

# Dynamics Reinterpreted

The Comprehensive Range of SIRIUS Soft Starters






sirius

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**SIEMENS**

# The Range at a Glance

## Overview of SIRIUS soft starters

		Standard applications				
		SIRIUS 3RW3003	SIRIUS 3RW30			
						
Control electronics		<b>3RW3003-.CB54</b>	<b>3RW30...-BB0.</b>	<b>3RW30...-BB1.</b>		
Rated control supply voltage	V	AC/DC 24 ... 230 (±10%)	AC/DC 24 (±20%)	AC/DC 110 ... 230 (-15%/+10%)		
Rated control supply current	mA	approx. 25 ... 4	approx. 50	approx. 25 ... 20		
Rated frequency	Hz	50/60 (±10%)	50/60 (±10%)	50/60 (±10%)		
Power electronics		<b>3RW3003-.CB54</b>	<b>3RW30...-B.4</b>			
Rated operating voltage	V	AC 200 ... 400 (±10%)	AC 200 ... 480 (-15%/+10%)			
Rated frequency	Hz	50/60 (±10%)	50/60 (-10%/+10%)			
Rated operating current $I_e$ (AC-53a)			<b>3RW301.</b>	<b>3RW302.</b>	<b>3RW303.</b>	<b>3RW304.</b>
at 40 °C	A	3	3.6/6.5/9/12.5/17.6	25/32/38	45/63/72	80/106
at 50 °C	A	2.6	3/6/8/12/17	23/29/34	42/58/62	73/98
at 60 °C	A	2.2	3/5.5/7/11/14	21/26/31	39/53/60	66/90
Permissible ambient temperature	°C	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60
Size		22.5 mm	S00	S0	S2	S3

### Overview of accessories and spare parts for SIRIUS soft starters

	SIRIUS 3RW3003	SIRIUS 3RW30			
Accessories	3RW3003	3RW301.	3RW302.	3RW303.	3RW304.
Terminal block	-	-	-	-	-
	-	-	-	-	-
Terminal covers for box terminals	-	-	-	3RT1936-4EA2	3RT1946-4EA2
Connection cover for cable lug and busbar connection	-	-	-	-	3RT1946-4EA1
Sealing cover	3RP1902	-	-	3RW4900-0PB10	3RW4900-0PB10
Parameterization and service software Soft Starter ES 2007 Basic	-	-	-	-	-
Parameterization and service software Soft Starter ES 2007 Standard	-	-	-	-	-
Parameterization and service software Soft Starter ES 2007 Premium	-	-	-	-	-
PC cable for connection PC-3RW44	-	-	-	-	-
USB interface adapter	-	-	-	-	-
PROFIBUS DP communication module	-	-	-	-	-
External display and operator module	-	-	-	-	-
Connection cable (e.g. 2.5 m) 3RW44 ext. display module	-	-	-	-	-
Fans	-	-	-	-	-
Spare parts					
Fans	-	-	-	-	-
	-	-	-	-	-

Please observe the configuration notes and boundary conditions on page 14 and 15!

**SIRIUS 3RW40**



<b>3RW40...-B0.</b>		<b>3RW40...-B1.</b>		<b>3RW40...-BB3.</b>		<b>3RW40...-BB4.</b>	
AC/DC 24 (±20%)		AC/DC 110 ... 230 (-15%/+10%)		AC 115 (-15%/+10%)		AC 230 (-15%/+10%)	
approx. 50		approx. 25 ... 20		-		-	
50/60 (±10%)		50/60 (±10%)		50/60 (±10%)		50/60 (±10%)	
<b>3RW40...-B.4</b>		<b>3RW40...-B.5</b>		<b>3RW40...-BB.4</b>		<b>3RW40...-BB.5</b>	
AC 200 ... 480 (-15%/+10%)		AC 400 ... 600 (-15%/+10%)		AC 200 ... 460 (-15%/+10%)		AC 400 ... 600 (-15%/+10%)	
50/60 (±10%)		50/60 (±10%)		50/60 (±10%)		50/60 (±10%)	
<b>3RW402.</b>	<b>3RW403.</b>	<b>3RW404.</b>	<b>3RW405.</b>	<b>3RW407.</b>			
12.5/25/32/38	45/63/72	80/106	134/162	230/280/356/432			
11/23/29/34	42/58/62	73/98	117/145	205/248/315/385			
10/21/26/31	39/53/60	66/90	100/125	180/215/280/335			
-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60	-25 ... +60			
S0	S2	S3	S6	S12			

**SIRIUS 3RW40**

	<b>3RW402.</b>	<b>3RW403.</b>	<b>3RW404.</b>	<b>3RW405.</b>	<b>3RW407.</b>
	-	-	-	3RT1955-4G up to 70 mm <sup>2</sup>	3RT1966-4G up to 240 mm <sup>2</sup>
	-	-	-	3RT1956-4G up to 120 mm <sup>2</sup>	-
2	-	3RT1936-4EA2	3RT1946-4EA2	3RT1956-4EA2	3RT1966-4EA2
1	-	-	3RT1946-4EA1	3RT1956-4EA1	3RT1966-4EA1
10	3RW4900-0PB10	3RW4900-0PB10	3RW4900-0PB10	3RW4900-0PB00	3RW4900-0PB00
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	-	-	-	-	-
	3RW4928-8VB00	3RW4947-8VB00	3RW4947-8VB00	-	-
	3RW4928-8VB00	3RW4947-8VB00	3RW4947-8VB00	3RW4936-8VX30 AC 115 V	3RW4947-8VX30 AC 115 V
	-	-	-	3RW4936-8VX40 AC 230 V	3RW4947-8VX40 AC 230 V

High-feature applications

**SIRIUS 3RW44**



**3RW44...-BC3.**

AC 115 (-15%/+10%)

–

50 ... 60 (±10%)

**3RW44...-BC.4**

AC 200 ... 460 (-15%/+10%)

50/60 (±10%)

22 versions

29 ... 1214

26 ... 1076

23 ... 970

0 ... +60

–

**3RW44...-BC4.**

AC 230 (-15%/+10%)

–

50 ... 60 (±10%)

**3RW44...-BC.5**

AC 400 ... 600 (-15%/+10%)

50/60 (±10%)

22 versions

29 ... 1214

26 ... 1076

23 ... 970

0 ... +60

–

**3RW44...-BC.6**

AC 400 ... 690 (-15%/+10%)

50/60 (±10%)

22 versions

29 ... 1214

26 ... 1076

23 ... 970

0 ... +60

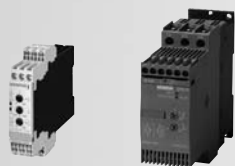
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**SIRIUS 3RW44**

