

DRIVES & CONTROLS



PANEL SIZING GUIDE - FE SUBMERSIBLE MOTORS

4" 1-PHASE INPUT / 3-PHASE OUTPUT

Motor				P-Series VFD Submersible	
Model Prefix	HP	SFA (Max Amps)	Volts	Part No.	
234306	3	12.5	208	CIE3R-SUBP005-P2-1	
234307	5	20.5		CIE3R-SUBP007-P2-1	
234308	7.5	30.5		CIE3R-SUBP010-P2-1	
234316	3	10.9	230	CIE3R-SUBP003-P2-1	
234317	5	17.8		CIE3R-SUBP005-P2-1	
234318	7.5	26.4		CIE3R-SUBP007-P2-1	
234326	3	5.5	460	CIE3R-SUBP003-P4-1	
234327	5	8.9		CIE3R-SUBP005-P4-1	
234328	7.5	13.2		CIE3R-SUBP007-P4-1	
234595	10	17.3	575	CIE3R-SUBP010-P4-1	
234336	3	4.4		CIE3R-SUBP003-P6-1	
234337	5	7.1		CIE3R-SUBP005-P6-1	
234338	7.5	10.6	575	CIE3R-SUBP007-P6-1	
234598	10	13.6		CIE3R-SUBP010-P6-1	

4" 3-PHASE INPUT / 3-PHASE OUTPUT

Motor				Smartstart™ Pump (SSP)	Standard Pump Starter Reduced Voltage (SPS-RV)	SubMonitor Starter (SMS)	Intelligent Pump Starter (IPS)	Intelligent Pump Starter Reduced Voltage (IPS-RV)	P-Series VFD Submersible
Model Prefix	HP	SFA (Max amps)	Volts	Part No.					
234306	3	12.5	208	SSP3R-SOP-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-J-G30	IPS3R-S1-J-G30	IPS3R-RV-S1-J-G30	CIE3R-SUBP003-P2-3
234307	5	20.5		SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-SUBP005-P2-3
234308	7.5	30.5		SSP3R-S1P-J-G60	SPS3R-RV-S1P-J-G60	SMS3R-S1P-J-G60	IPS3R-S1P-J-G60	IPS3R-RV-S1P-J-G60	CIE3R-SUBP010-P2-3
234316	3	10.9	230	SSP3R-S0-J-G20	SPS3R-RV-S1-J-G15	SMS3R-S1-J-G20	IPS3R-S1-J-G20	IPS3R-RV-S1-J-G20	CIE3R-SUBP003-P2-3
234317	5	17.8		SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-SUBP005-P2-3
234318	7.5	26.4		SSP3R-S1P-J-G50	SPS3R-RV-S1P-J-G50	SMS3R-S1P-J-G50	IPS3R-S1P-J-G50	IPS3R-RV-S1P-J-G50	CIE3R-SUBP007-P2-3
234326	3	5.5	460	SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-J-G15	IPS3R-S1-J-G15	IPS3R-RV-S1-J-G15	CIE3R-SUBP003-P4-3
234327	5	8.9		SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-J-G20	IPS3R-S1-J-G20	IPS3R-RV-S1-J-G20	CIE3R-SUBP005-P4-3
234328	7.5	13.2		SSP3R-SOP-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-J-G30	IPS3R-S1-J-G30	IPS3R-RV-S1-J-G30	CIE3R-SUBP007-P4-3
234598	10	17.3	575	SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-SUBP010-P4-3
234336	3	4.4		SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-6J-G15	IPS3R-S1-6J-G15	IPS3R-RV-S1-6J-G15	CIE3R-SUBP003-P6-3
234337	5	7.1		SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-6J-G15	IPS3R-S1-6J-G15	IPS3R-RV-S1-6J-G15	CIE3R-SUBP005-P6-3
234338	7.5	10.6	575	SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-6J-G20	IPS3R-S1-6J-G20	IPS3R-RV-S1-6J-G20	CIE3R-SUBP007-P6-3
234598	10	13.6		SSP3R-SOP-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-6J-G30	IPS3R-S1-6J-G30	IPS3R-RV-S1-6J-G30	CIE3R-SUBP010-P6-3

PANEL SIZING GUIDE - FE SUBMERSIBLE MOTORS

6" 1-PHASE INPUT / 3-PHASE OUTPUT

Motor				P-Series VFD Submersible
Model Prefix	HP	SFA (Max Amps)	Volts	Part No.
236650	5	20	208	CIE3R-SUBP007-P2-1
236651	7.5	28.3		CIE3R-SUBP010-P2-1
236652	10	37		CIE3R-SUBP015-P2-1
236653	15	54.4		CIE3R-SUBP020-P2-1
236600	5	17.6	230	CIE3R-SUBP005-P2-1
236601	7.5	24.6		CIE3R-SUBP007-P2-1
236602	10	32.4		CIE3R-SUBP010-P2-1
236603	15	47.4		CIE3R-SUBP015-P2-1
236604	20	60.6		CIE3R-SUBP020-P2-1
236610	5	8.8	460	CIE3R-SUBP005-P4-1
236611	7.5	12.3		CIE3R-SUBP007-P4-1
236612	10	16.1		CIE3R-SUBP010-P4-1
236613	15	23.7		CIE3R-SUBP015-P4-1
236614	20	30.3		CIE3R-SUBP020-P4-1
236615	25	37.5		CIE3R-SUBP025-P4-1
236616	30	45.2		CIE3R-SUBP030-P4-1
236617	40	61.6		CIE3R-SUBP040-P4-1
276618	50	78.1		CIE3R-SUBP050-P4-1
276619	60	92.3		CIE3R-SUBP060-P4-1
236620	5	7.1	575	CIE3R-SUBP005-P6-1
236621	7.5	9.8		CIE3R-SUBP007-P6-1
236622	10	12.9		CIE3R-SUBP010-P6-1
236623	15	19		CIE3R-SUBP015-P6-1
236624	20	24.2		CIE3R-SUBP020-P6-1
236625	25	30		CIE3R-SUBP025-P6-1
236626	30	36.2		CIE3R-SUBP030-P6-1
236627	40	49.6		CIE3R-SUBP040-P6-1
236628	50	62.5		CIE3R-SUBP050-P6-1
236629	60	73.9		CIE3R-SUBP060-P6-1

