



ELECTRIC DRIVES
FOR EVERY DEMAND



Reference List

**Medium Voltage
Asynchronous Motors
with Slip-Ring**



 **Steel and rolling mills**



 **Machine and plant engineering**



 **Shipbuilding**



 **Cement and mining industry**



 **Transportation**



 **Chemical, oil and gas industry**



 **Water management**



 **Renewable energies**




 **Power plant technology**

since **1886**
electrical
engineering tradition

 **8 countries**
with manufacturing
facilities and subsidiaries

over **90**
countries on the export list

 **1,500**
motivated
employees worldwide

 **motors 0.06 kW – 60 MW**
 **generators up to 90 MVA**
range of electrical drive systems,
special motors and special machines

 up to **300**
Tonnes in motion

 **110,000 m²**
production space

about **200 million**
turnover

High-voltage and special machines

High-voltage transnorm motors

Sizes/type of protection 400–450, IP 55
 Speeds 3 000, 1 500, 1 000, 750 rpm
 Rated voltages 2.2...6.6 kV and 9...11 kV, 50 Hz (60 Hz on request)

Steel and rolling mills

Voltage range: 690 V to 11 kV
 Frequencies: converter operation
 Cooling types: air-water or air-air heat exchanger, water jacket cooling
 Types of construction: IM B3, IM V1 and IM 7115 and modifications
 Bearing: rolling or sliding bearing

Asynchronous motors with squirrel-cage rotor

Torque: 5 to 500 kNm
 Number of poles: 2-, 4-, 6-, 8- up to 24-pole

Synchronous motors with all-pole & salient pole rotor/with brushless and brush excitation

Torque: 10 to 4 000 kNm
 Number of poles: 4-, 6-, 8- up to 36-pole

Chemicals, oil and gas industry

Explosion-protected motors

Voltage range: 690 V to 13.8 kV
 Frequencies: Mains power and converter operation
 Cooling types: air-water or air-air heat exchanger
 Types of construction: IM B3 and IM 7115 and modifications
 Bearing: rolling or sliding bearing

Ignition protection types

“n” (non sparking), increased safety “e”,
 pressurised enclosure “p”

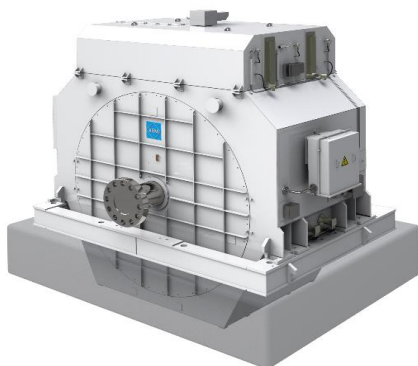
Asynchronous motors with squirrel-cage rotor

500 – 14 000 kW

Synchronous motors with salient pole rotor, brushless

2 000 – 60 000 kW

Number of poles: 4-, 6-, 8- up to 72-pole



Power plants

Power range

Asynchronous motors and

synchronous motors with squirrel-cage rotor 200 – 22 000 kW

Number of poles: (2-), 4-, 6-, 8- up to 28-pole

Voltage range: 690 V to 13.8 kV

Frequencies: Mains power and converter operation

Cooling types: air-water or air-air heat exchanger, special design with water jacket cooling

Types of construction: IM B3 and IM V1 and modifications

Bearing: rolling or sliding bearing

Cement and mining industry

Voltage range: 690 V to 13.8 kV

Frequencies: Converter operation

Cooling types: air-water or air-air heat exchanger, water jacket cooling

Types of construction: IM B3, IM V1 and IM 7115 and modifications

Bearing: rolling or sliding bearing

Asynchronous motors with squirrel-cage rotor

200 – 28 000 kW

Number of poles: 4-, 6-, 8- up to 16-pole

Asynchronous motors with slip ring rotor with and without KBAV

250 – 15 000 kW

Number of poles: 4-, 6-, 8- up to 16-pole

Synchronous motors with all-pole & salient pole rotor/with brushless and brush excitation

