

SIEMENS

AIR-COOLED DRIVES

SINAMICS Perfect Harmony GH180

usa.siemens.com/perfectharmony



When reliability is all you have room for.

When it comes to improving throughput, increasing efficiency and standardizing solutions, operating conditions will never be perfect – but at least your drives can be. Whether square footage is at a premium or downtime is not an option, reliability is something you can't stand to spare. Siemens developed a drive to fit virtually anywhere – perfectly.



SINAMICS Perfect Harmony GH180 is:

- **Highly Reliable**
Provides fault tolerance via Advanced Cell Bypass
- **Energy-Efficient**
Increases process control to improve throughput and reduce energy waste
- **Line-Friendly**
Achieves a near-unity power factor by eliminating harmonic voltage and current distortion
- **Motor-Friendly**
Eliminates harmonic heating and insulation stress
- **Load-Friendly**
Eliminates significant torque pulsations
- **Process-Focused**
Prevents system shutdown by proactively warning the operator of any issues

A highly efficient solution for low power applications

The SINAMICS Perfect Harmony GH180 air-cooled drive delivers optimal power and protection.

Siemens power cell design allows for less maintenance and greater availability. And when combined with up to 90% savings on cable costs, the result is a significantly lower total cost of ownership over the drive's lifecycle. No other drive offers the savings and reliability that the SINAMICS Perfect Harmony GH180 does, making it the ideal solution for low power applications — especially those requiring cable lengths over 200 feet. Now you can retrofit your medium-voltage soft starter systems to achieve improved efficiency and process control.

A drive that's sized for what's essential.

Compact Footprint

Upgrade your drive without giving up critical space. The SINAMICS Perfect Harmony GH180 drive fits easily into retrofits and other applications where space is at a premium.

Fast & Simple Commissioning

The SINAMICS Perfect Harmony GH180 drive offers a simplified system, with enhanced serviceability and reduced commissioning. In some instances, commissioning time is as little as 1-2 days!

Low Voltage Compatibility

The SINAMICS Perfect Harmony GH180 drive supports 480V or 600V input voltages up to 1500 HP – making this drive ideal for new or retrofit applications.

Common Design

The SINAMICS Perfect Harmony drive family offers a consistent design with common spares, which can allow for a reduction in parts inventory.

Significant Savings

With the SINAMICS Perfect Harmony GH180 drive, you will realize tremendous savings on cables and conduit. Savings on installation and lifetime operating costs will also be realized, thanks to infrequent maintenance needs.

Ease of Use

The SINAMICS Perfect Harmony drive features enhancements including the Siemens SIMATIC HMI, low weight power cells, front access blowers with a common service lifter for cell and blower removal. In addition, the new louver design provides users with unparalleled ease of use.

Energy Efficiency

SINAMICS Perfect Harmony drives offer up to 96.5% energy efficiency through the speed range.

Compatible with Any Motor Type

SINAMICS Perfect Harmony GH180 drives are compatible with any motor type including induction, synchronous, permanent magnet, and round rotor motors.



The perfect solution for imperfect conditions.

As the demand for power and raw materials continues to grow, U.S. manufacturers are faced with an increasing number of operational challenges. For some, it's the remote location of their plants; others have harsh environments to consider. But although operating conditions are never perfect, your process has to be — because in today's competitive market, downtime is not an option. That's why there's SINAMICS Perfect Harmony.

Every element of the SINAMICS Perfect Harmony GH180 drive is engineered to maximize productivity and protect your process in a way that other drives can't. Designed in compact air-cooled Configurations, the SINAMICS Perfect Harmony drive deliver superior versatility, efficiency and process availability for the most demanding applications.

And because reliability is a paramount concern for today's manufacturers, Siemens equipped the SINAMICS Perfect Harmony drive with 50+ patented technologies proven to increase the dependability of critical processes. The drive's modularity provides a scalable solution that achieves near-100% reliability and 99.99% availability, resulting in a significantly reduced total cost of ownership over the drive's lifecycle. A series cell configuration even allows the drive to withstand failures that would overwhelm conventional drives and shut down the plant process.



Unparalleled Benefits:

- Impressive potential 3 year pay back on fan and pump applications
- Up to 4% improved efficiency on low power applications when compared to high-low-high solutions
- Incredible flexibility to suit virtually any application
- Fast lead time to meet even the most demanding schedules
- Optimized at low horsepower ratings

Superior reliability and enhanced performance.



Advanced Cell Bypass

In less than a quarter of a second, the SINAMICS Perfect Harmony GH180 drive can bypass multiple failed cells to maintain a balanced output voltage. With one cell in bypass, the drive still produces sufficient voltage to allow the process to continue uninterrupted, and the quality of the voltage and waveform remain virtually unchanged.

