



# Panel Selection Guide

Guide for selecting correct simplex or duplex panels for sewage, grinder and large effluent pumps based on voltage, amps and phase.

## Panel to Pump

### Simplex - Single Phase

Panel Model	Pump Model									
SXL21=3	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
SXL24=3	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
SXH21=3	FL152	FL202	LEH152	LEH202	LSG202	LSGX202				
SXH24=3	FL152	FL202	LEH152	LEH202	LSG202	LSGX202				
SXHC24=3-3	LSG202M-C	LSGX202M-C								

### Simplex - Three Phase

Panel Model	Pump Model									
SX34=3-131	LE74									
SX34=3-141	FL64	FL74	LE104							
SX34=3-171	FL63	FL104	FL154	FL204	LE73	LE103	LEH104	LEH154	LSG204	LSGX204
SX34=3-191	FL73	FL103	LEH103	LEH204						
SX34=3-511	FL153	FL203	LEH153	LEH203	LSG203	LSGX203				
SX54=3-121	LE105									
SX54=3-151	FL105	LEH105								
SX54=3-161	FL155	FL205	LEH155	LEH205	LSG205	LSGX205				

### Duplex - Single Phase

Panel Model	Pump Model									
AE21L=3	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
AE21L=4	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
AE24L=3	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
AE24L=4	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
AE21H=3	FL152	FL202	LEH152	LEH202	LSG202	LSGX202				
AE21H=4	FL152	FL202	LEH152	LEH202	LSG202	LSGX202				
AE24H=3	FL152	FL202	LEH152	LEH202	LSG202	LSGX202				
AE24H=4	FL152	FL202	LEH152	LEH202	LSG202	LSGX202				
AE24HC=3-3	LSG202M-C	LSGX202M-C								

### Duplex - Three Phase

Panel Model	Pump Model									
AE34=3-131	LE74									
AE34=4-131	LE74									
AE34=3-141	FL64	FL74	LE104							
AE34=4-141	FL64	FL74	LE104							
AE34=3-171	FL63	FL104	FL154	FL204	LE73	LE103	LEH104	LEH154	LSG204	LSGX204
AE34=4-171	FL63	FL104	FL154	FL204	LE73	LE103	LEH104	LEH154	LSG204	LSGX204
AE34=3-191	FL73	FL103	LEH103	LEH204						
AE34=4-191	FL73	FL103	LEH103	LEH204						
AE34=3-511	FL153	FL203	LEH153	LEH203	LSG203	LSGX203				
AE34=4-511	FL153	FL203	LEH153	LEH203	LSG203	LSGX203				
AE54=3-121	LE105									
AE54=4-121	LE105									
AE54=3-151	FL105	LEH105								
AE54=4-151	FL105	LEH105								
AE54=3-161	FL155	FL205	LEH155	LEH205	LSG205	LSGX205				
AE54=4-161	FL155	FL205	LEH155	LEH205	LSG205	LSGX205				



## Intelligent Panel ▪ Simplex ▪ Single Phase

Panel Model	Pump Model									
IPS-24L	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
IPS-24H	FL152	FL202	LEH152	LEH202	LSG202	LSGX202	LEH202			
IPS-24HC	LSG202M-C	LSGX202M-C								

## Intelligent Panel ▪ Simplex ▪ Three Phase

Panel Model	Pump Model									
IPS-34-131	LE74									
IPS-34-141	FL64	FL74	LE104							
IPS-34-171	FL63	FL104	FL154	FL204	LE73	LE103	LEH104	LEH154	LSG204	LSGX204
IPS-34-191	FL73	FL103	LEH103	LEH204						
IPS-34-511	FL153	FL203	LEH153	LEH203	LSG203	LSGX203				
IPS-54-121	LE105									
IPS-54-151	FL105	LEH105								
IPS-54-161	FL155	FL205	LEH155	LEH205	LSG205	LSGX205				

## Intelligent Panel ▪ Duplex ▪ Single Phase

Panel Model	Pump Model									
IPD-24L	FL102	LE41	LE51	LE52	LE71	LE72	LE102	LEH102	PRG101	PRG102
IPD-24H	FL152	FL202	LEH152	LEH202	LSG202	LSGX202	LEH202			
IPD-24HC	LSG202M-C	LSGX202M-C								