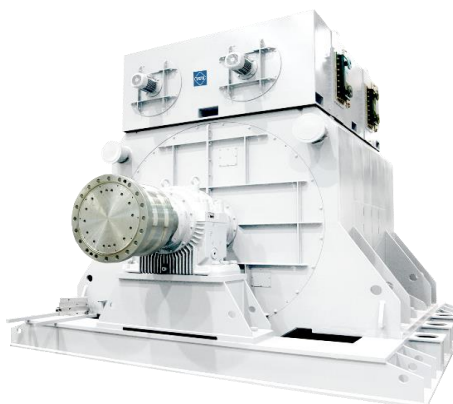
500 – 60 000 kW

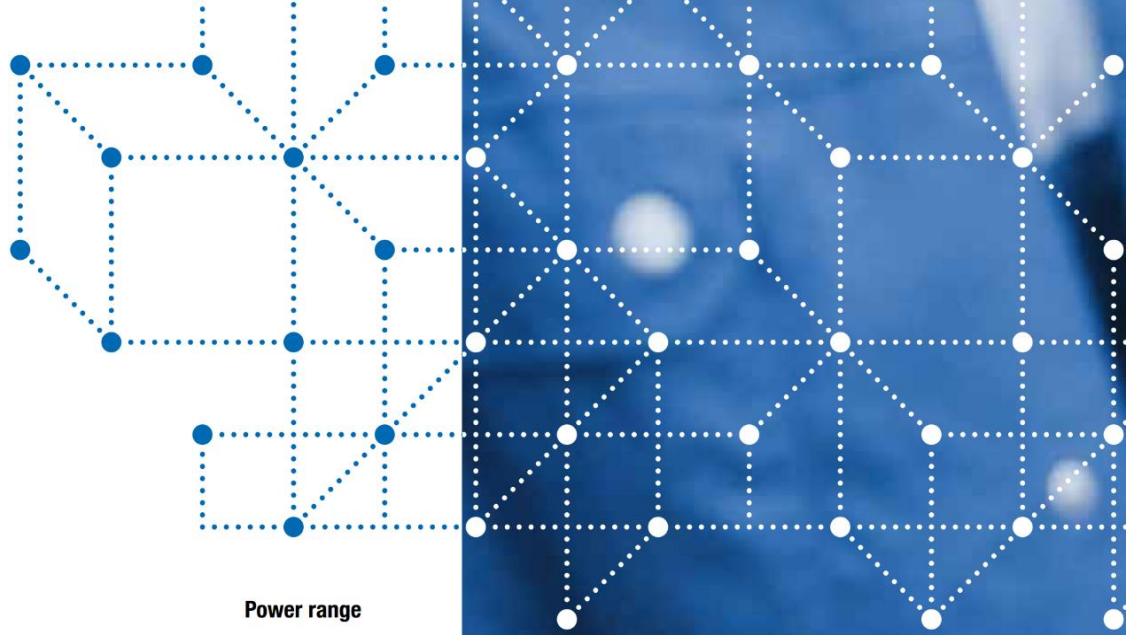
Number of poles: 4-, 6-, 8- up to 72-pole

Permanently excited synchronous motors

Number of poles: 24-, 3-2 up to 36-pole

Torque: 650 kNm





Water technology

Power range

Voltage range: 690 V to 13.8 kV

Frequencies: Mains power and converter operation

Cooling types: air-water or air-air heat exchanger, water jacket cooling also continuous ventilation with filter

Types of construction: IM B3 and IM V1 and modifications

Bearing: rolling or sliding bearing

Asynchronous motors with squirrel-cage rotor 200 – 15 000 kW

Number of poles: 2-, 4-, 6-, 8- up to 32-pole

Asynchronous motors with slip ring rotor with and without KBAV 500 – 15 000 kW

(short-circuit and brush lifting device)

Number of poles: 4-, 6-, 8- up to 16-pole

Synchronous motors with all-pole & salient pole rotor/with brushless and brush excitation 500 – 60 000 kW

Number of poles: 4-, 6-, 8- up to 36-pole

Permanently excited synchronous motors

Number of poles: 24-, 32- up to 36-pole

Torque: 650 kNm

Renewable energies

Power range

Wind power

Cooling types: air-water or air-air heat exchanger, water jacket cooling

Frequencies: 50/60 Hz or for converter operation

Asynchronous generators with squirrel-cage or slip ring rotor (DFIG) 1 500 – 7 000 kVA