PANEL SIZING GUIDE - FE SUBMERSIBLE MOTORS

6" 3-PHASE INPUT / 3-PHASE OUTPUT

Motor				Smartstart™ Pump (SSP)	Standard Pump Starter Reduced Voltage (SPS-RV)	SubMonitor Starter (SMS)	Intelligent Pump Starter (IPS)	Intelligent Pump Starter Reduced Voltage (IPS-RV)	P-Series VFD Submersible
Model Prefix	HP	SFA (Max amps)	Volts	Part No.					
236650	5	20	208	SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-SUBP005-P2-3
236651	7.5	28.3		SSP3R-S1P-J-G60	SPS3R-RV-S1P-J-G60	SMS3R-S1P-J-G60	IPS3R-S1P-J-G60	IPS3R-RV-S1P-J-G60	CIE3R-SUBP007-P2-3
236652	10	37		SSP3R-S2-J-G80	SPS3R-RV-S2-J-G80	SMS3R-S2-J-G80	IPS3R-S2-J-G80	IPS3R-RV-S2-J-G80	CIE3R-SUBP010-P2-3
236653	15	54.4		SSP3R-S3-J-G125	SPS3R-RV-S3-J-G100	SMS3R-S3-J-G100	IPS3R-S3-J-G100	IPS3R-RV-S3-J-G100	CIE3R-SUBP020-P2-3
236654	20	69.7		SSP3R-S3-J-G125	SPS3R-RV-S3-J-G125	SMS3R-S3-J-G125	IPS3R-S3-J-G125	IPS3R-RV-S3-J-G125	CIE3R-SUBP025-P2-3
236655	25	86.3		SSP3R-S3P-J-G200	N/A	SMS3R-S3P-J-G200	IPS3R-S3P-J-G200	IPS3R-RV-S3P-J-G200	CIE3R-SUBP030-P2-3
236656	30	104		SSP3R-S4-J-G200	N/A	SMS3R-S4-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	N/A
236600	5	17.6		230	SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40
236601	7.5	24.6	SSP3R-S1P-J-G50		SPS3R-RV-S1P-J-G50	SMS3R-S1P-J-G50	IPS3R-S1P-J-G50	IPS3R-RV-S1P-J-G50	CIE3R-SUBP007-P2-3
236602	10	32.4	SSP3R-S2-J-G80		SPS3R-RV-S2P-J-G60	SMS3R-S2P-J-G60	IPS3R-S2P-J-G60	IPS3R-RV-S2P-J-G60	CIE3R-SUBP010-P2-3
236603	15	47.4	SSP3R-S2-J-G100		SPS3R-RV-S3-J-G100	SMS3R-S3-J-G100	IPS3R-S3-J-G100	IPS3R-RV-S3-J-G100	CIE3R-SUBP015-P2-3
236604	20	60.6	SSP3R-S3-J-G125		SPS3R-RV-S3-J-G125	SMS3R-S3-J-G125	IPS3R-S3-J-G125	IPS3R-RV-S3-J-G125	CIE3R-SUBP020-P2-3
236605	25	75	SSP3R-S3P-J-G150		SPS3R-RV-S3-J-G150	SMS3R-S3P-J-G150	IPS3R-S3P-J-G150	IPS3R-RV-S3P-J-G150	CIE3R-SUBP025-P2-3
236656	30	90.4	SSP3R-S3P-J-G200		N/A	SMS3R-S3P-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	CIE3R-SUBP030-P2-3
236610	5	8.8	SSP3R-S0-J-G20		SPS3R-RV-S1-J-G20	SMS3R-S1-J-G20	IPS3R-S1-J-G20	IPS3R-RV-S1-J-G20	CIE3R-SUBP005-P4-3
236611	7.5	12.3	460	SSP3R-S0P-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-J-G30	IPS3R-S1-J-G30	IPS3R-RV-S1-J-G30	CIE3R-SUBP007-P4-3
236612	10	16.1		SSP3R-S0P-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-J-G30	IPS3R-S1-J-G30	IPS3R-RV-S1-J-G30	CIE3R-SUBP010-P4-3
236613	15	23.7		SSP3R-S1P-J-G50	SPS3R-RV-S1P-J-G50	SMS3R-S1P-J-G50	IPS3R-S1P-J-G50	IPS3R-RV-S1P-J-G50	CIE3R-SUBP015-P4-3
236614	20	30.3		SSP3R-S1P-J-G60	SPS3R-RV-S1P-J-G60	SMS3R-S1P-J-G60	IPS3R-S1P-J-G60	IPS3R-RV-S1P-J-G60	CIE3R-SUBP020-P4-3
236615	25	38.2		SSP3R-S2-J-G80	SPS3R-RV-S2-J-G80	SMS3R-S2-J-G80	IPS3R-S2-J-G80	IPS3R-RV-S2-J-G80	CIE3R-SUBP025-P4-3
236616	30	45.2		SSP3R-S2-J-G100	SPS3R-RV-S2-J-G100	SMS3R-S3-J-G100	IPS3R-S3-J-G100	IPS3R-RV-S3-J-G100	CIE3R-SUBP030-P4-3
236617	40	61.6		SSP3R-S3-J-G125	SPS3R-RV-S3-J-G125	SMS3R-S3-J-G125	IPS3R-S3-J-G125	IPS3R-RV-S3-J-G125	CIE3R-SUBP040-P4-3
236618	50	78.1		SSP3R-S3P-J-G150	N/A	SMS3R-S3P-J-G150	IPS3R-S3P-J-G150	IPS3R-RV-S3P-J-G150	CIE3R-SUBP050-P4-3
236619	60	92.3		SSP3R-S3P-J-G200	N/A	SMS3R-S3P-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	CIE3R-SUBP060-P4-3
236610	5	7.1		575	SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-6J-G15	IPS3R-S1-6J-G15	IPS3R-RV-S1-6J-G15
236611	7.5	9.8	SSP3R-S0-J-G20		SPS3R-RV-S1-J-G20	SMS3R-S1-6J-G20	IPS3R-S1-6J-G20	IPS3R-RV-S1-6J-G20	CIE3R-SUBP007-P6-3
236612	10	12.9	SSP3R-S0P-J-G30		SPS3R-RV-S1-J-G30	SMS3R-S1-6J-G30	IPS3R-S1-6J-G30	IPS3R-RV-S1-6J-G30	CIE3R-SUBP010-P6-3
236613	15	19	SSP3R-S1-J-G40		SPS3R-RV-S1-J-G40	SMS3R-S1-6J-G40	IPS3R-S1-6J-G40	IPS3R-RV-S1-6J-G40	CIE3R-SUBP015-P6-3
236614	20	24.2	SSP3R-S1P-J-G50		SPS3R-RV-S1P-J-G50	SMS3R-S1-6J-G50	IPS3R-S1-6J-G50	IPS3R-RV-S1-6J-G50	CIE3R-SUBP020-P6-3
236615	25	30	SSP3R-S1P-J-G60		SPS3R-RV-S1P-J-G60	SMS3R-S2-6J-G60	IPS3R-S2-6J-G60	IPS3R-RV-S2-6J-G60	CIE3R-SUBP025-P6-3
236616	30	36.2	SSP3R-S2-J-G80		SPS3R-RV-S2-J-G80	SMS3R-S2-6J-G80	IPS3R-S2-6J-G80	IPS3R-RV-S2-6J-G80	CIE3R-SUBP030-P6-3
236617	40	49.6	SSP3R-S2-J-G100		SPS3R-RV-S3-J-G100	SMS3R-S3-6J-G100	IPS3R-S3-6J-G100	IPS3R-RV-S3-6J-G100	CIE3R-SUBP040-P6-3
236618	50	62.5	SSP3R-S3P-J-G150		SPS3R-RV-S3-J-G125	SMS3R-S3-6J-G125	IPS3R-S3-6J-G125	IPS3R-RV-S3-6J-G125	CIE3R-SUBP050-P6-3
236619	60	73.9	SSP3R-S3P-J-G150		SPS3R-RV-S3P-J-G150	SMS3R-S3-6J-G150	IPS3R-S3-6J-G150	IPS3R-RV-S3-6J-G150	CIE3R-SUBP060-P6-3