Clean Power Input

SINAMICS Perfect Harmony drives meet the most stringent IEEE 519-2014 requirements for voltage and current harmonic distortion. An integrated sinusoidal converter not only eliminates the need for harmonic filters, power factor correction capacitors or extra bus capacity, but also protects other online equipment from harmonic disturbances.

High-Quality Output

No drive offers a higher-quality waveform output than SINAMICS Perfect Harmony. With 13 levels of non-harmonic output voltage, it accommodates any standard motor without requiring additional output or dv/dt filters — which can reduce efficiency and reliability — and it provides the lowest peak voltage to the motor windings to help extend motor life.

Environmental Tolerance

Only SINAMICS Perfect Harmony drives are engineered to operate reliably in environments with ambient temperatures ranging from -40°C to $+50^{\circ}\text{C}$. No other drive can tolerate such a broad range of extreme conditions. An optional PDC allows the drive to withstand even the harshest outdoor conditions, from tropical environments to frozen tundras.

Technical data at a glance.

Efficiency

- Typical power converter: 99%
- Typical total drive system: 96.5%

Input Transformer

- Aluminum or copper windings, forced-air cooling

Line Supply Connection

- Input voltage and voltage tolerance: 480V–7.2 kV, $\pm 10\%$
8.4kV–13.8kV*, $\pm 10\%$
- Input frequency: 50 or 60 Hz, $\pm 5\%$
- Input power factor: ≥ 0.95 above 10% load

Motor-Side Inverter

- Multilevel drive PWM topology
- IGBT power modules

Motor Control

- Induction motors
- Synchronous motors
- Permanent magnet motors
- Wound rotor motors

Motor Insulation Requirement

- All standard motor insulations with no filters

Output Torque

- Rated torque (2Q) available from 10–167 Hz
- Optional: 4Q up to 500A at 50-60Hz

Control

- Vector control

Input Current Harmonics

- $\leq 5\%$ TDD (total demand distortion)
- Meets or exceeds IEEE-519-2014

Ride-Through

- Minimum of five cycles after loss of input medium voltage without tripping

Output Frequency and Drift

0.5–330 Hz, $\pm 0.5\%$

Output Voltage Harmonics (THDi)

2.0%–2.5%

Enclosure

NEMA 1; IP42 standard

* Certain HPs require a 24" cabinet for input voltages >7.2kV



SINAMICS Perfect Harmony
GH180 Air-Cooled Drive

Intelligent Analytics. Innovative Technology. SINAMICS Perfect Harmony IQ

SINAMICS Perfect Harmony IQ combines the reliable technology of SINAMICS drives with pioneering analytics and insights of your drive system locally enabling faster response times and additional cloud-based analytics monitoring long-term performance.

Some of the hardest-working components in a medium voltage drive are the power cells, so maintaining peak performance is critical. With the new SINAMICS Perfect Harmony GH180 IQ, Siemens is making it easier than ever before to identify power cell issues before they can cause a drive to trip. In a major leap forward in the digitalization of drive systems, Siemens has developed digital technology that enables real-time cell monitoring capability.



Benefits

- Early detection and warning of abnormal operating conditions
- Time-based maintenance is replaced by status-based maintenance
- Downtimes can be planned based on real-time drive and process data
- Longer service life of components and machines
- Increase in system availability
- Avoidance of unplanned downtime
- Predictable and cost-optimized repairs
- Increased operator & facility safety
- Protects other equipment installed in the same environment

SIDRIVE IQ – our holistic solution and service to IIoT for drive systems

Siemens offers a holistic solution around condition-based monitoring with both local and cloud options. Siemens SIDRIVE IQ is an integral component of the SINAMICS medium voltage drive portfolio SINAMICS drives are equipped with a connectivity module (SINAMICS CONNECT 500) so they can be easily integrated into the digital, cloud-based solution Siemens offers.