Voltage range: 690 V to 6.6 kV

Synchronous generator 1 500 – 7 000 kVA

Voltage range: 690 V to 13.8 kV

Permanently excited synchronous generators 1 500 – 5 000 kVA

Voltage range: 690 V to 10.0 kV

Generators for hydro power plants on request



Shipbuilding

Power range

Asynchronous motors with squirrel-cage rotor for special and auxiliary drives 500–5 000 kW

Voltage range: 400 V to 11 000 V

Frequencies: 50/60 Hz or for converter operation

Number of poles: 4-pole to 12-pole

Cooling types: air-water heat exchanger

Synchronous generators with all-pole or salient pole rotor, brushless or with slip ring 500–30 000 kVA

Voltage range: 400 V to 11 000 V

Number of poles: 4-pole to 14-pole

Cooling types: air-water heat exchanger

Shaft generators (slow running) 480–10 000 kVA/480–10 000 kW

Voltage range: 400 V to 6 600 V

Frequencies: 7 Hz ... 10 Hz ... 20 Hz (at the converter)

Number of poles: 16-pole (24-pole on request)

Asynchronous motors with squirrel-cage rotor as thruster or lateral thruster drives 500–5 000 kW

Voltage range: 400 V to 11 000 V

Frequencies: 50/60 Hz or for converter operation

Number of poles: 4-, 6- or 8-pole

Asynchronous motors with squirrel-cage rotor for propulsion drive 500–15 000 kW

Voltage range: 400 V to 11 000 V for direct drive and 500 V to 4 500 V for converter operation

Number of poles: 4-pole to 24-pole

Synchronous motors for propulsion drive 5 000–30 000 kW

Voltage range: 690 V to 6 600 V for converter operation

Number of poles: 16-pole (6-pole to 24-pole on request)

Traffic engineering

Power range

Traction drives for rail vehicles, electrically driven buses and special vehicles

Three-phase asynchronous traction motors (monorails) up to 125 kW

Three-phase asynchronous traction motors (trams) up to 130 kW

Three-phase asynchronous traction motors (suburban and underground railways) up to 250 kW