3RW442.	3RW443.	3RW444.	3RW445. / 3RW446. <sup>1)</sup>
included in scope of supply	3RT1955-4G up to 70 mm <sup>2</sup>	3RT1966-4G up to 240 mm <sup>2</sup>	–
–	3RT1956-4G up to 120 mm <sup>2</sup>	–	–
3RT1956-4EA2	3RT1956-4EA2	3RT1966-4EA2	–
3RT1956-4EA1	3RT1956-4EA1	3RT1966-4EA1	–
–	–	–	–
3ZS1313-4CC10-0YA5	3ZS1313-4CC10-0YA5	3ZS1313-4CC10-0YA5	3ZS1313-4CC10-0YA5
3ZS1313-5CC10-0YA5	3ZS1313-5CC10-0YA5	3ZS1313-5CC10-0YA5	3ZS1313-5CC10-0YA5
3ZS1313-6CC10-0YA5	3ZS1313-6CC10-0YA5	3ZS1313-6CC10-0YA5	3ZS1313-6CC10-0YA5
3UF7940-0AA00-0	3UF7940-0AA00-0	3UF7940-0AA00-0	3UF7940-0AA00-0
2SX5 100-3PC07	2SX5 100-3PC07	2SX5 100-3PC07	2SX5 100-3PC07
3RW4900-0KC00	3RW4900-0KC00	3RW4900-0KC00	3RW4900-0KC00
3RW4900-0AC00	3RW4900-0AC00	3RW4900-0AC00	3RW4900-0AC00
3UF7933-0BA00-0	3UF7933-0BA00-0	3UF7933-0BA00-0	3UF7933-0BA00-0
–	–	–	–
3RW4936-8VX30 AC 115 V	3RW4936-8VX30 AC 115 V	3RW4947-8VX30 AC 115 V	3RW4957-8VX30 AC 115 V
3RW4936-8VX40 AC 230 V	3RW4936-8VX40 AC 230 V	3RW4947-8VX40 AC 230 V	3RW4957-8VX40 AC 230 V

1) Front-installed fan with 3RW446.  
3RW4966-8VX30 AC 115 V  
3RW4966-8VX40 AC 230 V

## SIRIUS 3RW30 for normal starting



Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$			Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.
		Ambient temperature 40 °C				Ambient temperature 50 °C				
V	A	230 V kW	400 V kW	500 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp	
<b>Soft starters for simple start-up conditions and high switching frequencies <sup>1)</sup></b>										
<b>200 ... 400</b>	3	0.55	1.1	–	2.6	0.5	0.5	–	–	<b>3RW30 03-□CB54</b>
<b>Order No. supplement for connection type</b>									with screw-type terminals	↑ <b>1</b>
									with spring-loaded terminals	<b>2</b>
V	A <sup>2)</sup>	230 V kW	400 V kW	500 V kW	A <sup>2)</sup>	200 V hp	230 V hp	460 V hp	575 V hp	
<b>Soft starters for three-phase asynchronous motors</b>										
<b>200 ... 480</b>	3.6	0.75	<b>1.5</b>	–	3	0.5	0.5	<b>1.5</b>	–	<b>3RW30 13-□BB□4</b>
	6.5	1.5	<b>3</b>	–	4.8	1	1	<b>3</b>	–	<b>3RW30 14-□BB□4</b>
	9	2.2	<b>4</b>	–	7.8	2	2	<b>5</b>	–	<b>3RW30 16-□BB□4</b>
	12.5	3	<b>5.5</b>	–	11	3	3	<b>7.5</b>	–	<b>3RW30 17-□BB□4</b>
	17.6	4	<b>7.5</b>	–	17	3	3	<b>10</b>	–	<b>3RW30 18-□BB□4</b>
	25	5.5	<b>11</b>	–	23	5	5	<b>15</b>	–	<b>3RW30 26-□BB□4</b>
	32	7.5	<b>15</b>	–	29	7.5	7.5	<b>20</b>	–	<b>3RW30 27-□BB□4</b>
	38	11	<b>18.5</b>	–	34	10	10	<b>25</b>	–	<b>3RW30 28-□BB□4</b>
	45	11	<b>22</b>	–	42	10	15	<b>30</b>	–	<b>3RW30 36-□BB□4</b>
	63	18.5	<b>30</b>	–	58	15	20	<b>40</b>	–	<b>3RW30 37-□BB□4</b>
	72	22	<b>37</b>	–	62	20	20	<b>40</b>	–	<b>3RW30 38-□BB□4</b>
	80	22	<b>45</b>	–	73	20	25	<b>50</b>	–	<b>3RW30 46-□BB□4</b>
	106	30	<b>55</b>	–	98	30	30	<b>75</b>	–	<b>3RW30 47-□BB□4</b>
	<b>Order No. supplement for connection type</b>									with screw-type terminals
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>									with spring-loaded terminals	<b>2</b>
									AC/DC 24 V	<b>0</b>
									AC/DC 110 ... 230 V	<b>1</b>

1) Rated control supply voltage  $U_s$  AC/DC 24 ... 230 V

2) Stand-alone assembly

Please observe the configuration notes and boundary conditions on page 14 and 15!

## SIRIUS 3RW40 for normal starting (CLASS 10)



Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$			Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.
Ambient temperature 40 °C					Ambient temperature 50 °C					
V	A <sup>1)</sup>	230 V kW	400 V kW	500 V kW	A <sup>1)</sup>	200 V hp	230 V hp	460 V hp	575 V hp	
200 ... 480	12.5	3	5.5	–	11	3	3	7.5	–	3RW40 24-□□B□4
	25	5.5	11	–	23	5	5	15	–	3RW40 26-□□B□4
	32	7.5	15	–	29	7.5	7.5	20	–	3RW40 27-□□B□4
	38	11	18.5	–	34	10	10	25	–	3RW40 28-□□B□4
	45	11	22	–	42	10	15	30	–	3RW40 36-□□B□4
	63	18.5	30	–	58	15	20	40	–	3RW40 37-□□B□4
	72	22	37	–	62	20	20	40	–	3RW40 38-□□B□4
	80	22	45	–	73	20	25	50	–	3RW40 46-□□B□4
	106	30	55	–	98	25	30	75	–	3RW40 47-□□B□4
400 ... 600	12.5	–	5.5	7.5	11	–	–	7.5	10	3RW40 24-□□B□5
	25	–	11	15	23	–	–	15	20	3RW40 26-□□B□5
	32	–	15	18.5	29	–	–	20	25	3RW40 27-□□B□5
	38	–	18.5	22	34	–	–	25	30	3RW40 28-□□B□5
	45	–	22	30	42	–	–	30	40	3RW40 36-□□B□5
	63	–	30	37	58	–	–	40	50	3RW40 37-□□B□5
	72	–	37	45	62	–	–	40	60	3RW40 38-□□B□5
	80	–	45	55	73	–	–	50	60	3RW40 46-□□B□5
	106	–	55	75	98	–	–	75	75	3RW40 47-□□B□5
<b>Order No. supplement for connection type</b>						Screw-type terminals				
<b>Order No. supplement for thermistor motor protection</b>						Spring-loaded terminals				
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>						Standard function				
						Integrated thermistor motor protection <sup>2)</sup>				
						AC/DC 24 V				0
						AC/DC 110 ... 230 V				1