PANEL SIZING GUIDE - FE SUBMERSIBLE MOTORS

8" 1-PHASE INPUT / 3-PHASE OUTPUT

Motor				P-Series VFD Submersible
Model Prefix	HP	SFA (Max Amps)	Volts	Part No.
239600	40	60	460	CIE3R-SUBP040-P4-1
239601	50	73		CIE3R-SUBP050-P4-1
239602	60	86		CIE3R-SUBP060-P4-1
239603	75	107		CIE3R-SUBP075-P4-1
239604	100	147		CIE3R-SUBP100-P4-1
239105	125	188		CIE3R-SUBP125-P4-1
239106	150	219		CIE3R-SUBP150-P4-1
239107	175	249		CIE3R-SUBP200-P4-1
239108	200	282		CIE3R-SUBP200-P4-1
239610	40	48		575
239611	50	59	CIE3R-SUBP050-P6-1	
239612	60	69	CIE3R-SUBP060-P6-1	
239613	75	86	CIE3R-SUBP075-P6-1	
239614	100	114	N/A	
239115	125	151	N/A	
239116	150	182	N/A	
239117	175	200	N/A	
239118	200	226	N/A	

8" 3-PHASE INPUT / 3-PHASE OUTPUT

Motor				Smartstart™ Pump (SSP)	Standard Pump Starter Reduced Voltage (SPS-RV)	SubMonitor Starter (SMS)	Intelligent Pump Starter (IPS)	Intelligent Pump Starter Reduced Voltage (IPS-RV)	P-Series VFD Submersible
Model Prefix	HP	SFA (Max amps)	Volts	Part No.					
239600	40	60	460	SSP3R-S3-J-G125	SPS3R-RV-S3-J-G125	SMS3R-S3-J-G125	IPS3R-S3-J-G125	IPS3R-RV-S3-J-G125	CIE3R-SUBP040-P4-3
239601	50	73		SSP3R-S3P-J-G150	SPS3R-RV-S3P-J-G150	SMS3R-S3P-J-G150	IPS3R-S3P-J-G150	IPS3R-RV-S3P-J-G150	CIE3R-SUBP050-P4-3
239602	60	86		SSP3R-S3P-J-G200	N/A	SMS3R-S3P-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	CIE3R-SUBP060-P4-3
239603	75	107		SSP3R-S4-J-G200	N/A	SMS3R-S4-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	CIE3R-SUBP075-P4-3
239604	100	147		N/A	N/A	SMS3R-S5-J-G300	IPS3R-S5-J-G300	IPS3R-RV-S5-J-G300	CIE3R-SUBP100-P4-3
239105	125	188		N/A	N/A	SMS3R-S5-J-G400	IPS3R-S5-J-G400	IPS3R-RV-S5-J-G400	CIE3R-SUBP125-P4-3
239106	150	219		N/A	N/A	SMS3R-S5-J-G400	IPS3R-S5-J-G400	IPS3R-RV-S5-J-G400	CIE3R-SUBP150-P4-3
239107	175	249		N/A	N/A	N/A	IPS3R-S5-J-G500	IPS3R-RV-S5-J-G500	CIE3R-SUBP200-P4-3
239108	200	282		N/A	N/A	N/A	IPS3R-S5-J-G500	IPS3R-RV-S5-J-G500	CIE3R-SUBP200-P4-3
239610	40	48		575	SSP3R-S2-J-G80	SPS3R-RV-S3-J-G100	SMS3R-S3-6J-G100	IPS3R-S3-6J-G100	IPS3R-RV-S3-6J-G100
239611	50	59	SSP3R-S2-J-G100		SPS3R-RV-S3-J-G125	SMS3R-S3-6J-G125	IPS3R-S3-6J-G125	IPS3R-RV-S3-6J-G125	CIE3R-SUBP050-P6-3
239612	60	69	SSP3R-S3-J-G125		SPS3R-RV-S3-J-G125	SMS3R-S3-6J-G125	IPS3R-S3-6J-G150	IPS3R-RV-S3-6J-G150	CIE3R-SUBP060-P6-3
239613	75	86	N/A		N/A	SMS3R-S4-6J-G200	IPS3R-S4-6J-G200	IPS3R-RV-S4-6J-G200	CIE3R-SUBP075-P6-3
239614	100	114	N/A		N/A	SMS3R-S4-6J-G200	IPS3R-S4-6J-G200	IPS3R-RV-S4-6J-G200	CIE3R-SUBP100-P6-3
239115	125	151	N/A		N/A	SMS3R-S5-6J-G300	IPS3R-S5-6J-G300	IPS3R-RV-S5-6J-G300	CIE3R-SUBP125-P6-3
239116	150	182	N/A		N/A	SMS3R-S5-6J-G400	IPS3R-S5-6J-G400	IPS3R-RV-S5-6J-G400	N/A
239117	175	200	N/A		N/A	SMS3R-S5-6J-G400	IPS3R-S5-6J-G400	IPS3R-RV-S5-6J-G400	N/A
239118	200	226	N/A		N/A	SMS3R-S5-6J-G400	IPS3R-S5P-6J-G500	IPS3R-RV-S5P-6J-G500	N/A

