

Comparison Talas Starter vs. VFD



Talas Starter

Talas Starter is a “ready to use” electric motor center designed for shock-free soft starting of AC motors without the use of semiconductive converters.



Electronic VFD

Variable frequency drive (VFD) is an electronic AC motor drive designed for wide control of AC motors' rotating speed and torque.

	Talas Starter	VFD
Ready to use motor control center	YES	NO, circuit breakers, safety switches and relays, etc. needed
Motor speed control	NO	YES, full control of motor's rotational speed
100% harmonic free	YES	NO, strong harmonic distortion at AC line input
Reactive power compensation	YES, $\cos \phi > 0,94$	NO, $\cos \phi$ at some loads $< 0,50$
Outdoor installation	YES	NO, additional protecting required
Starting torque adjustment	YES, 0.3-0.8 of rated torque	YES, wide starting torque adjusting possibilities
Integrated soft start function for devices with own starting mechanism	YES	NO
Power losses caused by the drive (% of the power used by the motor)	0%	2-3%