V	A	230 V kW	400 V kW	500 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp	
200 ... 460	134	37	75	–	117	30	40	75	–	3RW40 55-□BB□4
	162	45	90	–	145	40	50	100	–	3RW40 56-□BB□4
	230	75	132	–	205	60	75	150	–	3RW40 73-□BB□4
	280	90	160	–	248	75	100	200	–	3RW40 74-□BB□4
	356	110	200	–	315	100	125	250	–	3RW40 75-□BB□4
	432	132	250	–	385	125	150	300	–	3RW40 76-□BB□4
400 ... 600	134	–	75	90	117	–	–	75	100	3RW40 55-□BB□5
	162	–	90	110	145	–	–	100	150	3RW40 56-□BB□5
	230	–	132	160	205	–	–	150	200	3RW40 73-□BB□5
	280	–	160	200	248	–	–	200	250	3RW40 74-□BB□5
	356	–	200	250	315	–	–	250	300	3RW40 75-□BB□5
	432	–	250	315	385	–	–	300	400	3RW40 76-□BB□5
<b>Order No. supplement for connection type</b>						Spring-loaded terminals				
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>						Screw-type terminals				
						AC 115 V				3
						AC 230 V				4

1) Stand-alone assembly, without additional fan

2) Only possible in connection with control supply voltage AC/DC 24 V

Please observe the configuration notes and boundary conditions on page 14 and 15!

# SIRIUS 3RW40 for heavy-duty starting (CLASS 20)



Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$			Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.
Ambient temperature 40 °C					Ambient temperature 50 °C					
V	A <sup>1)</sup>	230 V kW	400 V kW	500 V kW	A <sup>1)</sup>	200 V hp	230 V hp	460 V hp	575 V hp	
200 ... 480	12.5	3	5.5	–	11	3	3	7.5	–	3RW40 26-□□B□4
	25	5.5	11	–	23	5	5	15	–	3RW40 27-□□B□4
	32	7.5	15	–	29	7.5	7.5	20	–	3RW40 36-□□B□4
	38	11	18.5	–	34	10	10	25	–	3RW40 37-□□B□4
	45	11	22	–	42	10	15	30	–	3RW40 37-□□B□4
	63	18.5	30	–	58	15	20	40	–	3RW40 47-□□B□4
400 ... 600	72	22	37	–	62	20	20	40	–	3RW40 47-□□B□4
	12.5	–	5.5	7.5	11	–	–	7.5	10	3RW40 26-□□B□5
	25	–	11	15	23	–	–	15	20	3RW40 27-□□B□5
	32	–	15	18.5	29	–	–	20	25	3RW40 36-□□B□5
	38	–	18.5	22	34	–	–	25	30	3RW40 37-□□B□5
	45	–	22	30	42	–	–	30	40	3RW40 37-□□B□5
63	–	30	37	58	–	–	40	50	3RW40 47-□□B□5	
72	–	37	45	62	–	–	40	60	3RW40 47-□□B□5	

**Order No. supplement for connection type**      Screw-type terminals  
 Spring-loaded terminals  
**Order No. supplement for thermistor motor protection**      Standard function  
 Integrated thermistor motor protection <sup>2)</sup>  
**Order No. supplement for rated control supply voltage  $U_s$**       AC/DC 24 V  
 AC/DC 110 ... 230 V

↑ 1

↑ 2

B

T

↑

0

1



V	A	230 V kW	400 V kW	500 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp	
200 ... 460	80	22	45	–	73	20	25	50	–	3RW40 55-□BB□4
	106	30	55	–	98	25	30	60	–	3RW40 55-□BB□4
	134	37	75	–	117	30	40	75	–	3RW40 56-□BB□4
	162	45	90	–	145	40	50	100	–	3RW40 73-□BB□4
	230	75	132	–	205	60	75	150	–	3RW40 74-□BB□4
	280	90	160	–	248	75	100	200	–	3RW40 75-□BB□4
400 ... 600	356	110	200	–	315	100	125	250	–	3RW40 76-□BB□4
	80	–	45	55	73	–	–	50	60	3RW40 55-□BB□5
	106	–	55	75	98	–	–	60	75	3RW40 55-□BB□5
	134	–	75	90	117	–	–	75	100	3RW40 56-□BB□5
	162	–	90	110	145	–	–	100	150	3RW40 73-□BB□5
	230	–	132	160	205	–	–	150	200	3RW40 74-□BB□5
280	–	160	200	248	–	–	200	250	3RW40 75-□BB□5	
356	–	200	250	315	–	–	250	300	3RW40 76-□BB□5	

**Order No. supplement for connection type**      Spring-loaded terminals  
 Screw-type terminals  
**Order No. supplement for rated control supply voltage  $U_s$**       AC 115 V  
 AC 230 V

↑

2

↑

6

3

4

1) Stand-alone assembly, without additional fan    2) Only possible in connection with control supply voltage AC/DC 24 V    Please observe the configuration notes and boundary conditions on page 14 and 15!



