

PSE – The efficient range

Normal starts, class 10, in-line, ordering details



3



PSE18 ... PSE105

1SFC132311F0001



PSE142 ... PSE170

1SFC132312F0002



PSE210 ... PSE370

1SFC132310F0002

Description

Selection table for normal start.

Typical applications:

- Bow thruster
- Centrifugal pump
- Compressor
- Conveyor or belt (short)
- Elevator
- Escalator

If more than 10 starts/h, select one size larger than the standard selection.

For a more precise selection, use the online softstarter selection tool available by scanning the shown QR code or using the selection tool available at:

new.abb.com/low-voltage/products/softstarters



Rated operational voltage U_e , 208...600 V

Rated control supply voltage U_s , 100...250 V AC, 50/60 Hz

IEC				UL/CSA					Catalog number	Global reference code	Weight (1 pce)			
Rated operational power			current	Rated operational power				current					kg	(lb)
230 V	400 V	500 V		200 / 208 V	220 / 240 V	440 / 480 V	550 / 600 V							
P_e	P_e	P_e	I_e	P_e	P_e	P_e	P_e	FLA						
kW	kW	kW	A	hp	hp	hp	hp	A						
4	7.5	11	18	5	5	10	15	18	PSE18-600-70	1SFA897101R7000	2.40	(5.29)		
5.5	11	15	25	7.5	7.5	15	20	25	PSE25-600-70	1SFA897102R7000	2.40	(5.29)		
7.5	15	18.5	30	7.5	10	20	25	28	PSE30-600-70	1SFA897103R7000	2.40	(5.29)		
9	18.5	22	37	10	10	25	30	34	PSE37-600-70	1SFA897104R7000	2.40	(5.29)		
11	22	30	45	10	15	30	40	42	PSE45-600-70	1SFA897105R7000	2.40	(5.29)		
15	30	37	60	20	20	40	50	60	PSE60-600-70	1SFA897106R7000	2.40	(5.29)		
18.5	37	45	72	20	25	50	60	68	PSE72-600-70	1SFA897107R7000	2.50	(5.51)		
22	45	55	85	25	30	60	75	80	PSE85-600-70	1SFA897108R7000	2.50	(5.51)		
30	55	75	106	30	40	75	100	104	PSE105-600-70	1SFA897109R7000	2.50	(5.51)		
40	75	90	143	40	50	100	125	130	PSE142-600-70	1SFA897110R7000	4.20	(9.26)		
45	90	110	171	60	60	125	150	169	PSE170-600-70	1SFA897111R7000	4.20	(9.26)		
59	110	132	210	60	75	150	200	192	PSE210-600-70	1SFA897112R7000	12.40	(27.34)		
75	132	160	250	75	100	200	250	248	PSE250-600-70	1SFA897113R7000	13.90	(30.64)		
90	160	200	300	100	100	250	300	302	PSE300-600-70	1SFA897114R7000	13.90	(30.64)		
110	200	250	370	125	150	300	350	361	PSE370-600-70	1SFA897115R7000	13.90	(30.64)		

PSE – The efficient range

Heavy-duty starts, class 30, in-line, ordering details



PSE18 ... PSE105



PSE142 ... PSE170



PSE210 ... PSE370

Description

Selection table for heavy-duty start.

Typical applications:

- Centrifugal fan
- Conveyor belt (long)
- Crusher
- Mill
- Mixer
- Stirrer

If more than 10 starts/h, select one size larger than the standard selection.

For a more precise selection, use the online softstarter selection tool available by scanning the shown QR code or using the selection tool available at:

new.abb.com/low-voltage/products/softstarters



Rated operational voltage U_e , 208...600 V										Catalog number	Global reference code	Weight (1 pce)	
Rated control supply voltage U_s , 100...250 V AC, 50/60 Hz												kg	(lb)
IEC				UL/CSA					current	FLA			
Rated operational power			current	Rated operational power									
230 V	400 V	500 V		200 / 208 V	220 / 240 V	440 / 480 V	550 / 600 V						
P_e	P_e	P_e	I_e	P_e	P_e	P_e	P_e						
kW	kW	kW	A	hp	hp	hp	hp	A			kg	(lb)	
3	5.5	7.5	12	3	3	7.5	10	11	PSE18-600-70	1SFA897101R7000	2.40	(5.29)	
4	7.5	11	18	5	5	10	15	18	PSE25-600-70	1SFA897102R7000	2.40	(5.29)	
5.5	11	15	25	7.5	7.5	15	20	25	PSE30-600-70	1SFA897103R7000	2.40	(5.29)	
7.5	15	18.5	30	7.5	10	20	25	28	PSE37-600-70	1SFA897104R7000	2.40	(5.29)	
9	18.5	22	37	10	10	25	30	34	PSE45-600-70	1SFA897105R7000	2.40	(5.29)	
11	22	30	45	10	15	30	40	42	PSE60-600-70	1SFA897106R7000	2.40	(5.29)	
15	30	37	60	20	20	40	50	60	PSE72-600-70	1SFA897107R7000	2.50	(5.51)	
18.5	37	45	72	20	25	50	60	68	PSE85-600-70	1SFA897108R7000	2.50	(5.51)	
22	45	55	85	25	30	60	75	80	PSE105-600-70	1SFA897109R7000	2.50	(5.51)	
30	55	75	106	30	40	75	100	104	PSE142-600-70	1SFA897110R7000	4.20	(9.26)	
40	75	90	143	40	50	100	125	130	PSE170-600-70	1SFA897111R7000	4.20	(9.26)	
45	90	110	171	60	60	125	150	169	PSE210-600-70	1SFA897112R7000	12.40	(27.34)	
59	110	132	210	60	75	150	200	192	PSE250-600-70	1SFA897113R7000	13.90	(30.64)	
75	132	160	250	75	100	200	250	248	PSE300-600-70	1SFA897114R7000	13.90	(30.64)	
90	160	200	300	100	100	250	300	302	PSE370-600-70	1SFA897115R7000	13.90	(30.64)	