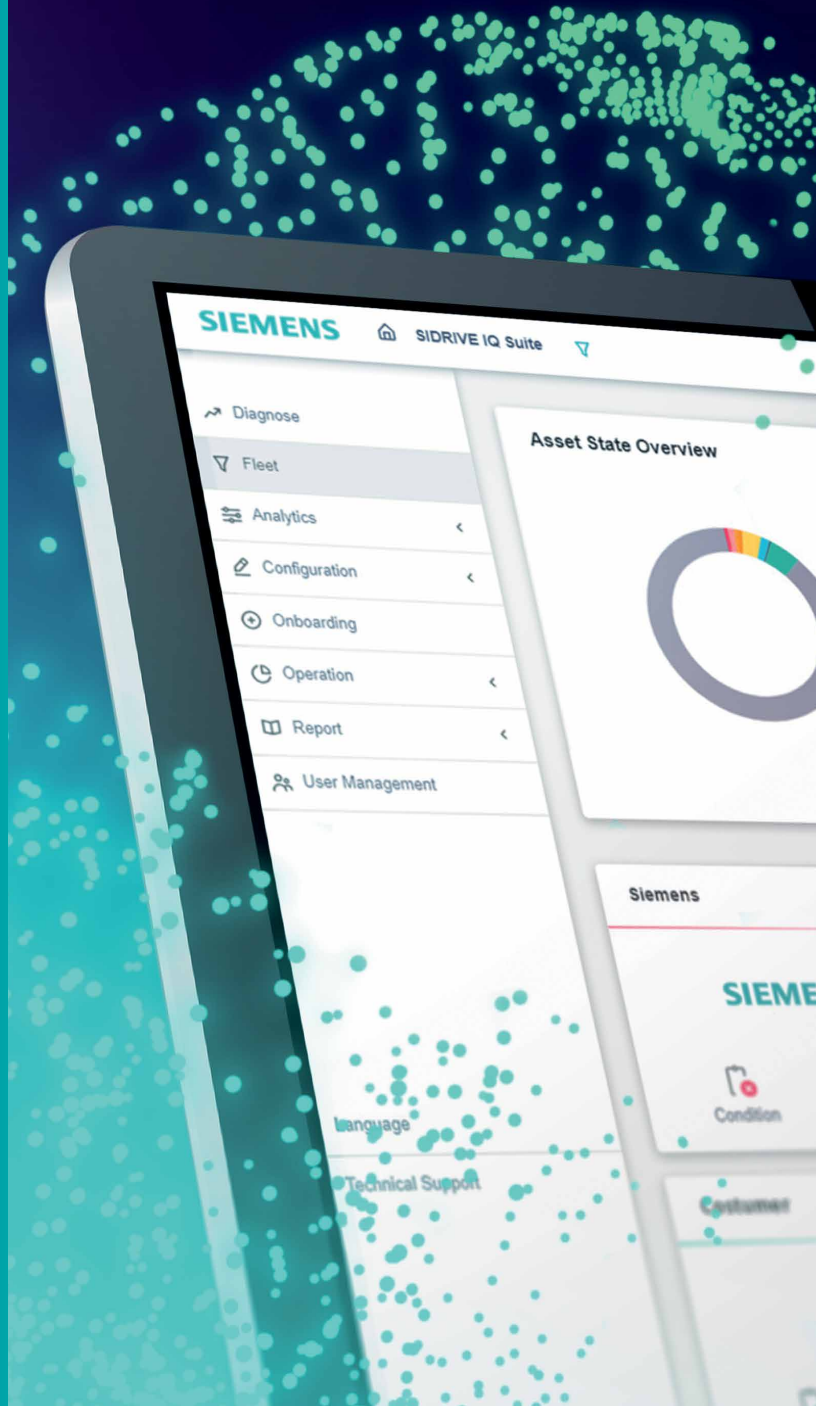
Condition data such as drive information, historic logs parameters and fault logs are evaluated, processed and sent to our cloud for analysis. In addition this, Siemens offers users the ability to track and visualize various drive systems conditions, while Siemens experts can also analyze this data to highlight trends, errors and generate reports.

The goal of SIDRIVE IQ is to:

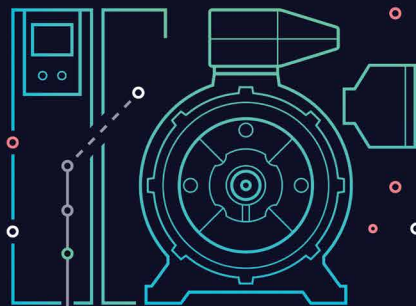
- Boost your productivity
- Reduce service and maintenance costs
- Increase availability
- Shorten unplanned downtimes

SIDRIVE IQ – the holistic solution and service to IIoT for your drive system

[Siemens.com/sidrive-iq](https://www.siemens.com/sidrive-iq)



SERENITY, SECURITY, SIDRIVE IQ
Trust every choice.