## SIRIUS 3RW44 for normal starting (CLASS 10) in standard circuit

Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.	
Ambient temperature 40 °C						Ambient temperature 50 °C						
V	A	230 V kW	400 V kW	500 V kW	690 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp		
200 ... 460	29	5.5	15	-	-	26	7.5	7.5	15	-	3RW44 22-□BC□4	
	36	7.5	18.5	-	-	32	10	10	20	-	3RW44 23-□BC□4	
	47	11	22	-	-	42	10	15	25	-	3RW44 24-□BC□4	
	57	15	30	-	-	51	15	15	30	-	3RW44 25-□BC□4	
	77	18.5	37	-	-	68	20	20	50	-	3RW44 26-□BC□4	
	93	22	45	-	-	82	25	25	60	-	3RW44 27-□BC□4	
400 ... 600	29	-	15	18.5	-	26	-	-	15	20	3RW44 22-□BC□5	
	36	-	18.5	22	-	32	-	-	20	25	3RW44 23-□BC□5	
	47	-	22	30	-	42	-	-	25	30	3RW44 24-□BC□5	
	57	-	30	37	-	51	-	-	30	40	3RW44 25-□BC□5	
	77	-	37	45	-	68	-	-	50	50	3RW44 26-□BC□5	
	93	-	45	55	-	82	-	-	60	75	3RW44 27-□BC□5	
400 ... 690	29	-	15	18.5	30	26	-	-	15	20	3RW44 22-□BC□6	
	36	-	18.5	22	37	32	-	-	20	25	3RW44 23-□BC□6	
	47	-	22	30	45	42	-	-	25	30	3RW44 24-□BC□6	
	57	-	30	37	55	51	-	-	30	40	3RW44 25-□BC□6	
	77	-	37	45	75	68	-	-	50	50	3RW44 26-□BC□6	
	93	-	45	55	90	82	-	-	60	75	3RW44 27-□BC□6	
<b>Order No. supplement for connection type</b>											Screw-type terminals Spring-loaded terminals	
											↑ 1 ↑ 3	
200 ... 460	113	30	55	-	-	100	30	30	75	-	3RW44 34-□BC□4	
	134	37	75	-	-	117	30	40	75	-	3RW44 35-□BC□4	
	162	45	90	-	-	145	40	50	100	-	3RW44 36-□BC□4	
	203	55	110	-	-	180	50	60	125	-	3RW44 43-□BC□4	
	250	75	132	-	-	215	60	75	150	-	3RW44 44-□BC□4	
	313	90	160	-	-	280	75	100	200	-	3RW44 45-□BC□4	
	356	110	200	-	-	315	100	125	250	-	3RW44 46-□BC□4	
	432	132	250	-	-	385	125	150	300	-	3RW44 47-□BC□4	
	551	160	315	-	-	494	150	200	400	-	3RW44 53-□BC□4	
	615	200	355	-	-	551	150	200	450	-	3RW44 54-□BC□4	
	693	200	400	-	-	615	200	250	500	-	3RW44 55-□BC□4	
	780	250	450	-	-	693	200	250	600	-	3RW44 56-□BC□4	
	880	250	500	-	-	780	250	300	700	-	3RW44 57-□BC□4	
	970	315	560	-	-	850	300	350	750	-	3RW44 58-□BC□4	
	1076	355	630	-	-	970	350	400	850	-	3RW44 65-□BC□4	
	1214	400	710	-	-	1076	350	450	950	-	3RW44 66-□BC□4	
	400 ... 600	113	-	55	75	-	100	-	-	75	75	3RW44 34-□BC□5
		134	-	75	90	-	117	-	-	75	100	3RW44 35-□BC□5
162		-	90	110	-	145	-	-	100	125	3RW44 36-□BC□5	
203		-	110	132	-	180	-	-	125	150	3RW44 43-□BC□5	
250		-	132	160	-	215	-	-	150	200	3RW44 44-□BC□5	
313		-	160	200	-	280	-	-	200	250	3RW44 45-□BC□5	
356		-	200	250	-	315	-	-	250	300	3RW44 46-□BC□5	
432		-	250	315	-	385	-	-	300	400	3RW44 47-□BC□5	
551		-	315	355	-	494	-	-	400	500	3RW44 53-□BC□5	
615		-	355	400	-	551	-	-	450	600	3RW44 54-□BC□5	
693		-	400	500	-	615	-	-	500	700	3RW44 55-□BC□5	
780		-	450	560	-	693	-	-	600	750	3RW44 56-□BC□5	
880		-	500	630	-	780	-	-	700	850	3RW44 57-□BC□5	
970		-	560	710	-	850	-	-	750	900	3RW44 58-□BC□5	
1076		-	630	800	-	970	-	-	850	1100	3RW44 65-□BC□5	
1214		-	710	900	-	1076	-	-	950	1200	3RW44 66-□BC□5	
400 ... 690		113	-	55	75	110	100	-	-	75	75	3RW44 34-□BC□6
		134	-	75	90	132	117	-	-	75	100	3RW44 35-□BC□6
	162	-	90	110	160	145	-	-	100	125	3RW44 36-□BC□6	
	203	-	110	132	200	180	-	-	125	150	3RW44 43-□BC□6	
	250	-	132	160	250	215	-	-	150	200	3RW44 44-□BC□6	
	313	-	160	200	315	280	-	-	200	250	3RW44 45-□BC□6	
	356	-	200	250	355	315	-	-	250	300	3RW44 46-□BC□6	
	432	-	250	315	400	385	-	-	300	400	3RW44 47-□BC□6	
	551	-	315	355	560	494	-	-	400	500	3RW44 53-□BC□6	
	615	-	355	400	630	551	-	-	450	600	3RW44 54-□BC□6	
	693	-	400	500	710	615	-	-	500	700	3RW44 55-□BC□6	
	780	-	450	560	800	693	-	-	600	750	3RW44 56-□BC□6	
	880	-	500	630	900	780	-	-	700	850	3RW44 57-□BC□6	
	970	-	560	710	1000	850	-	-	750	900	3RW44 58-□BC□6	
	1076	-	630	800	1100	970	-	-	850	1100	3RW44 65-□BC□6	
	1214	-	710	900	1200	1076	-	-	950	1200	3RW44 66-□BC□6	
	<b>Order No. supplement for connection type</b>											Spring-loaded terminals Screw-type terminals
	<b>Order No. supplement for rated control supply voltage <math>U_5</math></b>											↑ 2 ↑ 3 ↑ 4