Three-phase asynchronous traction motors (multiple units, electric) up to 750 kW

Three-phase asynchronous traction motors (locomotives) up to 1 800 kW

Three-phase asynchronous traction motors (trolley and hybrid buses) up to 250 kW

Three-phase synchronous traction generators (rail vehicles) up to 3 000 kVA

Three-phase asynchronous traction motors (rail vehicles) up to 3 000 kW

Three-phase synchronous PM traction generators (rail vehicles) up to 3 000 kVA

Three-phase synchronous on-board generators (rail vehicles) up to 300 kVA

Three-phase synchronous traction generators (mining trucks) up to 4 000 kVA

List of Projects



Asynchronous motors with slip-ring rotor

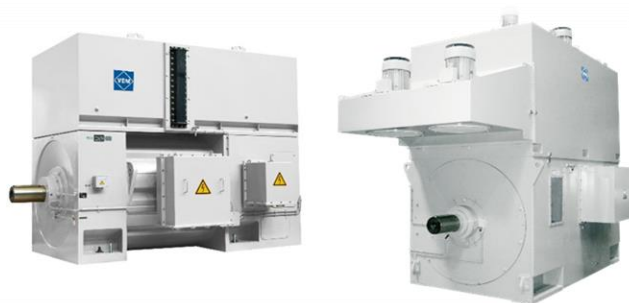
Power range: 250 - 15.000 kW

Number of poles: 4-, 6-, 8 up to 16-pole

Voltage range: 2 kV to 13.8 kV

Frequencies: 50 Hz to 60 Hz, with or without brush-lifting device

Cooling types: air- water or air-air heat exchanger,



type / Typ	power / Leistung	customer / Besteller project driven equipment	quantity / Anzahl	country / Land	year / Jahr
DSSAJ 9030-12WF	3.520,0 kW 6.000 V 497,0 min-1	Electropar S.A. Electropar slip ring 3520KW - Mill	1	Paraguay	12 / 2022
DSRAS 4018-4WF	355,0 kW 11.000 V 1.485,0 min-1	Dangote Cement Plc Dangote_AGT 5017624_replacemen Mill	1	Nigeria	12 / 2022
DSRAJ 4516-6WF	437,0 kW 6.000 V 983,0 min-1	F.L.Smidth A/S AUCC Lybia - FL-Smidth Fan	1	Libya	8 / 2022
DSRAN 5627-6WF	1.000,0 kW 6.300 V 992,0 min-1	Koralle GmbH Inquiry-VEM MOTOR-KHSH - Korall Mill	1	Germany	4 / 2022
DSRAJ 8041-6WG	6.800,0 kW 6.000 V 994,0 min-1	Intercem Cement AG Cimasso II - Intercem Cement A Mill	1	Burkina Faso	4 / 2022
DSRAJ 7146-6WG	5.200,0 kW 6.000 V 993,0 min-1	PJSC IVANO-FRANKIVSKCEMENT Invano-Frankivsk - PJSC Mill	1	Ukraine	3 / 2022
DSRAJ 6323-6WF	1.700,0 kW 6.000 V 993,0 min-1	PJSC IVANO-FRANKIVSKCEMENT Invano-Frankivsk - PJSC Mill	1	Ukraine	2 / 2022
DSRAN 7142-8WG	4.120,0 kW 6.300 V 744,0 min-1	F.L.Smidth A/S Xuan Thang Cement - F.L. Smidt Fan	4	Vietnam	2016 - 2021
DSRAN 7132-6WG	3.800,0 kW 6.300 V 992,0 min-1	F.L.Smidth A/S Xuan Thang Cement - F.L. Smidt Mill	4	Vietnam	2016 - 2021
DSRAN 5621-6WF	1.180,0 kW 6.300 V 989,0 min-1	F.L.Smidth A/S Xuan Thang Cement - F.L. Smidt Fan	4	Vietnam	2016 - 2021
DSRAN 6332-6WG	2.500,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S Xuan Thanh 3 - FLSmidth A/S Crusher	1	Thailand	10 / 2021
DSRAS 6332-6WG	2.250,0 kW 11.000 V 992,0 min-1	CBMI Construction Co., Ltd. Senegal SC3 Project - CBMI Con Crusher	2	Senegal	8 / 2021
DSRAS 6328-6WG	1.800,0 kW 11.000 V 993,0 min-1	CBMI Construction Co., Ltd. Senegal SC3 Project - CBMI Con Crusher	2	Senegal	8 / 2021
DSRAS 6336-6WG	2.600,0 kW 11.000 V 993,0 min-1	CBMI Construction Co., Ltd. Senegal SC3 Project - CBMI Con Mill	3	Senegal	8 / 2021
DSRNS 6332-6WG	2.400,0 kW 11.000 V 993,0 min-1	CBMI Construction Co., Ltd. Senegal SC3 Project - CBMI Con Coal Mill	2	Senegal	8 / 2021