## Intelligent Panel ▪ Duplex ▪ Three Phase

Panel Model	Pump Model									
IPD-34-131	LE74									
IPD-34-141	FL64	FL74	LE104							
IPD-34-171	FL63	FL104	FL154	FL204	LE73	LE103	LEH104	LEH154	LSG204	LSGX204
IPD-34-191	FL73	FL103	LEH103	LEH204						
IPD-34-511	FL153	FL203	LEH153	LEH203	LSG203	LSGX203				
IPD-54-121	LE105									
IPD-54-151	FL105	LEH105								
IPD-54-161	FL155	FL205	LEH155	LEH205	LSG205	LSGX205				

## Intrinsically Safe ▪ Simplex (Explosion Proof) Requires cap kit (Sold separately) See pages 4-5

Panel Model	Pump Model											
ISS24HS1=3-5	XLSG208	XLSG202										
ISS24KS1=3-5	XLSG208	XLSGX202	XLSGX208									
ISS24LC1=3-5	XFL51	XFL52	XFL71	XFL72	XLE51	XLE52	XLE71	XLE72	XLE102	XLE152	XFL102	XFL152
ISS34=3-131-5	XLE54	XLE74										
ISS34=3-141-5	XFL54	XFL74	XLE53									
ISS34=3-171-5	XFL53	XFL73	XLE73	XLE104	XLE154	XFL104	XFL154					
ISS34=3-191-5	XLE103	XLE153	XFL103	XFL153	XLSG204	XLSGX204						
ISS34=3-511-5	XLSG203	XLSGX203										
ISS54=3-121-5	XFL55	XLE55	XLE75									
ISS54=3-151-5	XFL75	XLE105	XLE155	XFL105	XFL155							
ISS54=3-161-5	XLSG205	XLSGX205										

## Intrinsically Safe ▪ Duplex (Explosion Proof) Requires cap kit (Sold separately) See pages 4-5

Panel Model	Pump Model											
ISD24HS2=3-5	XLSG208	XLSG202										
ISD24KS2=3-5	XLSG208	XLSGX202	XLSGX208									
ISD24LC2=3-5	XFL51	XFL52	XFL71	XFL72	XLE51	XLE52	XLE71	XLE72	XLE102	XLE152	XFL102	XFL152
ISD34=3-131-5	XLE54	XLE74										
ISD34=3-141-5	XFL54	XFL74	XLE53									
ISD34=3-171-5	XFL53	XFL73	XLE73	XLE104	XLE154	XFL104	XFL154					
ISD34=3-191-5	XLE103	XLE153	XFL103	XFL153	XLSG204	XLSGX204						
ISD34=3-511-5	XLSG203	XLSGX203										
ISD54=3-121-5	XFL55	XLE55	XLE75									
ISD54=3-151-5	XFL75	XLE105	XLE155	XFL105	XFL155							
ISD54=3-161-5	XLSG205	XLSGX205										

Model	Simplex		Duplex		IP Simplex	IP Duplex
	NEMA 1	NEMA 4X	NEMA 1	NEMA 4X		
<b>LE-Series - Single Phase</b>						
Pump Model	Panel Model					
LE41	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LE51	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LE52	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LE71	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LE72	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LE102	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LEH102	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
LEH152	SXH21=3	SXH24=3	AE21H=3 or 4	AE24H=3 or 4	IPS-24H	IPD-24H
LEH202	SXH21=3	SXH24=3	AE21H=3 or 4	AE24H=3 or 4	IPS-24H	IPD-24H