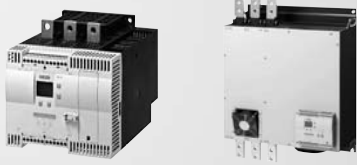




## SIRIUS 3RW44 for heavy-duty starting (CLASS 20) in standard circuit

Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.	
Ambient temperature 40 °C						Ambient temperature 50 °C						
V	A	230 V kW	400 V kW	500 V kW	690 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp		
200 ... 460	29	5.5	15	–	–	26	7.5	7.5	15	–	3RW44 22-□BC□4	
	36	7.5	18.5	–	–	32	10	10	20	–	3RW44 23-□BC□4	
	47	11	22	–	–	42	10	15	25	–	3RW44 24-□BC□4	
	57	15	30	–	–	51	15	15	30	–	3RW44 25-□BC□4	
	77	18.5	37	–	–	68	20	20	50	–	3RW44 27-□BC□4	
400 ... 600	29	–	15	18.5	–	26	–	–	15	20	3RW44 22-□BC□5	
	36	–	18.5	22	–	32	–	–	20	25	3RW44 23-□BC□5	
	47	–	22	30	–	42	–	–	25	30	3RW44 24-□BC□5	
	57	–	30	37	–	51	–	–	30	40	3RW44 25-□BC□5	
	77	–	37	45	–	68	–	–	50	50	3RW44 27-□BC□5	
400 ... 690	29	–	15	18.5	30	26	–	–	15	20	3RW44 22-□BC□6	
	36	–	18.5	22	37	32	–	–	20	25	3RW44 23-□BC□6	
	47	–	22	30	45	42	–	–	25	30	3RW44 24-□BC□6	
	57	–	30	37	55	51	–	–	30	40	3RW44 25-□BC□6	
	77	–	37	45	75	68	–	–	50	50	3RW44 27-□BC□6	
<b>Order No. supplement for connection type</b>										Screw-type terminals Spring-loaded terminals	↑ 1 3	
200 ... 460	93	22	45	–	–	82	25	25	60	–	3RW44 34-□BC□4	
	113	30	55	–	–	100	30	30	75	–	3RW44 35-□BC□4	
	134	37	75	–	–	117	30	40	75	–	3RW44 36-□BC□4	
	162	45	90	–	–	145	40	50	100	–	3RW44 43-□BC□4	
	203	55	110	–	–	180	50	60	125	–	3RW44 45-□BC□4	
	250	75	132	–	–	215	60	75	150	–	3RW44 46-□BC□4	
	313	90	160	–	–	280	75	100	200	–	3RW44 47-□BC□4	
	356	110	200	–	–	315	100	125	250	–	3RW44 47-□BC□4	
	432	132	250	–	–	385	125	150	300	–	3RW44 53-□BC□4	
	551	160	315	–	–	494	150	200	400	–	3RW44 53-□BC□4	
	615	200	355	–	–	551	150	200	450	–	3RW44 55-□BC□4	
	693	200	400	–	–	615	200	250	500	–	3RW44 57-□BC□4	
	780	250	450	–	–	693	200	250	600	–	3RW44 65-□BC□4	
880	250	500	–	–	780	250	300	700	–	3RW44 65-□BC□4		
970	315	560	–	–	850	300	350	750	–	3RW44 65-□BC□4		
400 ... 600	93	–	45	55	–	82	–	–	60	75	3RW44 34-□BC□5	
	113	–	55	75	–	100	–	–	75	75	3RW44 35-□BC□5	
	134	–	75	90	–	117	–	–	75	100	3RW44 36-□BC□5	
	162	–	90	110	–	145	–	–	100	125	3RW44 43-□BC□5	
	203	–	110	132	–	180	–	–	125	150	3RW44 45-□BC□5	
	250	–	132	160	–	215	–	–	150	200	3RW44 46-□BC□5	
	313	–	160	200	–	280	–	–	200	250	3RW44 47-□BC□5	
	356	–	200	250	–	315	–	–	250	300	3RW44 47-□BC□5	
	432	–	250	315	–	385	–	–	300	400	3RW44 53-□BC□5	
	551	–	315	355	–	494	–	–	400	500	3RW44 53-□BC□5	
	615	–	355	400	–	551	–	–	450	600	3RW44 54-□BC□5	
	693	–	400	500	–	615	–	–	500	700	3RW44 57-□BC□5	
	780	–	450	560	–	693	–	–	600	750	3RW44 65-□BC□5	
880	–	500	630	–	780	–	–	700	850	3RW44 65-□BC□5		
970	–	560	710	–	850	–	–	750	900	3RW44 65-□BC□5		
400 ... 690	93	–	45	55	90	82	–	–	60	75	3RW44 34-□BC□6	
	113	–	55	75	110	100	–	–	75	75	3RW44 35-□BC□6	
	134	–	75	90	132	117	–	–	75	100	3RW44 36-□BC□6	
	162	–	90	110	160	145	–	–	100	125	3RW44 43-□BC□6	
	203	–	110	132	200	180	–	–	125	150	3RW44 45-□BC□6	
	250	–	132	160	250	215	–	–	150	200	3RW44 46-□BC□6	
	313	–	160	200	315	280	–	–	200	250	3RW44 47-□BC□6	
	356	–	200	250	355	315	–	–	250	300	3RW44 47-□BC□6	
	432	–	250	315	400	385	–	–	300	400	3RW44 53-□BC□6	
	551	–	315	355	560	494	–	–	400	500	3RW44 53-□BC□6	
	615	–	355	400	630	551	–	–	450	600	3RW44 55-□BC□6	
	693	–	400	500	710	615	–	–	500	700	3RW44 57-□BC□6	
	780	–	450	560	800	693	–	–	600	750	3RW44 65-□BC□6	
880	–	500	630	900	780	–	–	700	850	3RW44 65-□BC□6		
970	–	560	710	1000	850	–	–	750	900	3RW44 65-□BC□6		
<b>Order No. supplement for connection type</b>										Spring-loaded terminals Screw-type terminals	↑ 2 6	
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>										AC 115 V AC 230 V	3 4	

Please observe the configuration notes and boundary conditions on page 14 and 15!



