



Bell & Gossett Drive & Control

QUICK REFERENCE GUIDE

Bell & Gossett offers a wide range of drive and control options to help you design the highest efficiency pump system. All drives can accommodate sensed curve or area control and many also offer Sensorless curve control with our Integrated Technologic Sensorless Control (ITSC) option. Choosing the right drive for the right pump and application can be confusing. The charts below are designed to make it easier to make the right decision to build a truly efficient pump system.

e-1510 Drive Selection Guide	Controller Type			
	IPC	IPC with ITSC	Hydrovar*	PPS (requires IPC)
Pump Mount			•	
Sensored Curve Control	•	•	•	•
Sensorless Curve Control		•		Requires ITSC
Area Control	•	•	•	•
BMS Control	•	•	•	•
Sensored Multipump #	4	4	8	8
Sensorless Multipump #	N/A	Duty/Standby Only	N/A	8
Outdoor Enclosures	•	•		
Motor Type	Any	Any	TEFC Only	Any
End of Curve (w/ Flowmeter)	•	•		•
Sensorless End of Curve				•
BEP Staging				•
Color Touch Screen				•
Trending and Energy Reporting				•
Imbedded Pump Curve				•

* 30 HP limitation.

e-80/e-80SC Drive Selection Guide	Controller Type			
	IPC	IPC with ITSC	Hydrovar	PPS (requires IPC)
Pump Mount	•	•	•	•
Sensored Curve Control	•	•	•	•
Sensorless Curve Control		•		Requires ITSC
Area Control	•	•	•	•
BMS Control	•	•	•	•
Sensored Multipump #	4	4	8	8
Sensorless Multipump #	N/A	Duty/Standby Only	N/A	8
Outdoor Enclosures	•	•		
Motor Type	Any	Any	TEFC Only	Any
End of Curve (w/ Flowmeter)	•	•		•
Sensorless End of Curve				•
BEP Staging				•
Color Touch Screen				•
Trending and Energy Reporting				•
Imbedded Pump Curve				•

Bell & Gossett Control Options

Hydrovar

The Hydrovar controller is a combination of a variable frequency drive and a programmable logic controller (PLC) in one compact package, it is mounted on the fan cover of a TEFC motor. Drives are pre-programmed with patented pump specific software, designed for centrifugal pumps. They match pump output to a wide range of system conditions while protecting the pump, the motor and the pumping system. The Hydrovar can operate sensed curve or area control strategies.



Technologic Intelligent Pump Control (IPC)

The Technologic IPC Genie quickly and easily guides you through setup in as little as 15 minutes. Asking for only the required parameters, the Genie will automatically configure your set up to the optimal settings for the specific application - eliminating the guesswork in set up. The Technologic IPC controller can be further customized through the Genie for those applications with pump protections, I/O options, and multi-pump operation to get your pump system working just the way you need. The IPC can operate sensed curve or area control strategies as standard and can also be factory configured for sensorless curve control as an ITSC.



Parallel Pump Controller (requires IPC)

When paired with the Bell & Gossett e-80 and e-1510 hydraulic pumps, the Technologic PPS parallel pump controller (requires IPC) allows you to set up a parallel pumping system - up to eight pumps - and optimize for efficiency. It comes with more standard features than other comparable systems such as color touch screen, real time display of control and system curve and the Bell & Gossett entire pump library inside. It can be used for retrofit and new installations, thanks to the ability of the controller to accept either sensed or sensorless input.



Call your Bell & Gossett representative today.



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