PANEL SIZING GUIDE - ABOVE GROUND MOTORS

1-PHASE INPUT / 3-PHASE OUTPUT

Motor			P-Series VFD Centrifugal
HP	FLA	Volts	Part No.
3	11	208	CIE3R-CENP003-P2-1
5	17.5		CIE3R-CENP007-P2-1
7.5	25		CIE3R-CENP010-P2-1
10	32		CIE3R-CENP015-P2-1
15	48		CIE3R-CENP020-P2-1
20	62		CIE3R-CENP020-P2-1
3	9.6	230	CIE3R-CENP003-P2-1
5	15.2		CIE3R-CENP005-P2-1
7.5	22		CIE3R-CENP007-P2-1
10	28		CIE3R-CENP010-P2-1
15	42		CIE3R-CENP015-P2-1
20	54		CIE3R-CENP020-P2-1
3	4.8	460	CIE3R-CENP003-P4-1
5	7.6		CIE3R-CENP005-P4-1
7.5	11		CIE3R-CENP007-P4-1
10	14		CIE3R-CENP010-P4-1
15	21		CIE3R-CENP015-P4-1
20	27		CIE3R-CENP020-P4-1
25	34		CIE3R-CENP025-P4-1
30	40		CIE3R-CENP030-P4-1
40	52		CIE3R-CENP040-P4-1
50	65		CIE3R-CENP050-P4-1
60	77		CIE3R-CENP060-P4-1
75	96		CIE3R-CENP075-P4-1
100	124		CIE3R-CENP100-P4-1
125	156		CIE3R-CENP125-P4-1
150	180	CIE3R-CENP150-P4-1	
200	240	CIE3R-CENP200-P4-1	
3	3.9	575	CIE3R-CENP003-P6-1
5	6.1		CIE3R-CENP005-P6-1
7.5	9		CIE3R-CENP007-P6-1
10	11		CIE3R-CENP010-P6-1
15	17		CIE3R-CENP015-P6-1
20	22		CIE3R-CENP020-P6-1
25	27		CIE3R-CENP025-P6-1
30	32		CIE3R-CENP030-P6-1
40	41		CIE3R-CENP040-P6-1
50	52		CIE3R-CENP050-P6-1
60	62		CIE3R-CENP060-P6-1
75	77	CIE3R-CENP075-P6-1	

