
Starting torque	2.0	×Mn
Breakdown torque	2.1	×Mn
Efficiency	91.2 91.6 90.2	IE3 @ 100% load @ 75% load @ 50% load
Power factor cosφ	0.81	@ 100% load

Mechanical data		
Bearings brand	SKF Explorer	
Bearings type	6311 C3 6311 C3	(DE) (NDE)
Allowed radial load	3935 N	
Allowed axial load	30000 N	
Lubrication interval of NDE bearing	24000 h	
Lubrication interval of DE bearing	24000 h	
Moment of inertia	0.446000	Kg*m ²
Noise level	73	dB(A)

YE3 180L2-6 B35