## SIRIUS 3RW44 for ultra-heavy-duty starting (CLASS 30) in standard circuit

Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.	
Ambient temperature 40 °C						Ambient temperature 50 °C						
V	A	230 V kW	400 V kW	500 V kW	690 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp		
200 ... 460	29	5.5	15	–	–	26	7.5	7.5	15	–	3RW44 22-□BC□4	
	36	7.5	18.5	–	–	32	10	10	20	–	3RW44 24-□BC□4	
	47	11	22	–	–	42	10	15	25	–	3RW44 25-□BC□4	
	57	15	30	–	–	51	15	15	30	–	3RW44 25-□BC□4	
400 ... 600	29	–	15	18.5	–	26	–	–	15	20	3RW44 22-□BC□5	
	36	–	18.5	22	–	32	–	–	20	25	3RW44 24-□BC□5	
	47	–	22	30	–	42	–	–	25	30	3RW44 25-□BC□5	
	57	–	30	37	–	51	–	–	30	40	3RW44 25-□BC□5	
400 ... 690	29	–	15	18.5	30	26	–	–	15	20	3RW44 22-□BC□6	
	36	–	18.5	22	37	32	–	–	20	25	3RW44 24-□BC□6	
	47	–	22	30	45	42	–	–	25	30	3RW44 25-□BC□6	
	57	–	30	37	55	51	–	–	30	40	3RW44 25-□BC□6	
<b>Order No. supplement for connection type</b>										Screw-type terminals Spring-loaded terminals	↑ 1 3 ↑	
200 ... 460	77	18.5	37	–	–	68	20	20	50	–	3RW44 34-□BC□4	
	93	22	45	–	–	82	25	25	60	–	3RW44 35-□BC□4	
	113	30	55	–	–	100	30	30	75	–	3RW44 43-□BC□4	
	134	37	75	–	–	117	30	40	75	–	3RW44 43-□BC□4	
	162	45	90	–	–	145	40	50	100	–	3RW44 43-□BC□4	
	203	55	110	–	–	180	50	60	125	–	3RW44 46-□BC□4	
	250	75	132	–	–	215	60	75	150	–	3RW44 47-□BC□4	
	313	90	160	–	–	280	75	100	200	–	3RW44 53-□BC□4	
	356	110	200	–	–	315	100	125	250	–	3RW44 53-□BC□4	
	432	132	250	–	–	385	125	150	300	–	3RW44 53-□BC□4	
	551	160	315	–	–	494	150	200	400	–	3RW44 55-□BC□4	
	615	200	355	–	–	551	150	200	450	–	3RW44 58-□BC□4	
	693	200	400	–	–	615	200	250	500	–	3RW44 65-□BC□4	
	780	250	450	–	–	693	200	250	600	–	3RW44 65-□BC□4	
	880	250	500	–	–	780	250	300	700	–	3RW44 65-□BC□4	
	970	315	560	–	–	850	300	350	750	–	3RW44 66-□BC□4	
400 ... 600	77	–	37	45	–	68	–	–	50	50	3RW44 34-□BC□5	
	93	–	45	55	–	82	–	–	60	75	3RW44 35-□BC□5	
	113	–	55	75	–	100	–	–	75	75	3RW44 43-□BC□5	
	134	–	75	90	–	117	–	–	75	100	3RW44 43-□BC□5	
	162	–	90	110	–	145	–	–	100	125	3RW44 43-□BC□5	
	203	–	110	132	–	180	–	–	125	150	3RW44 46-□BC□5	
	250	–	132	160	–	215	–	–	150	200	3RW44 47-□BC□5	
	313	–	160	200	–	280	–	–	200	250	3RW44 53-□BC□5	
	356	–	200	250	–	315	–	–	250	300	3RW44 53-□BC□5	
	432	–	250	315	–	385	–	–	300	400	3RW44 53-□BC□5	
	551	–	315	355	–	494	–	–	400	500	3RW44 55-□BC□5	
	615	–	355	400	–	551	–	–	450	600	3RW44 58-□BC□5	
	693	–	400	500	–	615	–	–	500	700	3RW44 65-□BC□5	
	780	–	450	560	–	693	–	–	600	750	3RW44 65-□BC□5	
	880	–	500	630	–	780	–	–	700	850	3RW44 65-□BC□5	
	–	–	–	–	–	850	–	–	750	900	3RW44 66-□BC□5	
400 ... 690	77	–	37	45	75	68	–	–	50	50	3RW44 34-□BC□6	
	93	–	45	55	90	82	–	–	60	75	3RW44 35-□BC□6	
	113	–	55	75	110	100	–	–	75	75	3RW44 43-□BC□6	
	134	–	75	90	132	117	–	–	75	100	3RW44 43-□BC□6	
	162	–	90	110	160	145	–	–	100	125	3RW44 43-□BC□6	
	203	–	110	132	200	180	–	–	125	150	3RW44 46-□BC□6	
	250	–	132	160	250	215	–	–	150	200	3RW44 47-□BC□6	
	313	–	160	200	315	280	–	–	200	250	3RW44 53-□BC□6	
	356	–	200	250	355	315	–	–	250	300	3RW44 53-□BC□6	
	432	–	250	315	400	385	–	–	300	400	3RW44 53-□BC□6	
	551	–	315	355	560	494	–	–	400	500	3RW44 55-□BC□6	
	615	–	355	400	630	551	–	–	450	600	3RW44 58-□BC□6	
	693	–	400	500	710	615	–	–	500	700	3RW44 65-□BC□6	
	780	–	450	560	800	693	–	–	600	750	3RW44 65-□BC□6	
	880	–	500	630	900	780	–	–	700	850	3RW44 65-□BC□6	
	–	–	–	–	–	850	–	–	750	900	3RW44 66-□BC□6	
<b>Order No. supplement for connection type</b>										Spring-loaded terminals Screw-type terminals	↑ 2 6 ↑	
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>										AC 115 V AC 230 V	3 4	

Please observe the configuration notes and boundary conditions on page 14 and 15!

# SIRIUS 3RW44 for normal starting (CLASS 10) in inside-delta circuit



Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.
Ambient temperature 40 °C						Ambient temperature 50 °C					
V	A	230 V kW	400 V kW	500 V kW	690 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp	
200 ... 460	50	15	22	–	–	45	10	15	30	–	3RW44 22-□BC□4
	62	18.5	30	–	–	55	15	20	40	–	3RW44 23-□BC□4
	81	22	45	–	–	73	20	25	50	–	3RW44 24-□BC□4
	99	30	55	–	–	88	25	30	60	–	3RW44 25-□BC□4
	133	37	75	–	–	118	30	40	75	–	3RW44 26-□BC□4
	161	45	90	–	–	142	40	50	100	–	3RW44 27-□BC□4
400 ... 600	50	–	22	30	–	45	–	–	30	40	3RW44 22-□BC□5
	62	–	30	37	–	55	–	–	40	50	3RW44 23-□BC□5
	81	–	45	45	–	73	–	–	50	60	3RW44 24-□BC□5
	99	–	55	55	–	88	–	–	60	75	3RW44 25-□BC□5
	133	–	75	90	–	118	–	–	75	100	3RW44 26-□BC□5
	161	–	90	110	–	142	–	–	100	125	3RW44 27-□BC□5
<b>Order No. supplement for connection type</b>									Screw-type terminals Spring-loaded terminals		↑ 1 3 ↑
200 ... 460	196	55	110	–	–	173	50	60	125	–	3RW44 34-□BC□4
	232	75	132	–	–	203	60	75	150	–	3RW44 35-□BC□4
	281	90	160	–	–	251	75	100	200	–	3RW44 36-□BC□4
	352	110	200	–	–	312	100	125	250	–	3RW44 43-□BC□4
	433	132	250	–	–	372	125	150	300	–	3RW44 44-□BC□4
	542	160	315	–	–	485	150	200	400	–	3RW44 45-□BC□4
	617	200	355	–	–	546	150	200	450	–	3RW44 46-□BC□4
	748	250	400	–	–	667	200	250	600	–	3RW44 47-□BC□4
	954	315	560	–	–	856	300	350	750	–	3RW44 53-□BC□4
	1065	355	630	–	–	954	350	400	850	–	3RW44 54-□BC□4
	1200	400	710	–	–	1065	350	450	950	–	3RW44 55-□BC□4
	1351	450	800	–	–	1200	450	500	1050	–	3RW44 56-□BC□4
	1524	500	900	–	–	1351	450	600	1200	–	3RW44 57-□BC□4
	1680	560	1000	–	–	1472	550	650	1300	–	3RW44 58-□BC□4
1864	630	1100	–	–	1680	650	750	1500	–	3RW44 65-□BC□4	
2103	710	1200	–	–	1864	700	850	1700	–	3RW44 66-□BC□4	
400 ... 600	196	–	110	132	–	173	–	–	125	150	3RW44 34-□BC□5
	232	–	132	160	–	203	–	–	150	200	3RW44 35-□BC□5
	281	–	160	200	–	251	–	–	200	250	3RW44 36-□BC□5
	352	–	200	250	–	312	–	–	250	300	3RW44 43-□BC□5
	433	–	250	315	–	372	–	–	300	350	3RW44 44-□BC□5
	542	–	315	355	–	485	–	–	400	500	3RW44 45-□BC□5
	617	–	355	450	–	546	–	–	450	600	3RW44 46-□BC□5
	748	–	400	500	–	667	–	–	600	750	3RW44 47-□BC□5
	954	–	560	630	–	856	–	–	750	950	3RW44 53-□BC□5
	1065	–	630	710	–	954	–	–	850	1050	3RW44 54-□BC□5
	1200	–	710	800	–	1065	–	–	950	1200	3RW44 55-□BC□5
	1351	–	800	900	–	1200	–	–	1050	1350	3RW44 56-□BC□5
	1524	–	900	1000	–	1351	–	–	1200	1500	3RW44 57-□BC□5
	1680	–	1000	1200	–	1472	–	–	1300	1650	3RW44 58-□BC□5
1864	–	1100	1350	–	1680	–	–	1500	1900	3RW44 65-□BC□5	
2103	–	1200	1500	–	1864	–	–	1700	2100	3RW44 66-□BC□5	
<b>Order No. supplement for connection type</b>									Spring-loaded terminals Screw-type terminals		↑ 2 6 ↑
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>									AC 115 V AC 230 V		3 4