## LE-Series - Three Phase

Pump Model	Panel Model					
LE73	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
LE74	SX34=3-131		AE34=3-131 (or =4-)		IPS-34-131	IPD-34-131
LE103	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
LE104	SX34=3-141		AE34=3-141 (or =4-)		IPS-34-141	IPD-34-141
LE105	SX54=3-121		AE54=3-121 (or =4-)		IPS-54-121	IPD-54-121
LEH103	SX34=3-191		AE34=3-191 (or =4-)		IPS-34-191	IPD-34-191
LEH104	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
LEH105	SX54=3-151		AE54=3-151 (or =4-)		IPS-54-151	IPD-54-151
LEH153	SX34=3-511		AE34=3-511 (or =4-)		IPS-34-511	IPD-34-511
LEH154	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
LEH155	SX54=3-161		AE54=3-161 (or =4-)		IPS-54-161	IPD-54-161
LEH203	SX34=3-511		AE34=3-511 (or =4-)		IPS-34-511	IPD-34-511
LEH204	SX34=3-191		AE34=3-191 (or =4-)		IPS-34-191	IPD-34-191
LEH205	SX54=3-161		AE54=3-161 (or =4-)		IPS-54-161	IPD-54-161

## FL-Series - Single Phase

Pump Model	Panel Model					
FL51	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
FL52	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
FL62	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
FLH61	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
FL72	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
FL102	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
FL152	SXH21=3	SXH24=3	AE21H=3 or 4	AE24H=3 or 4	IPS-24H	IPD-24H
FL202	SXH21=3	SXH24=3	AE21H=3 or 4	AE24H=3 or 4	IPS-24H	IPD-24H

## FL-Series - Three Phase

Pump Model	Panel Model					
FL63	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
FL64	SX34=3-141		AE34=3-141 (or =4-)		IPS-34-141	IPS-34-141
FL73	SX34=3-191		AE34=3-191 (or =4-)		IPS-34-191	IPD-34-191
FL74	SX34=3-141		AE34=3-141 (or =4-)		IPS-34-141	IPS-34-141
FL103	SX34=3-191		AE34=3-191 (or =4-)		IPS-34-191	IPD-34-191
FL104	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
FL105	SX54=3-151		AE54=3-151 (or =4-)		IPS-54-151	IPD-54-151
FL153	SX34=3-511		AE34=3-511 (or =4-)		IPS-34-511	IPD-34-511
FL154	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
FL155	SX54=3-161		AE54=3-161 (or =4-)		IPS-54-161	IPD-54-161
FL203	SX34=3-511		AE34=3-511 (or =4-)		IPS-34-511	IPD-34-511
FL204	SX34=3-171		AE34=3-171 (or =4-)		IPS-34-171	IPD-34-171
FL205	SX54=3-161		AE54=3-161 (or =4-)		IPS-54-161	IPD-54-161

# Pump to Panel Continued

Model	<i>Simplex</i>		<i>Duplex</i>		<i>IP Simplex</i>	<i>IP Duplex</i>
	NEMA 1	NEMA 4X	NEMA 1	NEMA 4X		
<b>Grinder Pump ■ Single Phase</b>						
<i>Pump Model</i>	<i>Panel Model</i>					
LSG202	SXH21=3	SXH24=3	AE21H=3 or 4	AE24H=3 or 4	IPS-24H	IPD-24H
LSGX202	SXH21=3	SXH24=3	AE21H=3 or 4	AE24H=3 or 4	IPS-24H	IPD-24H
LSG202M-C		SXHC24=3-3		AE24HC=3-3	IPS-24HC	IPD-24HC
LSGX202M-C		SXHC24=3-3		AE24HC=3-3	IPS-24HC	IPD-24HC
PRG101	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L
PRG102	SXL21=3	SXL24=3	AE21L=3 or 4	AE24L=3 or 4	IPS-24L	IPD-24L

## Grinder Pump ■ Three Phase

<i>Pump Model</i>	<i>Panel Model</i>					
LSG203		SX34=3-511		AE34=3-511 (or =4-)	IPS-34-511	IPD-34-511
LSGX203		SX34=3-511		AE34=3-511 (or =4-)	IPS-34-511	IPD-34-511
LSG204		SX34=3-171		AE34=3-171 (or =4-)	IPS-34-171	IPD-34-171
LSG205		SX54=3-161		AE54=3-161 (or =4-)	IPS-54-161	IPD-54-161
LSGX204		SX34=3-171		AE34=3-171 (or =4-)	IPS-34-171	IPD-34-171
LSGX205		SX54=3-161		AE54=3-161 (or =4-)	IPS-54-161	IPD-54-161