PANEL SIZING GUIDE - ABOVE GROUND MOTORS

3-PHASE INPUT / 3-PHASE OUTPUT

Motor			Smartstart™ Pump (SSP)	Standard Pump Starter Reduced Voltage (SPS-RV)	SubMonitor Starter (SMS)	Intelligent Pump Starter (IPS)	Intelligent Pump Starter Reduced Voltage (IPS-RV)	P-Series VFD Submersible	
HP	FLA	Volts	Part No.						
3	11	208	SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-J-G20	IPS3R-S1-J-G20	IPS3R-RV-S1-J-G20	CIE3R-CENP003-P2-3	
5	17.5		SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-CENP005-P2-3	
7.5	25		SSP3R-S1P-J-G50	SPS3R-RV-S1P-J-G50	SMS3R-S1P-J-G50	IPS3R-S1P-J-G50	IPS3R-RV-S1P-J-G50	CIE3R-CENP007-P2-3	
10	32		SSP3R-S1P-J-G60	SPS3R-RV-S1P-J-G60	SMS3R-S1P-J-G60	IPS3R-S1P-J-G60	IPS3R-RV-S1P-J-G60	CIE3R-CENP010-P2-3	
15	48		SSP3R-S2-J-G100	SPS3R-RV-S2-J-G100	SMS3R-S2-J-G100	IPS3R-S2-J-G100	IPS3R-RV-S2-J-G100	CIE3R-CENP015-P2-3	
20	62		SSP3R-S2-J-G125	SPS3R-RV-S2-J-G125	SMS3R-S2-J-G125	IPS3R-S2-J-G125	IPS3R-RV-S2-J-G125	CIE3R-CENP020-P2-3	
25	78		SSP3R-S3P-J-G150	SPS3R-RV-S3P-J-G150	SMS3R-S3P-J-G150	IPS3R-S3P-J-G150	IPS3R-RV-S3P-J-G150	CIE3R-CENP025-P2-3	
30	92		SSP3R-S3P-J-G200	N/A	SMS3R-S3P-J-G200	IPS3R-S3P-J-G200	IPS3R-RV-S4-J-G200	CIE3R-CENP030-P2-3	
40	120		SSP3R-S4-J-G250	N/A	SMS3R-S4-J-G250	IPS3R-S4-J-G250	IPS3R-RV-S4-J-G250	N/A	
50	150		N/A	N/A	SMS3R-S5-J-G300	IPS3R-S5-J-G300	IPS3R-RV-S5-J-G300	N/A	
3	9.6		230	SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-J-G20	IPS3R-S1-J-G20	IPS3R-RV-S1-J-G20	CIE3R-CENP003-P2-3
5	15.2			SSP3R-S0P-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-J-G30	IPS3R-S1-J-G30	IPS3R-RV-S1-J-G30	CIE3R-CENP005-P2-3
7.5	22			SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-CENP007-P2-3
10	28			SSP3R-S1P-J-G50	SPS3R-RV-S1P-J-G50	SMS3R-S1P-J-G50	IPS3R-S1P-J-G50	IPS3R-RV-S1P-J-G50	CIE3R-CENP010-P2-3
15	42			SSP3R-S2-J-G80	SPS3R-RV-S2-J-G80	SMS3R-S2-J-G80	IPS3R-S2-J-G80	IPS3R-RV-S2-J-G80	CIE3R-CENP015-P2-3
20	54	SSP3R-S2-J-G125		SPS3R-RV-S2-J-G125	SMS3R-S2-J-G125	IPS3R-S2-J-G125	IPS3R-RV-S2-J-G125	CIE3R-CENP020-P2-3	
25	68	SSP3R-S2-J-G125		SPS3R-RV-S2-J-G125	SMS3R-S2-J-G125	IPS3R-S2-J-G125	IPS3R-RV-S2-J-G125	CIE3R-CENP025-P2-3	
30	80	SSP3R-S3P-J-G150		SPS3R-RV-S3P-J-G150	SMS3R-S3P-J-G150	IPS3R-S3P-J-G150	IPS3R-RV-S3P-J-G150	CIE3R-CENP030-P2-3	
40	104	SSP3R-S3P-J-G200		N/A	SMS3R-S3P-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	N/A	
50	130	SSP3R-S4-J-G250		N/A	SMS3R-S4-J-G250	IPS3R-S4-J-G250	IPS3R-RV-S4-J-G250	N/A	
3	4.8	460		SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-J-G15	IPS3R-S1-J-G15	IPS3R-RV-S1-J-G15	CIE3R-CENP003-P4-3
5	7.6			SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-J-G15	IPS3R-S1-J-G15	IPS3R-RV-S1-J-G15	CIE3R-CENP005-P4-3
7.5	11			SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-J-G20	IPS3R-S1-J-G20	IPS3R-RV-S1-J-G20	CIE3R-CENP007-P4-3
10	14			SSP3R-S0P-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-J-G30	IPS3R-S1-J-G30	IPS3R-RV-S1-J-G30	CIE3R-CENP010-P4-3
15	21			SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-J-G40	IPS3R-S1-J-G40	IPS3R-RV-S1-J-G40	CIE3R-CENP015-P4-3
20	27		SSP3R-S1P-J-G50	SPS3R-RV-S1P-J-G50	SMS3R-S1P-J-G50	IPS3R-S1P-J-G50	IPS3R-RV-S1P-J-G50	CIE3R-CENP020-P4-3	
25	34		SSP3R-S2-J-G80	SPS3R-RV-S2-J-G80	SMS3R-S2-J-G80	IPS3R-S2-J-G80	IPS3R-RV-S2-J-G80	CIE3R-CENP025-P4-3	
30	40		SSP3R-S2-J-G80	SPS3R-RV-S2-J-G80	SMS3R-S2-J-G80	IPS3R-S2-J-G80	IPS3R-RV-S2-J-G80	CIE3R-CENP030-P4-3	
40	52		SSP3R-S2-J-G100	SPS3R-RV-S2-J-G100	SMS3R-S2-J-G100	IPS3R-S2-J-G100	IPS3R-RV-S2-J-G100	CIE3R-CENP040-P4-3	
50	65		SSP3R-S2-J-G125	SPS3R-RV-S2-J-G125	SMS3R-S2-J-G125	IPS3R-S2-J-G125	IPS3R-RV-S2-J-G125	CIE3R-CENP050-P4-3	
60	77		SSP3R-S3P-J-G150	SPS3R-RV-S3P-J-G150	SMS3R-S3P-J-G150	IPS3R-S3P-J-G150	IPS3R-RV-S3P-J-G150	CIE3R-CENP060-P4-3	
75	96		SSP3R-S3P-J-G200	N/A	SMS3R-S3P-J-G200	IPS3R-S4-J-G200	IPS3R-RV-S4-J-G200	CIE3R-CENP075-P4-3	
100	124		SSP3R-S4-J-G250	N/A	SMS3R-S4-J-G250	IPS3R-S4-J-G250	IPS3R-RV-S4-J-G250	CIE3R-CENP100-P4-3	
125	156		N/A	N/A	SMS3R-S5-J-G300	IPS3R-S5-J-G300	IPS3R-RV-S5-J-G300	CIE3R-CENP125-P4-3	
150	180		N/A	N/A	SMS3R-S5-J-G400	IPS3R-S5-J-G400	IPS3R-RV-S5-J-G400	CIE3R-CENP150-P4-3	
200	240		N/A	N/A	N/A	IPS3R-S5-J-G500	IPS3R-RV-S5-J-G500	CIE3R-CENP200-P4-3	
250	302		N/A	N/A	N/A	IPS3R-S5P-J-G600	IPS3R-RV-S5-J-G600	CIE3R-CENP250-P4-3	
300	361		N/A	N/A	N/A	IPS3R-S5P-J-G800	N/A	CIE3R-CENP300-P4-3	
350	414		N/A	N/A	N/A	N/A	N/A	CIE3R-CENP350-P4-3	
400	477		N/A	N/A	N/A	N/A	N/A	CIE3R-CENP400-P4-3	
3	3.9		575	SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-6J-G15	IPS3R-S1-6J-G15	IPS3R-RV-S1-6J-G15	CIE3R-CENP003-P6-3
5	6.1			SSP3R-S0-J-G15	SPS3R-RV-S1-J-G15	SMS3R-S1-6J-G15	IPS3R-S1-6J-G15	IPS3R-RV-S1-6J-G15	CIE3R-CENP005-P6-3
7.5	9			SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-6J-G20	IPS3R-S1-6J-G20	IPS3R-RV-S1-6J-G20	CIE3R-CENP007-P6-3
10	11			SSP3R-S0-J-G20	SPS3R-RV-S1-J-G20	SMS3R-S1-6J-G20	IPS3R-S1-6J-G20	IPS3R-RV-S1-6J-G20	CIE3R-CENP010-P6-3
15	17			SSP3R-S0P-J-G30	SPS3R-RV-S1-J-G30	SMS3R-S1-6J-G30	IPS3R-S1-6J-G30	IPS3R-RV-S1-6J-G30	CIE3R-CENP015-P6-3
20	22			SSP3R-S1-J-G40	SPS3R-RV-S1-J-G40	SMS3R-S1-6J-G40	IPS3R-S1-6J-G40	IPS3R-RV-S1-6J-G40	CIE3R-CENP020-P6-3
25	27			SSP3R-S1P-J-G50	SPS3R-RV-S1P-J-G50	SMS3R-S1-6J-G50	IPS3R-S1-6J-G50	IPS3R-RV-S1-6J-G50	CIE3R-CENP025-P6-3
30	32			SSP3R-S1P-J-G60	SPS3R-RV-S1P-J-G60	SMS3R-S2-6J-G60	IPS3R-S2-6J-G60	IPS3R-RV-S2-6J-G60	CIE3R-CENP030-P6-3
40	41			SSP3R-S2-J-G80	SPS3R-RV-S2-J-G80	SMS3R-S2-6J-G80	IPS3R-S2-6J-G80	IPS3R-RV-S2-6J-G80	CIE3R-CENP040-P6-3
50	52			SSP3R-S2-J-G100	SPS3R-RV-S2-J-G100	SMS3R-S2-6J-G100	IPS3R-S2-6J-G100	IPS3R-RV-S2-6J-G100	CIE3R-CENP050-P6-3
60	62	SSP3R-S2-J-G125		SPS3R-RV-S2-J-G125	SMS3R-S2-6J-G125	IPS3R-S2-6J-G125	IPS3R-RV-S2-6J-G125	CIE3R-CENP060-P6-3	
75	77	SSP3R-S2-J-G150		SPS3R-RV-S2P-J-G150	SMS3R-S2-6J-G150	IPS3R-S2-6J-G150	IPS3R-RV-S2-6J-G150	CIE3R-CENP075-P6-3	
100	99	N/A		N/A	SMS3R-S4-6J-G200	IPS3R-S4-6J-G200	IPS3R-RV-S4-6J-G200	CIE3R-CENP100-P6-3	
125	125	N/A		N/A	SMS3R-S4-6J-G250	IPS3R-S4-6J-G250	IPS3R-RV-S4-6J-G250	CIE3R-CENP125-P6-3	
150	144	N/A		N/A	SMS3R-S5-6J-G300	IPS3R-S5-6J-G300	IPS3R-RV-S5-6J-G300	N/A	
200	192	N/A		N/A	SMS3R-S5-6J-G400	IPS3R-S5-6J-G400	IPS3R-RV-S5-6J-G400	N/A	
250	242	N/A		N/A	N/A	IPS3R-S5-6J-G500	IPS3R-RV-S5-6J-G500	N/A	
300	289	N/A		N/A	N/A	IPS3R-S5-6J-G600	IPS3R-RV-S5-6J-G600	N/A	