Smart Products



Digital Platform

Services

9 Cell

Cell Current A	No. of Cells	Shaft Output ¹		Height ²		Width ²		Depth ²		Order Number (MLFB) ³
		kW	Hp	in.	mm	in.	mm	in.	mm	
Selection data for motor voltage 2.3/2.4 kV										
40	9	112	150	102	2590	48	1219	40	1016	6SR5_02-6_A31-5__0
40	9	138	184	102	2590	48	1219	40	1016	6SR5_02-6_A32-0__0
70	9	149	200	102	2590	48	1219	40	1016	6SR5_02-6_B32-0__0
70	9	241	323	102	2590	48	1219	40	1016	6SR5_02-6_B34-0__0
100	9	298	400	110	2794	60	1524	42	1067	6SR5_02-0_C34-0__0
140	9	373	500	110	2794	60	1524	42	1067	6SR5_02-0_D35-0__0
140	9	448	600	110	2794	60	1524	42	1067	6SR5_02-0_D36-0__0
200	9	522	700	110	2794	75	1905	45	1143	6SR5_02-0_E37-0__0
200	9	671	900	110	2794	75	1905	45	1143	6SR5_02-0_E38-7__0
260	9	746	1000	110	2794	75	1905	45	1143	6SR5_02-0_F41-0__0
260	9	917	1229	110	2794	75	1905	45	1143	6SR5_02-0_F41-2__0
340	9	933	1250	116	2936	134	3400	47.2	1200	6SR5_02-0_G41-2__0
430	9	1492	2000	116	2936	134	3400	47.2	1200	6SR5_02-0_H42-0__0
550	9	1865	2500	115	2916	228.5	5803	53.9	1370	6SR5_02-0_J42-5__0
600	9	2062	2750	115	2916	228.5	5803	53.9	1370	6SR5_02-0_K42-7__0
720	9	2238	3000	115	2916	228.5	5803	53.9	1370	6SR5_02-0_L43-0__0
Selection data for motor voltage 3.3 kV										
40	9	112	150	102	2590	48	1219	40	1016	6SR5_02-0_A31-5__0
40	9	189	254	102	2590	48	1219	40	1016	6SR5_02-0_A35-0__0
70	9	224	300	102	2590	48	1219	40	1016	6SR5_02-0_B33-0__0
70	9	331	444	102	2590	48	1219	40	1016	6SR5_02-0_B35-0__0
100	9	373	500	110	2794	60	1524	42	1067	6SR5_02-0_C35-0__0
100	9	448	600	110	2794	60	1524	42	1067	6SR5_02-0_C36-0__0
140	9	522	700	110	2794	60	1524	42	1067	6SR5_02-0_D37-0__0
140	9	662	887	110	2794	60	1524	42	1067	6SR5_02-0_D38-7__0
200	9	746	1000	110	2794	75	1905	45	1143	6SR5_02-0_E41-0__0
200	9	933	1250	110	2794	75	1905	45	1143	6SR5_02-0_E41-2__0
260	9	1119	1500	110	2794	75	1905	45	1143	6SR5_02-0_F41-5__0
260	9	1261	1690	110	2794	75	1905	45	1143	6SR5_02-0_F41-7__0
340	9	1306	1750	116	2936	134	3400	47.2	1200	6SR5_02-0_G41-7__0
430	9	2238	3000	116	2936	134	3400	47.2	1200	6SR5_02-0_H43-0__0
550	9	2611	3500	115	2916	228.5	5803	53.9	1370	6SR5_02-0_J43-5__0
600	9	2798	3750	115	2916	228.5	5803	53.9	1370	6SR5_02-0_K43-7__0
720	9	2984	4000	115	2916	228.5	5803	53.9	1370	6SR5_02-0_L44-0__0
Selection data for motor voltage 4.0 kV										
40	9	112	150	102	2590	48	1219	40	1016	6SR5_02-0_A31-5__0
40	9	224	300	102	2590	48	1219	40	1016	6SR5_02-0_A33-0__0

9 Cell (continued)

70	9	298	400	102	2590	48	1219	40	1016	6SR5_02-0_B34-0__0
70	9	401	538	102	2590	48	1219	40	1016	6SR5_02-0_B36-0__0
100	9	448	600	110	2794	60	1524	42	1067	6SR5_02-0_C36-0__0
100	9	522	700	110	2794	60	1524	42	1067	6SR5_02-0_C37-0__0
140	9	597	800	110	2794	60	1524	42	1067	6SR5_02-0_D38-0__0
140	9	746	1000	110	2794	60	1524	42	1067	6SR5_02-0_D41-0__0
200	9	933	1250	110	2794	75	1905	45	1143	6SR5_02-0_E41-2__0
200	9	1119	1500	110	2794	75	1905	45	1143	6SR5_02-0_E41-5__0
260	9	1306	1750 ⁴	TBD	TBD	TBD	TBD	TBD	TBD	6SR5_02-0_F41-7__0
260	9	1492	2000 ⁴	TBD	TBD	TBD	TBD	TBD	TBD	6SR5_02-0_F42-0__0
340	9	1679	2250	116	2936	134	3400	47.2	1200	6SR5_02-0_G42-2__0
430	9	2611	3500	116	2936	134	3400	47.2	1200	6SR5_02-0_H43-5__0
550	9	2984	4000	115	2916	228.5	5803	53.9	1370	6SR5_02-0_J44-0__0
600	9	3357	4500	115	2916	228.5	5803	53.9	1370	6SR5_02-0_K44-5__0
720	9	3730	5000	115	2916	228.5	5803	53.9	1370	6SR5_02-0_L45-0__0