Please observe the configuration notes and boundary conditions on page 14 and 15!

# SIRIUS 3RW44 for heavy-duty starting (CLASS 30) in inside-delta circuit



Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.	
Ambient temperature 40 °C						Ambient temperature 50 °C						
V	A	230 V kW	400 V kW	500 V kW	690 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp		
200 ... 460	50	15	22	–	–	45	10	15	30	–	3RW44 23-□BC□4	
	62	18.5	30	–	–	55	15	20	40	–	3RW44 24-□BC□4	
	81	22	45	–	–	73	20	25	50	–	3RW44 25-□BC□4	
	99	30	55	–	–	88	25	30	60	–	3RW44 25-□BC□4	
	133	37	75	–	–	118	30	40	75	–	3RW44 27-□BC□4	
400 ... 600	50	–	22	30	–	45	–	–	30	40	3RW44 23-□BC□5	
	62	–	30	37	–	55	–	–	40	50	3RW44 24-□BC□5	
	81	–	45	45	–	73	–	–	50	60	3RW44 25-□BC□5	
	99	–	55	55	–	88	–	–	60	75	3RW44 25-□BC□5	
	133	–	75	90	–	118	–	–	75	100	3RW44 27-□BC□5	
<b>Order No. supplement for connection type</b>										Screw-type terminals Spring-loaded terminals	↑ 1 3 ↑	
200 ... 460	161	45	90	–	–	142	40	50	100	–	3RW44 34-□BC□4	
	196	55	110	–	–	173	50	60	125	–	3RW44 35-□BC□4	
	232	75	132	–	–	203	60	75	150	–	3RW44 36-□BC□4	
	281	90	160	–	–	251	75	100	200	–	3RW44 43-□BC□4	
	352	110	200	–	–	312	100	125	250	–	3RW44 44-□BC□4	
	433	132	250	–	–	372	125	150	300	–	3RW44 45-□BC□4	
	542	160	315	–	–	485	150	200	400	–	3RW44 47-□BC□4	
	617	200	355	–	–	546	150	200	450	–	3RW44 47-□BC□4	
	748	250	400	–	–	667	200	250	600	–	3RW44 53-□BC□4	
	954	315	560	–	–	856	300	350	750	–	3RW44 53-□BC□4	
	1065	355	630	–	–	954	350	400	850	–	3RW44 55-□BC□4	
	1200	400	710	–	–	1065	350	450	950	–	3RW44 57-□BC□4	
	1351	450	800	–	–	1200	450	500	1050	–	3RW44 65-□BC□4	
	1524	500	900	–	–	1351	450	600	1200	–	3RW44 65-□BC□4	
	1680	560	1000	–	–	1472	550	650	1300	–	3RW44 65-□BC□4	
–	–	–	–	–	1680	650	750	1500	–	3RW44 66-□BC□4		
400 ... 600	161	–	90	110	–	142	–	–	100	125	3RW44 34-□BC□5	
	196	–	110	132	–	173	–	–	125	150	3RW44 35-□BC□5	
	232	–	132	160	–	203	–	–	150	200	3RW44 36-□BC□5	
	281	–	160	200	–	251	–	–	200	250	3RW44 43-□BC□5	
	352	–	200	250	–	312	–	–	250	300	3RW44 44-□BC□5	
	433	–	250	315	–	372	–	–	300	350	3RW44 45-□BC□5	
	542	–	315	355	–	485	–	–	400	500	3RW44 47-□BC□5	
	617	–	355	450	–	546	–	–	450	600	3RW44 47-□BC□5	
	748	–	400	500	–	667	–	–	600	750	3RW44 53-□BC□5	
	954	–	560	630	–	856	–	–	750	950	3RW44 53-□BC□5	
	1065	–	630	710	–	954	–	–	850	1050	3RW44 55-□BC□5	
	1200	–	710	800	–	1065	–	–	950	1200	3RW44 57-□BC□5	
	1351	–	800	900	–	1200	–	–	1050	1350	3RW44 65-□BC□5	
	1524	–	900	1000	–	1351	–	–	1200	1500	3RW44 65-□BC□5	
	1680	–	1000	1200	–	1472	–	–	1300	1650	3RW44 65-□BC□5	
–	–	–	–	–	1680	–	–	1500	1900	3RW44 66-□BC□5		
<b>Order No. supplement for connection type</b>										Spring-loaded terminals Screw-type terminals	↑ 2 6 ↑	
<b>Order No. supplement for rated control supply voltage <math>U_s</math></b>										AC 115 V AC 230 V	3 4	

Please observe the configuration notes and boundary conditions on page 14 and 15!

# SIRIUS 3RW44 for ultra-heavy-duty starting (CLASS 30) in inside-delta circuit



Rated operating voltage $U_e$	Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Rated operating current $I_e$	Rated power of three-phase motors with rated operating voltage $U_e$				Order No.	
Ambient temperature 40 °C						Ambient temperature 50 °C						
V	A	230 V kW	400 V kW	500 V kW	690 V kW	A	200 V hp	230 V hp	460 V hp	575 V hp		
200 ... 460	50	15	22	–	–	45	10	15	30	–	3RW44 23-□BC□4	
	62	18.5	30	–	–	55	15	20	40	–	3RW44 24-□BC□4	
	81	22	45	–	–	73	20	25	50	–	3RW44 25-□BC□4	
	99	30	55	–	–	88	25	30	60	–	3RW44 25-□BC□4	
	133	37	75	–	–	118	30	40	75	–	3RW44 27-□BC□4	
400 ... 600	50	–	22	30	–	45	–	–	30	40	3RW44 23-□BC□5	
	62	–	30	37	–	55	–	–	40	50	3RW44 24-□BC□5	
	81	–	45	45	–	73	–	–	50	60	3RW44 25-□BC□5	
	99	–	55	55	–	88	–	–	60	75	3RW44 25-□BC□5	
	133	–	75	90	–	118	–	–	75	100	3RW44 27-□BC□5	