NOTE: Custom panels available up to 700 hp for CENP packages. Contact your Franklin Electric Customer Relations Territory Manager or Franklin Electric Business Development Manager for more information.

PANEL SIZING GUIDE - OPTIONS

IPS INTELLIGENT PUMP STARTER*

Part No.	Description
IPS-I-PH	Wiring for single-phase motor (required for 1Ø, no cost)
IPS-MODBUS*	Modbus RTU communications card
IPS-SRG240	Surge suppressor, 200/230 V
IPS-SRG480	Surge suppressor, 460 V
IPS-SRG600	Surge suppressor, 600 V
IPS-RPL	Run pilot light, green
IPS-FPL	Fault pilot light, red
IPS-SPB	Start push button control
IPS-STSP	Start/Stop push button control (in lieu of Hand/Off/Auto switch)
IPS-24	24 VAC control circuit (in lieu of 120 VAC control circuit)

*Factory installable

SMS SUBMONITOR STARTER*

Part No.	Description
SM-DR-KIT	Field-installed door mounted SubMonitor display kit
SMS-DR-DISPLAY	Factory-installed door mounted SubMonitor display kit
SMS-SRG240	Factory-installed surge protection device (200-240 VAC)
SMS-SRG480	Factory-installed surge protection device (460 VAC)
SMS-SRG600	Factory-installed surge protection device (600 VAC)
SMS-RPL	Factory-installed fault pilot light, green
SMS-FPL	Factory-installed fault pilot light, red
SMS-BCN	Factory-installed top mount alarm beacon light, 120 VAC
SMS-BZR	Factory-installed door-mounted buzzer w/ silence push button, 120 VAC
SMS-DHM	Factory-installed digital hour meter

*Factory and field installable

SSP SMARTSTART™ PUMP STARTER*

Part No.	Description
SSP-DHM	Digital hour meter
SSP-SRG240	Surge suppressor, 200/230 V
SSP-SRG480	Surge suppressor, 460 V
SSP-SRG600	Surge suppressor, 600 V
SSP-RPL	Run pilot light
SSP-FPL	Fault pilot light

*Factory installable

PANEL SIZING GUIDE - OPTIONS

IPS-RV INTELLIGENT PUMP SOFT STARTER

Part No.	Description
IPS-SRG240	Surge suppressor, 200/230 V
IPS-SRG480	Surge suppressor, 460 V
IPS-SRG600	Surge suppressor, 600 V
IPS-RV-SHT	Shunt trip (will trip MCCB in the event of an SCR short)
IPS-RPL	Run pilot light, green
IPS-FPL	Fault pilot light, red
IPS-SPB	Start push button control
IPS-STSP	Start/Stop push button control (in lieu of Hand/Off/Auto switch)
IPS-24	24 VAC control circuit (in lieu of 120 VAC control circuit)

SPS-RV STANDARD PUMP SOFT STARTER

Part No.	Description
SPS-SRG240	Surge suppressor, 200/230 V
SPS-SRG480	Surge suppressor, 460 V
SPS-SRG600	Surge suppressor, 600 V