Selection data for motor voltage 4.16 kV

40	9	112	150	102	2590	48	1219	40	1016	6SR5_02-0_A31-5__0
40	9	224	300	102	2590	48	1219	40	1016	6SR5_02-0_A33-0__0
70	9	298	400	102	2590	48	1219	40	1016	6SR5_02-0_B34-0__0
70	9	417	559	102	2590	48	1219	40	1016	6SR5_02-0_B36-0__0
100	9	448	600	110	2794	60	1524	42	1067	6SR5_02-0_C36-0__0
100	9	597	800	110	2794	60	1524	42	1067	6SR5_02-0_C38-0__0
140	9	671	900	110	2794	60	1524	42	1067	6SR5_02-0_D38-7__0
140	9	746	1000	110	2794	60	1524	42	1067	6SR5_02-0_D41-0__0
200	9	933	1250	110	2794	75	1905	45	1143	6SR5_02-0_E41-2__0
200	9	1119	1500	110	2794	75	1905	45	1143	6SR5_02-0_E41-5__0
260	9	1306	1750 ⁴	TBD	TBD	TBD	TBD	TBD	TBD	6SR5_02-0_F41-7__0
260	9	1492	2000 ⁴	TBD	TBD	TBD	TBD	TBD	TBD	6SR5_02-0_F42-0__0
340	9	1679	2250	116	2936	134	3400	47.2	1200	6SR5_02-0_G42-2__0
430	9	2611	3500	116	2936	134	3400	47.2	1200	6SR5_02-0_H43-5__0
550	9	2984	4000	115	2916	228.5	5803	53.9	1370	6SR5_02-0_J44-0__0
600	9	3357	4500	115	2916	228.5	5803	53.9	1370	6SR5_02-0_K44-5__0
720	9	3730	5000	115	2916	228.5	5803	53.9	1370	6SR5_02-0_L45-0__0
720	9	4103	5500	115	2916	228.5	5803	53.9	1370	6SR5_02-0_L45-5__0

12 Cell

Cell Current A	No. of Cells	Shaft Output ¹		Height ²		Width ²		Depth ²		Order Number (MLFB) ³
		kW	Hp	in.	mm	in.	mm	in.	mm	
Selection data for motor voltage 4.6/4.8 kV										
40	12	223.8	300	116	2936	114	2900	42	1065	6SR5_02-1_A33-0__0
70	12	298.4	400	116	2936	114	2900	42	1065	6SR5_02-1_B34-0__0

12 Cell (continued)

70	12	447.6	600	116	2936	114	2900	42	1065	6SR5_02-1_B36-0__0
100	12	522.2	700	116	2936	114	2900	42	1065	6SR5_02-1_C37-0__0
100	12	671.4	900	116	2936	114	2900	42	1065	6SR5_02-1_C38-7__0
140	12	746	1000	116	2936	114	2900	42	1065	6SR5_02-1_D41-0__0
140	12	932.5	1250	116	2936	114	2900	42	1065	6SR5_02-1_D41-2__0
200	12	1119	1500	116	2936	134	3400	47.3	1200	6SR5_02-1_E41-5__0
200	12	1305.5	1750	116	2936	134	3400	47.3	1200	6SR5_02-1_E41-7__0
260	12	1492	2000	116	2936	134	3400	47.3	1200	6SR5_02-1_F42-0__0
260	12	1678.5	2250	116	2936	134	3400	47.3	1200	6SR5_02-1_F42-2__0
340	12	1865	2500	115	2916	219	5550	52.1	1323	6SR5_02-1_G42-5__0
340	12	2238	3000	115	2916	219	5550	52.1	1323	6SR5_02-1_G43-0__0
430	12	2611	3500	115	2916	219	5550	52.1	1323	6SR5_02-1_H43-5__0
430	12	2984	4000	115	2916	219	5550	52.1	1323	6SR5_02-1_H44-0__0
550	12	3357	4500	115	2916	266.2	6759	53.9	1370	6SR5_02-1_J44-5__0
550	12	3730	5000	115	2916	266.2	6759	53.9	1370	6SR5_02-1_J45-0__0
600	12	4103	5500	115	2916	266.2	6759	53.9	1370	6SR5_02-1_K45-5__0
750	12	4476	6000	115	2916	266.2	6759	53.9	1370	6SR5_02-1_L46-0__0