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DSRAS 8037-8WG	4.000,0 kW 11.000 V 744,0 min-1	CBMI Construction Co., Ltd. Senegal SC3 Project - CBMI Con Cement Mill	5	Senegal	7-8 / 2021
DSRAS 4015-4WF	315,0 kW 11.000 V 1.484,0 min-1	Dangote Cement Obajana Plant line 3 - Dangote Kalksteinbrecher	1	Nigeria	7 / 2021
DSRCJ 5023-6WF	630,0 kW 6.000 V 991,0 min-1	VEM motors GmbH Ersatzmotor Mibrag - VEM Motor Conveyor	1	Indonesia	7 / 2021
DSSCN 8031-6WF	3.530,0 kW 6.600 V 994,0 min-1	LES CIMENTS DU SAHEL SA BROYEURS CIMENT - LES CIMENTS Mill	1	Senegal	7 / 2021
DSRAN 5018-8WF	500,0 kW 6.300 V 740,0 min-1	GMI Projects Hamburg GmbH GMI Projects Hamburg - Zisco 5 Crusher	1	Iran	5 / 2021
DSRAJ 5627-6WF	1.400,0 kW 6.000 V 992,0 min-1	VEM MOTORS ASIA PTE LTD Cam Pha Cement - VEM motors As Fan	1	Vietnam	4 / 2021
DSRAS 7136-6WG	4.400,0 kW 10.000 V 993,0 min-1	Acacia Maden isletmeleri Acacia Maden Spare Motor - Aca Mill	1	Turkey	3 / 2021
DSRAS 8046-6WF	6.400,0 kW 11.000 V 995,0 min-1	Interceem Cement AG Cimco SA, Lome Togo - Interceem Mill	1	Togo	2 / 2021
DSCAA 4523-10N	160,0 kW 380 V 593,0 min-1	JSC Arcelor Mittal Temirtau Main Hoist Drive - JSC Arcelor Main hoist drive	3	Russia	12 / 2020
DSRAJ 5023-6WF	710,0 kW 6.000 V 989,0 min-1	CEMEX Ost Zement GmbH Zementwerk Rüdersdorf - Cemex Mill	1	Germany	10 / 2020
DSRAN 8037-6WF	5.600,0 kW 6.300 V 995,0 min-1	CMS Cement Industries Sdn. Bhd Macem/CMS Malaysia - CMS Cemen Mill	1	Malaysia	8 / 2020
DSKAS 7132-6WF	3.100,0 kW 10.000 V 994,0 min-1	OOO SZEMO Tominskoye - OOO Szemo Mill	1	Russia	8 / 2020
DSSAJ 4519-4WF	630,0 kW 6.000 V 1.482,0 min-1	TAKRAF GmbH Ersatzmotor - TAKRAF Conveyor	1	Russia	7 / 2020
DSRAN 7132-6WG	3.800,0 kW 6.300 V 992,0 min-1	VEM MOTORS ASIA PTE LTD Spare motors Linie 2 - Xuan Th Mill	1	Vietnam	6 / 2020
DSRAQ 6329-6WF	2.000,0 kW 6.300 V 994,0 min-1	VEM MOTORS ASIA PTE LTD Spare motors Linie 2 - Xuan Th Crusher	1	Vietnam	6 / 2020
DSRAJ 6323-6WF	1.600,0 kW 6.300 V 993,0 min-1	Dyckerhoff GmbH Korkino Dyckerhoff GmbH Mill	2	Russia	2016 - 2020
DSRAN 5621-6WF	1.180,0 kW 6.300 V 989,0 min-1	VEM MOTORS ASIA PTE LTD Spare motors Linie 2 - Xuan Th Fan	1	Vietnam	6 / 2020
DSRCJ 5621-6WF	900,0 kW 6.000 V 990,0 min-1	MIBRAG mbH Mibrag Motor DSRCJ 5621-6WF -M Conveyor	3	Germany	2017 - 2019
DSRAM 7124-8WF	1.950,0 kW 6.000 V 893,0 min-1	F.L.Smidth A/S Cementos Santiago S.A. - Kuba Mill	1	Cuba	11 / 2019
DSRAM 7142-8WG	4.600,0 kW 6.000 V 893,0 min-1	F.L.Smidth A/S Cementos Santiago S.A. - Kuba Cement Mill	1	Cuba	11 / 2019