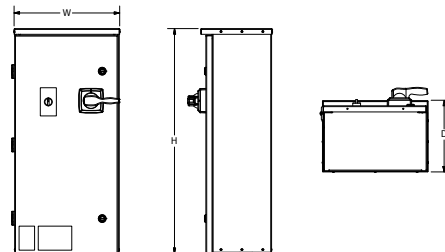
NEMA 3R LARGE DRIVE

Model No.	Description
VFD-FPL	Fault pilot light (red standard)
VFD-HOA	Hand/Off/Auto switch
VFD-KPD-4X	Door-mounted keypad w/ type 4X cover
VFD-KPD	Door-mounted keypad
VFD-RPL	Run pilot light (green standard)
VFD-SPD	Door-mounted speed potentiometer
PSIG-100-20FT	Transducer (gauge pressure), 100 PSIG 4-20 mA, +/-0.5% accuracy
PSIG-200-20FT	Transducer (gauge pressure), 200 PSIG 4-20 mA, +/-0.5% accuracy
PSIG-300-20FT	Transducer (gauge pressure), 300 PSIG 4-20 mA, +/-0.5% accuracy

PANEL SIZING GUIDE - DIMENSIONS

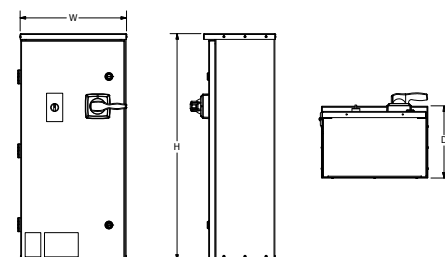
IPS INTELLIGENT PUMP STARTER

Starter	H (in)	W (in)	D (in)
IPS3R-S1-J-GXX	22	15	10
IPS3R-S1P-J-GXX			
IPS3R-S2-J-GXX			
IPS3R-S3-J-GXXX	32	15	10
IPS3R-S3P-J-GXXX			
IPS3R-S4-J-GXXX			
IPS3R-S5-J-GXXX	42	25	12
IPS3R-S5P-J-GXXX	62	25	15



SMS SUBMONITOR STARTER

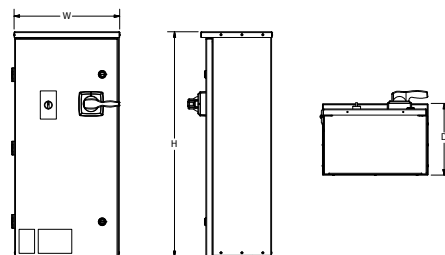
Starter	H (in)	W (in)	D (in)
SMS3R-S1-J-GXX	32	15	10
SMS3R-S1P-J-GXX			
SMS3R-S2-J-GXX			
SMS3R-S3-J-GXXX			
SMS3R-S3P-J-GXXX			
SMS3R-S4-J-GXXX	36	24	8
SMS3R-S5-J-GXXX	42	25	12



SSP SMARTSTART™ PUMP STARTER

Combination Starter	H (in)	W (in)	D (in)
SSP3R-S0-J-GXX	22	15	10
SSP3R-S0P-J-GXX			
SSP3R-S1-J-GXX			
SSP3R-S1P-J-GXX			
SSP3R-S2-J-GXX			
SSP3R-S3-J-GXX	32	15	10
SSP3R-S3P-J-GXXX			
SSP3R-S4-J-GXXX			

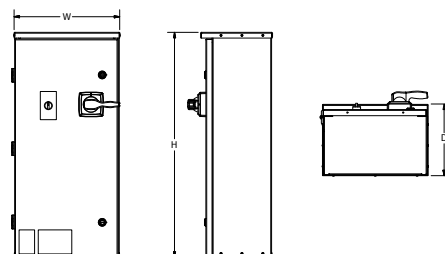
Standard Starter	H (in)	W (in)	D (in)
SSP3R-S1P-J-32	16	12	8
SSP3R-S2-J-50			
SSP3R-S3P-J-80	32	15	8
SSP3R-S4-J-130			



IPS-RV INTELLIGENT PUMP SOFT STARTER

Combination Soft Starter	H (in)	W (in)	D (in)
IPS3R-RV-S1-J-GXX	32	15	10
IPS3R-RV-S1P-J-GXX			
IPS3R-RV-S2-J-GXX			
IPS3R-RV-S3-J-GXXX			
IPS3R-RV-S3P-J-GXXX			
IPS3R-RV-S4-J-GXXX	36	24	12
IPS3R-RV-S5-J-G250	42	25	12
IPS3R-RV-S5-J-G300			
IPS3R-RV-S5-J-G400			
IPS3R-RV-S5-J-G500	62	25	15
IPS3R-RV-S5-J-G600			

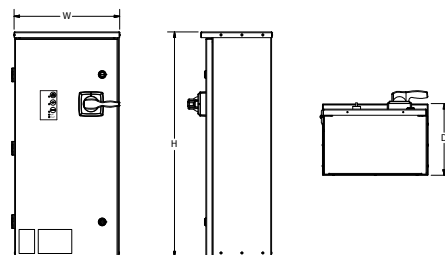
Standard Soft Starter	H (in)	W (in)	D (in)
IPS3R-RV-S2-J-50	32	15	10
IPS3R-RV-S3P-J-XX			
IPS3R-RV-S4-J-130	36	24	12
IPS3R-RV-S5-J-XXX	42	25	12



SPS-RV STANDARD PUMP SOFT STARTER

Combination Soft Starter	H	W	D
SPS3R-RV-S1-J-GXX	22	15	10
SPS3R-RV-S1P-J-GXX			
SPS3R-RV-S2-J-GXX			
SPS3R-RV-S3-J-GXXX	32	15	10
SPS3R-RV-S3P-J-GXXX			

Standard Soft Starter	H	W	D
SPS3R-RV-S00-J	22	15	10
SPS3R-RV-S0-J			
SPS3R-RV-S1-J			
SPS3R-RV-S1P-J			
SPS3R-RV-S2-J			
SPS3R-RV-S3P-J	32	15	10