15 Cell

Cell Current A	No. of Cells	Shaft Output ¹		Height ²		Width ²		Depth ²		Order Number (MLFB) ³
		kW	Hp	in.	mm	in.	mm	in.	mm	
Selection data for motor voltage 6.0kV										
40	15	223.8	300	116	2936	114	2900	42	1065	6SR5_02-2_A33-0__0
40	15	298.4	400	116	2936	114	2900	42	1065	6SR5_02-2_A34-0__0
70	15	373	500	116	2936	114	2900	42	1065	6SR5_02-2_B35-0__0
70	15	450	600	116	2936	114	2900	42	1065	6SR5_02-2_B36-0__0
70	15	522.2	700	116	2936	114	2900	42	1065	6SR5_02-2_B37-0__0
70	15	600	800	116	2936	114	2900	42	1065	6SR5_02-2_B38-0__0
100	15	671.4	900	116	2936	114	2900	42	1065	6SR5_02-2_C38-7__0
100	15	746	1000	116	2936	114	2900	42	1065	6SR5_02-2_C41-0__0
140	15	932.5	1250	116	2936	114	2900	42	1065	6SR5_02-2_D41-2__0
140	15	1120	1500	116	2936	114	2900	42	1065	6SR5_02-2_D41-5__0
200	15	1305.5	1750	116	2936	134	3400	47.3	1200	6SR5_02-2_E41-7__0
200	15	1492	2000	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-0__0
200	15	1678.5	2250	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-2__0
260	15	1865	2500	116	2936	134	3400	47.3	1200	6SR5_02-2_F42-5__0
260	15	2051.5	2750	116	2936	134	3400	47.3	1200	6SR5_02-2_F42-7__0
260	15	2240	3000	116	2936	134	3400	47.3	1200	6SR5_02-2_F43-0__0
340	15	2424.5	3250	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-2__0
340	15	2611	3500	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-5__0
340	15	2797.5	3750	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-7__0

15 Cell (continued)

430	15	2984	4000	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-0__0
430	15	3170.5	4250	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-2__0
430	15	3357	4500	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-5__0
430	15	3543.5	4750	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-7__0
430	15	3730	5000	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-0__0
430	15	3916.5	5250	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-2__0
430	15	4103	5500	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-5__0
550	15	4476	6000	115	2916	266.2	6759	53.9	1370	6SR5_02-2_J46-0__0
550	15	4849	6500	115	2916	266.2	6759	53.9	1370	6SR5_02-2_J46-5__0
600	15	5222	7000	128	3256	278	7062	53.9	1370	6SR5_02-2_K47-0__0
750	15	5595	7500	128	3256	278	7062	53.9	1370	6SR5_02-2_L47-5__0
750	15	5968	8000	128	3256	278	7062	53.9	1370	6SR5_02-2_L48-0__0

Selection data for motor voltage 6.6 kV

40	15	223.8	300	116	2936	114	2900	42	1065	6SR5_02-2_A33-0__0
40	15	298.4	400	116	2936	114	2900	42	1065	6SR5_02-2_A34-0__0
40	15	373	500	116	2936	114	2900	42	1065	6SR5_02-2_A35-0__0
70	15	450	600	116	2936	114	2900	42	1065	6SR5_02-2_B36-0__0
70	15	522.2	700	116	2936	114	2900	42	1065	6SR5_02-2_B37-0__0
70	15	600	800	116	2936	114	2900	42	1065	6SR5_02-2_B38-0__0
70	15	671.4	900	116	2936	114	2900	42	1065	6SR5_02-2_B38-7__0
100	15	746	1000	116	2936	114	2900	42	1065	6SR5_02-2_C41-0__0
100	15	932.5	1250	116	2936	114	2900	42	1065	6SR5_02-2_C41-2__0
140	15	1120	1500	116	2936	114	2900	42	1065	6SR5_02-2_D41-5__0
140	15	1305.5	1750	116	2936	114	2900	42	1065	6SR5_02-2_D41-7__0
200	15	1492	2000	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-0__0
200	15	1678.5	2250	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-2__0
200	15	1865	2500	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-5__0
260	15	2051.5	2750	116	2936	134	3400	47.3	1200	6SR5_02-2_F42-7__0
260	15	2240	3000	116	2936	134	3400	47.3	1200	6SR5_02-2_F43-0__0
340	15	2424.5	3250	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-2__0
340	15	2611	3500	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-5__0
340	15	2797.5	3750	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-7__0
340	15	2984	4000	115	2916	219	5550	52.1	1323	6SR5_02-2_G44-0__0
340	15	3170.5	4250	115	2916	219	5550	52.1	1323	6SR5_02-2_G44-2__0
430	15	3357	4500	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-5__0
430	15	3543.5	4750	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-7__0
430	15	3730	5000	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-0__0
430	15	3916.5	5250	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-2__0
430	15	4103	5500	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-5__0