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DSRAP 6335-6WG	3.900,0 kW 6.600 V 1.192,0 min-1	Loesche GmbH Pangasinan Line A RM - Loesche Mill	1	Philippines	10 / 2019
DSRAP 7138-8WG	4.000,0 kW 6.600 V 893,0 min-1	Loesche GmbH Pangasinan Line A RM - Loesche Fan	1	Philippines	10 / 2019
DSRAS 5018-6WF	400,0 kW 11.000 V 990,0 min-1	ASHAKACEM PLC, Coal Mill - AshakaCem Fan	1	Nigeria	9 / 2019
DSRAJ 7132-6WF	2.800,0 kW 6.000 V 993,0 min-1	PEACE TRADING AND INVESTMENT Spare motor - Hoa Binh Mill	1	Vietnam	9 / 2019
DBKES 9030-4WE	7.800,0 kW 10.000 V 1.492,0 min-1	Messer Produktionsgesellschaft LZA Speyer - Messer Produktion Compressor	1	Germany	9 / 2019
DSRAM 7124-8WF	2.370,0 kW 6.000 V 894,0 min-1	F.L.Smidth A/S Cementos de Nuevitas - Kuba FL Mill	1	Cuba	9 / 2019
DBKAJ 8033-10WF	3.000,0 kW 6.000 V 594,0 min-1	PRIVATE JOINT STOCK COMPANY Ersatz Motor SevGok - Northern Fan	3	Ukraine	2017 - 2019
DBKAN 6335-6WG	3.500,0 kW 6.300 V 992,0 min-1	RENK GmbH Bestway Cement Karachi - Renk Mill	1	Pakistan	7 / 2019
DSRAN 7142-6WG	4.900,0 kW 6.300 V 993,0 min-1	F.L.Smidth A/S Spare motor D.G. Khan Khaipur Mühlen	1	Pakistan	6 / 2019
DSRAN 4516-6WF	353,0 kW 6.600 V 987,0 min-1	LES CIMENTS DU SAHEL SA Ersatz Kirefa - LES CIMENTS DU Fan	2	Senegal	2016 - 2019
DSRAN 6338-6WG	3.200,0 kW 6.300 V 993,0 min-1	Christian Pfeiffer CP Projekt 77964545 - Christia Mill	2	Turkey	4 / 2019
DSRAF 5018-4WF	933,0 kW 4.160 V 1.785,0 min-1	ACESA-Drives, S.A. DE C.V. Crusher für GCC - Acesa-Drives Crusher	1	Mexico	1 / 2019
DSSAT 9036-8WF	5.250,0 kW 13.800 V 896,0 min-1	Siemens Energy Inc. Fekola Gold Siemens Industry I Mill	4	Mali	2016 - 2018
DSKAS 7132-6WF	2.800,0 kW 11.000 V 994,0 min-1	ARABIAN CEMENT INDUSTRY L.L.C. Spare Motor - Arabian Cement I Mill	1	United Arab Emirates	10 / 2018
DBKAJ 9030-8WF	4.500,0 kW 6.000 V 744,0 min-1	PRIVATE JOINT STOCK COMPANY Ersatz Motor SevGok - Northern Fan	2	Russia	9 / 2018
DSKAS 7132-6WF	3.100,0 kW 10.000 V 994,0 min-1	VEM motors Finland Oy Outotec Tominskoye-VEM Finnlan Mill	3	Russia	2015 - 2018
DSRAJ 7129-6WG	3.900,0 kW 6.000 V 992,0 min-1	Christian Pfeiffer CP Projekt:77964300 - Christia Mill	1	Ukraine	7 / 2018
DSRNN 6323-6WF	1.600,0 kW 6.600 V 993,0 min-1	Nouvelle Cimenterie Du Benin Spare motor-Nouvelle Cimenterie Mill	1	Benin	5 / 2018
DSRAN 6327-6WG	2.155,0 kW 6.300 V 992,0 min-1	F.L.Smidth A/S Power Cement (Pakistan) - FLSm Fan	2	Pakistan	2-4 / 2018
DSRAJ 8037-6WF	6.200,0 kW 6.000 V 994,0 min-1	Loesche GmbH P12781/HOANG THACH CL-Loesche Mill	1	Vietnam	3 / 2018