PANEL SIZING GUIDE - DIMENSIONS

NEMA 3R LARGE DRIVE SUBMERSIBLES

Model No.	H	W	D
CIE3R-SUBP003-P2-1	33	22	12
CIE3R-SUBP005-P2-1			
CIE3R-SUBP007-P2-1			
CIE3R-SUBP010-P2-1	38	25	12
CIE3R-SUBP015-P2-1	43	25	12
CIE3R-SUBP020-P2-1			
CIE3R-SUBP003-P2-3	33	22	12
CIE3R-SUBP005-P2-3			
CIE3R-SUBP007-P2-3			
CIE3R-SUBP010-P2-3			
CIE3R-SUBP015-P2-3			
CIE3R-SUBP020-P2-3	38	25	12
CIE3R-SUBP030-P2-3	43	25	12
CIE3R-SUBP003-P4-1	33	22	12
CIE3R-SUBP005-P4-1			
CIE3R-SUBP007-P4-1			
CIE3R-SUBP010-P4-1	38	25	12
CIE3R-SUBP015-P4-1	43	25	12
CIE3R-SUBP020-P4-1			

Model No.	H	W	D
CIE3R-SUBP025-P4-1	48	30	16
CIE3R-SUBP030-P4-1			
CIE3R-SUBP040-P4-1			
CIE3R-SUBP050-P4-1	53	35	16
CIE3R-SUBP060-P4-1			
CIE3R-SUBP075-P4-1	60	60	24
CIE3R-SUBP100-P4-1			
CIE3R-SUBP125-P4-1			
CIE3R-SUBP150-P4-1	72	60	24
CIE3R-SUBP200-P4-1			
CIE3R-SUBP003-P4-3	33	22	12
CIE3R-SUBP005-P4-3			
CIE3R-SUBP007-P4-3			
CIE3R-SUBP010-P4-3			
CIE3R-SUBP015-P4-3			
CIE3R-SUBP020-P4-3	38	25	12
CIE3R-SUBP025-P4-3			
CIE3R-SUBP030-P4-3	43	25	12
CIE3R-SUBP040-P4-3			
CIE3R-SUBP050-P4-3	48	30	16
CIE3R-SUBP060-P4-3			

Model No.	H	W	D
CIE3R-SUBP075-P4-3	53	35	16
CIE3R-SUBP100-P4-3			
CIE3R-SUBP125-P4-3	60	60	24
CIE3R-SUBP150-P4-3			
CIE3R-SUBP200-P4-3			
CIE3R-SUBP250-P4-3	72	60	24
CIE3R-SUBP300-P4-3			
CIE3R-SUBP350-P4-3	33	22	12
CIE3R-SUBP002-P6-3			
CIE3R-SUBP003-P6-3			
CIE3R-SUBP005-P6-3			
CIE3R-SUBP007-P6-3			
CIE3R-SUBP010-P6-3	38	25	12
CIE3R-SUBP015-P6-3			
CIE3R-SUBP020-P6-3	43	25	12
CIE3R-SUBP025-P6-3			
CIE3R-SUBP030-P6-3	48	30	16
CIE3R-SUBP040-P6-3			
CIE3R-SUBP050-P6-3	53	35	16
CIE3R-SUBP060-P6-3			
CIE3R-SUBP075-P6-3	60	60	24
CIE3R-SUBP100-P6-3			
CIE3R-SUBP125-P6-3			

NEMA 3R LARGE DRIVE CENTRIFUGALS

Model No.	H	W	D
CIE3R-CENP003-P2-1	33	22	12
CIE3R-CENP005-P2-1			
CIE3R-CENP007-P2-1			
CIE3R-CENP010-P2-1	38	25	12
CIE3R-CENP015-P2-1	43	25	12
CIE3R-CENP020-P2-1			
CIE3R-CENP003-P2-3	33	22	12
CIE3R-CENP005-P2-3			
CIE3R-CENP007-P2-3			
CIE3R-CENP010-P2-3			
CIE3R-CENP015-P2-3			
CIE3R-CENP020-P2-3	38	25	12
CIE3R-CENP030-P2-3	43	25	12
CIE3R-CENP003-P4-1	33	22	12
CIE3R-CENP005-P4-1			
CIE3R-CENP007-P4-1			
CIE3R-CENP010-P4-1	38	25	12
CIE3R-CENP015-P4-1	43	25	12
CIE3R-CENP020-P4-1			

Model No.	H	W	D
CIE3R-CENP025-P4-1	48	30	16
CIE3R-CENP030-P4-1			
CIE3R-CENP040-P4-1			
CIE3R-CENP050-P4-1	53	35	16
CIE3R-CENP060-P4-1			
CIE3R-CENP075-P4-1	60	60	24
CIE3R-CENP100-P4-1			
CIE3R-CENP125-P4-1			
CIE3R-CENP150-P4-1	72	60	24
CIE3R-CENP200-P4-1			
CIE3R-CENP003-P4-3	33	22	12
CIE3R-CENP005-P4-3			
CIE3R-CENP007-P4-3			
CIE3R-CENP010-P4-3			
CIE3R-CENP015-P4-3			
CIE3R-CENP020-P4-3	38	25	12
CIE3R-CENP025-P4-3			
CIE3R-CENP030-P4-3	43	25	12
CIE3R-CENP040-P4-3			
CIE3R-CENP050-P4-3	48	30	16
CIE3R-CENP060-P4-3			

Model No.	H	W	D
CIE3R-CENP075-P4-3	53	35	16
CIE3R-CENP100-P4-3			
CIE3R-CENP125-P4-3	60	60	24
CIE3R-CENP150-P4-3			
CIE3R-CENP200-P4-3			
CIE3R-CENP250-P4-3	72	60	24
CIE3R-CENP300-P4-3			
CIE3R-CENP350-P4-3	33	22	12
CIE3R-CENP002-P6-3			
CIE3R-CENP003-P6-3			
CIE3R-CENP005-P6-3			
CIE3R-CENP007-P6-3			
CIE3R-CENP010-P6-3	38	25	12
CIE3R-CENP015-P6-3			
CIE3R-CENP020-P6-3	43	25	12
CIE3R-CENP025-P6-3			
CIE3R-CENP030-P6-3	48	30	16
CIE3R-CENP040-P6-3			
CIE3R-CENP050-P6-3	53	35	16
CIE3R-CENP060-P6-3			
CIE3R-CENP075-P6-3	60	60	24
CIE3R-CENP100-P6-3			
CIE3R-CENP125-P6-3			