Order No. supplement for connection type

Screw-type terminals 1  
Spring-loaded terminals 3

200 ... 460	161	45	90	–	–	142	40	50	100	–	3RW44 35-□BC□4	
	196	55	110	–	–	173	50	60	125	–	3RW44 36-□BC□4	
	232	75	132	–	–	203	60	75	150	–	3RW44 43-□BC□4	
	281	90	160	–	–	251	75	100	200	–	3RW44 43-□BC□4	
	352	110	200	–	–	312	100	125	250	–	3RW44 45-□BC□4	
	433	132	250	–	–	372	125	150	300	–	3RW44 47-□BC□4	
	542	160	315	–	–	485	150	200	400	–	3RW44 53-□BC□4	
	617	200	355	–	–	546	150	200	450	–	3RW44 53-□BC□4	
	748	250	400	–	–	667	200	250	600	–	3RW44 53-□BC□4	
	954	315	560	–	–	856	300	350	750	–	3RW44 55-□BC□4	
400 ... 600	1065	355	630	–	–	954	350	400	850	–	3RW44 58-□BC□4	
	1200	400	710	–	–	1065	350	450	950	–	3RW44 65-□BC□4	
	1351	450	800	–	–	1200	450	500	1050	–	3RW44 65-□BC□4	
	1524	500	900	–	–	1351	450	600	1200	–	3RW44 65-□BC□4	
	–	–	–	–	–	1472	550	650	1300	–	3RW44 66-□BC□4	
	400 ... 600	161	–	90	110	–	142	–	–	100	125	3RW44 35-□BC□5
		196	–	110	132	–	173	–	–	125	150	3RW44 36-□BC□5
		232	–	132	160	–	203	–	–	150	200	3RW44 43-□BC□5
		281	–	160	200	–	251	–	–	200	250	3RW44 43-□BC□5
		352	–	200	250	–	312	–	–	250	300	3RW44 45-□BC□5
433		–	250	315	–	372	–	–	300	350	3RW44 47-□BC□5	
542		–	315	355	–	485	–	–	400	500	3RW44 53-□BC□5	
617		–	355	450	–	546	–	–	450	600	3RW44 53-□BC□5	
748		–	400	500	–	667	–	–	600	750	3RW44 53-□BC□5	
954		–	560	630	–	856	–	–	750	950	3RW44 55-□BC□5	
400 ... 600	1065	–	630	710	–	954	–	–	850	1050	3RW44 58-□BC□5	
	1200	–	710	800	–	1065	–	–	950	1200	3RW44 65-□BC□5	
	1351	–	800	900	–	1200	–	–	1050	1350	3RW44 65-□BC□5	
	1524	–	900	1000	–	1351	–	–	1200	1500	3RW44 65-□BC□5	
	–	–	–	–	–	1472	–	–	1300	1650	3RW44 66-□BC□5	

Order No. supplement for connection type

Spring-loaded terminals 2  
Screw-type terminals 6

Order No. supplement for rated control supply voltage  $U_s$

AC 115 V 3  
AC 230 V 4

# Configuration Notes

## Selection aid for soft starters

	Application	3RW30	3RW40	3RW44
Normal starting (CLASS 10)	Pump	●	●	●
	Pump with special pump stop (against water hammer)			●
	Heat pump	●	●	●
	Hydraulic pump	○	●	●
	Press	○	●	●
	Belt conveyor	○	●	●
	Roller conveyor	○	●	●
	Screw conveyor	○	●	●
	Escalator		●	●
	Piston compressor		●	●
	Screw compressor		●	●
	Small fan		●	●
	Centrifugal blower		●	●
	Bow thruster		●	●
	Heavy-duty starting (CLASS 20)	Agitator		○
Extruder			○	●
Turning machine			○	●
Milling machine			○	●
Ultra-heavy- duty starting (CLASS 30)	Large fan			●
	Circular saw / band saw			●
	Centrifuge			●
	Mill			●
	Crusher			●
<b>Soft starter functions</b>				
	Soft start function	X	X	X
	Soft stop function		X	X
	Integrated intrinsic device protection		X	X
	Integrated electronic motor overload protection		X	X
	Settable current limiting		X	X
	Special pump stop function			X
	Brakes in ramp-down			X
	Settable breakaway torque			X
	Communication via PROFIBUS (optional)			X
	External operation and indication display (optional)			X
	Soft Starter ES parameterization software			X
	Special functions, e.g. measured values, display language, etc.			X

- recommended soft starter
- possible soft starter

## Boundary conditions

### CLASS 10 (normal starting):

3RW30:

Maximum start-up time 3 sec., with 300 % starting current, 20 starts/hour

3RW40/44:

Maximum start-up time 10 sec., current limiting 300 %, 5 starts/hour

### CLASS 20 (heavy-duty starting):

3RW402., 3RW403., 3RW404.:

Maximum start-up time 20 sec., current limiting set to 300 %, maximum 5 starts/hour

3RW405., 3RW407., 3RW44:

Maximum start-up time 40 sec., current limiting set to 350 %, maximum 1 start/hour

### CLASS 30 (ultra-heavy-duty starting):

Maximum start-up time 60 sec., current limiting set to 350 %, maximum 1 start/hour

### General boundary conditions:

ON period 30 %

Stand-alone assembly

Installation altitude: maximum 1000 m / 3280 ft

Ambient temperature:

kW: 40 °C / 104 °F

hp: 50 °C / 122 °F

The stated motor ratings are only approximate values. The soft starter's dimensioning should always exceed the motor current (rated operating current). With deviating conditions, a larger device may have to be selected.

Motor rating data are based on DIN 42973 (kW) and NEC 96/UL508 (hp).

Further details and information (e.g. on accessories and spare parts) can be found in the catalogs LV1 and LV1 T "Low-Voltage Controls and Distribution" and in the current online editions of these catalogs on the Internet at:

[www.siemens.com/lowvoltage/catalogs](http://www.siemens.com/lowvoltage/catalogs)

General and further information on SIRIUS soft starters is available on the Internet at:

[www.siemens.com/softstarter](http://www.siemens.com/softstarter)

For optimum dimensioning (in case of deviations from the described boundary conditions), we recommend application of the selection and simulation program

"Win-Soft Starter".

(Order No.: E20001-D1020-P302-V2-7400)

Win-Soft Starter can also be ordered or downloaded via the following link:

[www.siemens.com/lowvoltage/demosoftware](http://www.siemens.com/lowvoltage/demosoftware)

Alternatively, contact our

**Technical Assistance: +49 911 895 5900**

or write an e-mail to

[technical-assistance@siemens.com](mailto:technical-assistance@siemens.com)

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