

WHICH FRANKLIN ELECTRIC DRIVE SUITS YOUR APPLICATION?

Drives are eligible for an Extended Warranty with Franklin Electric-supplied motor and pump.



Review the differences between our high-horsepower variable frequency drives and decide if your application would benefit more from a SubDrive Connect Plus™ or a Cerus® X-Drive.



FEATURES & PROTECTION	VARIABLE FREQUENCY DRIVE (VFD)	SubDrive CONNECTPLUS	CERUS X-DRIVE
	Specifically Designed...	...as a simple, powerful constant pressure solution.	...as an intuitive, all-inclusive drive solution for a variety of markets.
	Markets & Applications	Agriculture, Residential & Light Commercial, Commercial	Agriculture, Municipal, Mining & Construction, Commercial, Industrial, HVAC, Oil & Gas
	PID Control	Pressure Control	Pressure, Flow, Level, Temperature Control
	Enclosure Rating	Type 3R (Standalone)	Type 1 (Standalone), Type 12, 3R
	Type of Compatible Pumps	SUB Models: Submersible or Above-Ground CEN Models: Above-Ground Only	SUB Models: Submersible or Above-Ground CEN Models: Above-Ground Only
	Horsepower Range	1 - 15 HP (230V) 1 - 30 HP (460V)	1 - 100 HP (200V), 1 - 125 HP (230V), 1 - 100 HP (460V), 1 - 700 HP (575V)
	Input Voltage	230VAC, 460VAC	200VAC, 230VAC, 460VAC, 575VAC
	Phase Conversion	230VAC Models Only	200VAC, 230VAC, 460VAC, 575VAC
	Temperature	PT100/1000 Motor Protection	PT100 or PTC Protection or PID Control
	Speed Control	User Interface or Mobile App	User Interface or 0-10VDC Potentiometer
	Remote Monitoring	Modbus (Coming Soon)	Modbus RTU, BACnet MSTP (Optional Modbus TCP/IP & Ethernet IP)
	Mobile App	FE Connect mobile app via Bluetooth connectivity (Available Now)	FE Connect mobile app via Bluetooth connectivity (Available Early 2021)
	Input Disconnect	Not Included	Integrated in Panels (Optional)
Multi-Drive Capacity	Up to 8 Drives	Up to 8 Drives (Available Late 2021)	
Filtering Options	Integrated dV/dt in SUB models	Integrated dV/dt in 460V & 575V SUB models	

INPUT / OUTPUT		QTY	DESCRIPTION	QTY	DESCRIPTION
	Analog Input	1x	4-20mA (Dedicated for Pressure Transducer)	2x	4-20mA or 0-10VDC (Adjustable)
		1x	PT100/1000 (Dedicated)	1x	0-10VDC (Not Adjustable)
	Analog Output	1x	4-20mA (Motor Speed or Transducer Repeater)	2x	4-20mA or 0-10VDC (Adjustable)
		-	-	1x	10VDC Power Supply
	Digital Input	2x	Hand/Auto and Run/Stop (Dedicated)	8x	Programmable
		1x	Wet Floor Sensor (Dedicated)	2x	Forward and Reverse Run Commands
	Digital Output	-	-	1x	24VDC Power Supply
	Relay Output	2x	Form-C Run and Fault (Dedicated)	2x	1 NO, 1 Normally Closed (Programmable)
		-	-	2x	Form-C
	Communication	1x	Wired Terminal (Modbus Coming Soon)	2x	3-wire terminals or RJ-45 sockets (Modbus RTU, BACnet MSTP)
	Pressure Switch	1x	SubDrive Pressure Sensor/Switch (Dedicated)	-	May Use Digital Input & Custom Tuning
	Safety Off Input	-	May Use Run/Stop Input	2x	Dedicated Purpose Terminals