

# DRIVES & CONTROLS PRODUCT COMPARISON

Manufactured specifically for water pumping applications by a pump manufacturer, Franklin Electric's more than 15 years of drive engineering expertise is incorporated into our product designs.



## FEATURES & PROTECTION

SPECIFICATIONS		CONTROL	PROTECTION				VARIABLE FREQUENCY DRIVES (VFD)					
		Control Box	QD Pumptec	Pumptec	Pumptec Plus	SubMonitor Connect	SubDrive Utility UT2W	SubDrive Utility UT3P	MonoDrive/MonoDriveXT	SubDrive 75/100/150/300	SubDrive 20/30/50 Connect	SubDrive Connect Plus
Features	Constant Pressure						✓	✓	✓	✓	✓	✓
	Electrical Filtering						★	★	★★★	★★★	★★	★★
Protection	Rating	NEMA 3R		NEMA 3R	NEMA 3R	Base: NEMA 1 Display: NEMA 4X	NEMA 3R	NEMA 3R	NEMA 4	NEMA 4	NEMA 3R	NEMA 3R
	Underload		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Under/Over Voltage		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Rapid Cycle			✓	✓	✓		Soft Start	Soft Start	Soft Start	Soft Start	Soft Start
	Overload/Locked Pump		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Open Circuit					Phase Loss	✓	✓	✓	✓	✓	✓
	Short Circuit						✓	✓	✓	✓	✓	✓
Phase Imbalance					✓					✓	✓	
Input/Output/Control	Pressure Sensor (Hobbs)						✓	✓	✓	✓	✓	✓
	Pressure Transducer (4-20mA)						✓	✓			✓	✓
	Run Relay Output								Accessory	Accessory or SubDrive300	✓	✓
	Fault Relay Output										✓	✓
	Broken Pipe						✓	✓			✓	✓
	Pressure Sensor Error						✓	✓			✓	✓
	Auxilliary Control					Hand/Off/Auto Modbus					✓	Run/Stop Hand/Auto
	Wet Floor Sensor										✓	✓
	Lead/Lag/Alternate						Accessory, 2 Drives	Accessory, 2 Drives	Accessory, 2 Drives	Accessory, 2 Drives	Built-in, 2 Drives	Built-in, up to 8 Drives
Mobile App (Setup, Monitoring, Troubleshooting)					✓					✓	✓	

GOOD: ★ BETTER: ★★ BEST: ★★★

## SUBMERSIBLE MOTORS

SPECIFICATIONS			CONTROL	PROTECTION				VARIABLE FREQUENCY DRIVES (VFD)					
Phase	Volts	Horsepower	Control Box	QD Pumptec	Pumptec	Pumptec Plus	SubMonitor Connect	SubDrive Utility UT2W	SubDrive Utility UT3P	MonoDrive/MonoDriveXT	SubDrive 75/100/150/300	SubDrive 20/30/50 Connect	SubDrive Connect Plus
1-Phase 2-Wire	115 V	1/3 hp – 1/2 hp			✓			✓					
	230 V	1/3 hp 1/2 hp – 1.5 hp			✓ ✓	✓	✓	✓ ✓					
1-Phase 3-Wire	230 V	1/3 hp – 1/2 hp	✓	✓	✓								
		1/3 hp	✓	✓	✓								
		1/2 hp – 1 hp	✓		✓	✓			✓	✓		✓	
		1.5 hp	✓		✓	✓			✓	✓		✓	
		2 hp	✓		✓	✓			✓	✓		✓	
		3 hp – 5 hp	✓		✓								
		5 hp – 15 hp	✓										
3-Phase	230 V	1/2 hp – 30 hp					✓						
		1/2 hp – 3/4 hp					✓		✓				✓
		1 hp – 2 hp					✓		✓				✓
		1.5 hp – 5 hp					✓				✓		✓
		5 hp – 15 hp					✓						✓
	15 hp – 30 hp					✓						✓	
460 V	1/2 hp – 30 hp					✓						✓	
		1/2 hp – 200 hp					✓						

## SURFACE PUMPS

SPECIFICATIONS			CONTROL	PROTECTION				VARIABLE FREQUENCY DRIVES (VFD)					
Phase	Volts	Horsepower	Control Box	QD Pumptec	Pumptec	Pumptec Plus	SubMonitor Connect	SubDrive Utility UT2W	SubDrive Utility UT3P	MonoDrive/MonoDriveXT	SubDrive 75/100/150/300	SubDrive 20/30/50 Connect	SubDrive Connect Plus
1-Phase 2-Wire	115 V	1/3 hp – 1 hp						✓					
	230 V	1/2 hp – 2 hp 1/10 hp – 50 hp					✓	✓					
3-Phase	230 V	1/2 hp – 200 hp					✓		✓			✓	✓
		1/2 hp – 2 hp					✓						✓
		3 hp – 5 hp					✓						✓
		5 hp – 15 hp					✓						✓
	15 hp – 400 hp					✓						✓	
460 V	1/2 hp – 30 hp 30 hp – 500 hp					✓						✓	