15 Cell (continued)

550	15	4476	6000	115	2916	266.2	6759	53.9	1370	6SR5_02-2_J46-0__0
550	15	4849	6500	115	2916	266.2	6759	53.9	1370	6SR5_02-2_J46-5__0
550	15	5222	7000	128	3256	278	7062	53.9	1370	6SR5_02-2_J47-0__0
600	15	5595	7500	128	3256	278	7062	53.9	1370	6SR5_02-2_K47-5__0
750	15	5968	8000	128	3256	278	7062	53.9	1370	6SR5_02-2_L48-0__0
Selection data for motor voltage 6.9 kV										
40	15	223.8	300	116	2936	114	2900	42	1065	6SR5_02-2_A33-0__0
40	15	298.4	400	116	2936	114	2900	42	1065	6SR5_02-2_A34-0__0
40	15	373	500	116	2936	114	2900	42	1065	6SR5_02-2_A35-0__0
70	15	450	600	116	2936	114	2900	42	1065	6SR5_02-2_B36-0__0
70	15	522.2	700	116	2936	114	2900	42	1065	6SR5_02-2_B37-0__0
70	15	600	800	116	2936	114	2900	42	1065	6SR5_02-2_B38-0__0
70	15	671.4	900	116	2936	114	2900	42	1065	6SR5_02-2_B38-7__0
100	15	746	1000	116	2936	114	2900	42	1065	6SR5_02-2_C41-0__0
100	15	932.5	1250	116	2936	114	2900	42	1065	6SR5_02-2_C41-2__0
140	15	1120	1500	116	2936	114	2900	42	1065	6SR5_02-2_D41-5__0
140	15	1305.5	1750	116	2936	114	2900	42	1065	6SR5_02-2_D41-7__0
200	15	1492	2000	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-0__0
200	15	1678.5	2250	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-2__0
200	15	1865	2500	116	2936	134	3400	47.3	1200	6SR5_02-2_E42-5__0
260	15	2051.5	2750	116	2936	134	3400	47.3	1200	6SR5_02-2_F42-7__0
260	15	2240	3000	116	2936	134	3400	47.3	1200	6SR5_02-2_F43-0__0
260	15	2424.5	3250	115	2916	219	5550	47.3	1200	6SR5_02-2_F43-2__0
260	15	2611	3500	115	2916	219	5550	47.3	1200	6SR5_02-2_F43-5__0
340	15	2797.5	3750	115	2916	219	5550	52.1	1323	6SR5_02-2_G43-7__0
340	15	2984	4000	115	2916	219	5550	52.1	1323	6SR5_02-2_G44-0__0
340	15	3170.5	4250	115	2916	219	5550	52.1	1323	6SR5_02-2_G44-2__0
430	15	3357	4500	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-5__0
430	15	3543.5	4750	115	2916	219	5550	52.1	1323	6SR5_02-2_H44-7__0
430	15	3730	5000	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-0__0
430	15	3916.5	5250	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-2__0
430	15	4103	5500	115	2916	219	5550	52.1	1323	6SR5_02-2_H45-5__0
550	15	4476	6000	115	2916	219	5550	53.9	1370	6SR5_02-2_H46-0__0
550	15	4849	6500	115	2916	266	6759	53.9	1370	6SR5_02-2_J46-5__0
550	15	5222	7000	128	3256	278	7062	53.9	1370	6SR5_02-2_J47-0__0
600	15	5595	7500	128	3256	278	7062	53.9	1370	6SR5_02-2_K47-5__0
600	15	5968	8000	128	3256	278	7062	53.9	1370	6SR5_02-2_L48-0__0
750	15	6341	8500	128	3256	278	7062	53.9	1370	6SR5_02-2_L48-5__0

18 Cell

Cell Current A	No. of Cells	Shaft Output ¹		Height ²		Width ²		Depth ²		Order Number (MLFB) ³
		kW	Hp	in.	mm	in.	mm	in.	mm	
Selection data for motor voltage 10.0 kV										
550	18	6341	8500	128	3256	294	7465	53.9	1370	6SR5_02-3_J48-5__0
600	18	6714	9000	128	3256	294	7465	53.9	1370	6SR5_02-3_K48-7__0
750	18	7087	9500	128	3256	294	7465	53.9	1370	6SR5_02-3_L48-8__0
750	18	7460	10000	128	3256	294	7465	53.9	1370	6SR5_02-3_L52-0__0