## Intrinsically Safe ■ FL-Series (Explosion Proof)

*Capacitor Kit*

<i>Pump Model</i>	<i>Panel Model</i>				
XFL51		ISS24LC1=3-5		ISD24LC2=3-5	K001515
XFL52		ISS24LC1=3-5		ISD24LC2=3-5	K001514
XFL53		ISS34=3-171-5		ISD34=3-171-5	
XFL54		ISS34=3-141-5		ISD34=3-141-5	
XFL55		ISS54=3-121-5		ISD54=3-121-5	
XFL71		ISS24LC1=3-5		ISD24LC2=3-5	K001515
XFL72		ISS24LC1=3-5		ISD24LC2=3-5	K001514
XFL73		ISS34=3-171-5		ISD34=3-171-5	
XFL74		ISS34=3-141-5		ISD34=3-141-5	
XFL75		ISS54=3-151-5		ISD54=3-151-5	
XFL102		ISS24LC1=3-5		ISD24LC2=3-5	K001585
XFL103		ISS34=3-191-5		ISD34=3-191-5	
XFL104		ISS34=3-171-5		ISD34=3-171-5	
XFL105		ISS54=3-151-5		ISD54=3-151-5	
XFL152		ISS24LC1=3-5		ISD24LC2=3-5	K001585
XFL153		ISS34=3-191-5		ISD34=3-191-5	
XFL154		ISS34=3-171-5		ISD34=3-171-5	
XFL155		ISS54=3-151-5		ISD54=3-151-5	

## Intrinsically Safe ■ LE-Series (Explosion Proof)

<i>Pump Model</i>	<i>Panel Model</i>				
XLE51		ISS24LC1=3-5		ISD24LC2=3-5	K001514
XLE52		ISS24LC1=3-5		ISD24LC2=3-5	K001513
XLE53		ISS34=-141-5		ISD34=3-141-5	
XLE54		ISS34=-131-5		ISD34=3-131-5	
XLE55		ISS54=3-121-5		ISD54=3-121-5	
XLE71		ISS24LC1=3-5		ISD24LC2=3-5	K001514
XLE72		ISS24LC1=3-5		ISD24LC2=3-5	K001513
XLE73		ISS34=3-171-5		ISD34=3-171-5	
XLE74		ISS34=3-131-5		ISD34=3-131-5	
XLE75		ISS54=3-121-5		ISD54=3-121-5	
XLE102		ISS24LC1=3-5		ISD24LC2=3-5	K001585
XLE103		ISS34=3-191-5		ISD34=3-191-5	
XLE104		ISS34=3-171-5		ISD34=3-171-5	
XLE105		ISS54=3-151-5		ISD54=3-151-5	
XLE152		ISS24LC1=3-5		ISD24LC2=3-5	K001585
XLE153		ISS34=3-191-5		ISD34=3-191-5	
XLE154		ISS34=3-171-5		ISD34=3-171-5	
XLE155		ISS54=3-151-5		ISD54=3-151-5	

# Pump to Panel Continued

<i>Model</i>	<i>Simplex</i>		<i>Duplex</i>		<i>Capacitor Kit</i>
	<i>NEMA 1</i>	<i>NEMA 4X</i>	<i>NEMA 1</i>	<i>NEMA 4X</i>	

## **Intrinsically Safe ▪ LSG-Series (Explosion Proof)**

<i>Pump Model</i>	<i>Panel Model</i>		<i>Capacitor Kit</i>
XLSG208	ISS24HS1=3-5	ISD24HS2=3-5	K001640
XLSGX208	ISS24KS1=3-5	ISD24KS2=3-5	K001640
XLSG202	ISS24HS1=3-5	ISD24HS2=3-5	K001641
XLSGX202	ISS24KS1=3-5	ISD24KS2=3-5	K001641
XLSG203	ISS34=3-511-5	ISD34=3-511-5	
XLSGX203	ISS34=3-511-5	ISD34=3-511-5	
XLSG204	ISS34=3-191-5	ISD34=3-191-5	
XLSGX204	ISS34=3-191-5	ISD34=3-191-5	
XLSG205	ISS54=3-161-5	ISD54=3-161-5	
XLSGX205	ISS54=3-161-5	ISD54=3-161-5	