21 Cell⁵

Cell Current A	No. of Cells	Shaft Output ¹		Height ²		Width ²		Depth ²		Order Number (MLFB) ³
		kW	Hp	in.	mm	in.	mm	in.	mm	
Selection data for motor voltage 10.0 kV										
340	21	3730	5000	115	2916	267	6767	53	1350	6SR5_02-4_G45-0__0
340	21	3916.5	5250	115	2916	267	6767	53	1350	6SR5_02-4_G45-2__0
340	21	4103	5500	115	2916	267	6767	53	1350	6SR5_02-4_G45-5__0
340	21	4289.5	5750	115	2916	267	6767	53	1350	6SR5_02-4_G45-7__0
340	21	4476	6000	115	2916	267	6767	53	1350	6SR5_02-4_G46-0__0
340	21	4849	6500	115	2916	267	6767	53	1350	6SR5_02-4_G46-5__0
430	21	5222	7000	115	2916	267	6767	53	1350	6SR5_02-4_H47-0__0
430	21	5595	7500	115	2916	267	6767	53	1350	6SR5_02-4_H47-5__0
430	21	5968	8000	115	2916	267	6767	53	1350	6SR5_02-4_H48-0__0

24 Cell

Cell Current A	No. of Cells	Shaft Output ¹		Height ²		Width ²		Depth ²		Order Number (MLFB) ³
		kW	Hp	in.	mm	in.	mm	in.	mm	
Selection data for motor voltage 11.0 kV										
340	24	3730	5000	115	2916	267	6767	56.1	1423	6SR5_02-5_G45-0_0
340	24	3916.5	5250	115	2916	267	6767	56.1	1423	6SR5_02-5_G45-2_0
340	24	4103	5500	115	2916	267	6767	56.1	1423	6SR5_02-5_G45-5_0
340	24	4289.5	5750	115	2916	267	6767	56.1	1423	6SR5_02-5_G45-7_0
340	24	4476	6000	115	2916	267	6767	56.1	1423	6SR5_02-5_G46-0_0
340	24	4849	6500	115	2916	267	6767	56.1	1423	6SR5_02-5_G46-5_0
340	24	5222	7000	115	2916	267	6767	56.1	1423	6SR5_02-5_G47-0_0
430	24	5595	7500	115	2916	267	6767	56.1	1423	6SR5_02-5_H47-5_0
430	24	5968	8000	115	2916	267	6767	56.1	1423	6SR5_02-5_H48-0_0
430	24	6341	8500	115	2916	267	6767	56.1	1423	6SR5_02-5_H48-5_0
430	24	6714	9000	115	2916	267	6767	56.1	1423	6SR5_02-5_H48-7_0
550	24	7087	9500	128	3256	332	8424	53.9	1370	6SR5_02-5_J48-8_0
550	24	7460	10000	128	3256	332	8424	53.9	1370	6SR5_02-5_J52-0_0
550	24	7833	10500	136	3453	364	9247	53.9	1370	6SR5_02-5_J52-1_0
550	24	8206	11000	136	3453	364	9247	53.9	1370	6SR5_02-5_J52-2_0
550	24	8579	11500	136	3453	364	9247	53.9	1370	6SR5_02-5_J52-3_0
600	24	8952	12000	136	3453	364	9247	53.9	1370	6SR5_02-5_K52-4_0
600	24	9325	12500	136	3453	364	9247	53.9	1370	6SR5_02-5_K52-5_0
600	24	9698	13000	136	3453	364	9247	53.9	1370	6SR5_02-5_K52-6_0
750	24	10071	13500	136	3453	364	9247	53.9	1370	6SR5_02-5_K52-7_0
750	24	10444	14000	136	3453	364	9247	53.9	1370	6SR5_02-5_L52-8_0
750	24	10817	14500	136	3453	364	9247	53.9	1370	6SR5_02-5_L58-7_0
750	24	11190	15000	136	3453	364	9247	53.9	1370	6SR5_02-5_L53-0_0
750	24	11563	15500	136	3453	364	9247	53.9	1370	6SR5_02-5_L53-1_0
750	24	11936	16000	136	3453	364	9247	53.9	1370	6SR5_02-5_L53-2_0

¹ Typical output value provided; output power may change based on the type or size of motor.

² Reflects typical output power; motor type or size may affect actual output power. 8.4kV to 13.8kV requires additional 24" cabinet.

³ Brackets denote additional digits to be determined based on order detail.

⁴ Contact Siemens engineering for more information if the input voltage is greater than 7.2kV.

⁵ Only manufactured in Shanghai, China.

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