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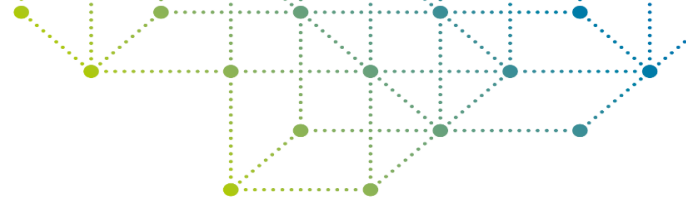
DSRAJ 7125-6WG	2.900,0 kW 6.000 V 992,0 min-1	Loesche GmbH P12781/HOANG THACH CL-Loesche Fan	1	Vietnam	3 / 2018
DSRAQ 6323-6WF	1.500,0 kW 6.300 V 994,0 min-1	F.L.Smith A/S Power Cement (Pakistan) - FLSm Crusher	1	Vietnam	2 / 2018
DSRAN 7146-8WG	4.500,0 kW 6.300 V 744,0 min-1	F.L.Smith A/S Power Cement (Pakistan) - FLSm Fan	1	Pakistan	2 / 2018
DSRAN 7138-6WG	4.800,0 kW 6.300 V 992,0 min-1	F.L.Smith A/S Power Cement (Pakistan) - FLSm Mill	1	Pakistan	2 / 2018
DSRAN 7138-6WG	4.600,0 kW 6.300 V 993,0 min-1	F.L.Smith A/S Power Cement (Pakistan) - FLSm Cement Mill	2	Pakistan	2 / 2018
DSSAN 7142-6WG	4.600,0 kW 6.300 V 994,0 min-1	Maple Leaf Cement Factory Ltd Maple Leaf-23049 GCD - Maple L Mill	1	Pakistan	1 / 2018
DSRAS 5023-6WF	780,0 kW 11.000 V 991,0 min-1	Dangote Cement Obajana Plant Line 3- Dangote Fan	1	Nigeria	1 / 2018
DSRAL 5627-6WF	1.400,0 kW 6.000 V 991,0 min-1	F.L.Smith A/S Sebryakov 7(Russland) FLSmidth Crusher	1	Russia	12 / 2017
DSRAJ 5621-6WF	900,0 kW 6.000 V 992,0 min-1	FLSMIDTH INC. Fancesa - FLS Crusher	1	Bolivia	12 / 2017
DSRAJ 6323-6WF	1.600,0 kW 6.000 V 993,0 min-1	FLSMIDTH INC. Fancesa - FLS Mill	1	Bolivia	11 / 2017
DSRAJ 6323-6WF	1.500,0 kW 6.000 V 993,0 min-1	FLSMIDTH INC. Fancesa - FLS Fan	1	Bolivia	11 / 2017
DSRAJ 7122-6WF	2.350,0 kW 6.000 V 993,0 min-1	FLSMIDTH INC. Fancesa - FLS Mill	1	Bolivia	11 / 2017
DSRAJ 6323-6WF	1.450,0 kW 6.000 V 994,0 min-1	FLSMIDTH INC. Fancesa - FLS Fan	1	Bolivia	11 / 2017
DSSAS 8030-6WF	3.740,0 kW 11.000 V 994,0 min-1	PT Indocement Tunggal Prakarsa Tbk. Spare Motor CO60135 - PT Indoc Mill	1	Indonesia	11 / 2017
DSSAS 8046-6WF	5.600,0 kW 11.000 V 995,0 min-1	PT Indocement Tunggal Prakarsa Tbk. Spare Motor CO60136 - PT Indoc Mill	1	Indonesia	11 / 2017
DSRAJ 6327-6WG	2.400,0 kW 6.000 V 992,0 min-1	HeidelbergCement AG Burglengenfeld Heidelberg Ceme Mill	2	Germany	10 / 2017
DSSAN 7129-6WG	3.750,0 kW 6.300 V 991,0 min-1	F.L.Smith A/S Lucky Cement - FLSmidth Mill	1	Pakistan	8 / 2017
DSRAN 6323-6WF	1.650,0 kW 6.300 V 993,0 min-1	F.L.Smith A/S Lucky Cement - FLSmidth Fan	1	Pakistan	8 / 2017
DSRAJ 7146-6WG	5.200,0 kW 6.000 V 993,0 min-1	Christian Pfeiffer Ivano - Christian Pfeiffer Mill	2	Ukraine	4-8 / 2017
DSRAS 7136-6WG	4.400,0 kW 10.000 V 993,0 min-1	VEM motors Finland Oy Acacia Maden Turkey - VEM moto Mill	1	Turkey	8 / 2017

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DSRCN 7132-6WF	2.500,0 kW 6.300 V 993,0 min-1	BESTWAY CEMENT LIMITED Replace SPI NO.1027 - Bestway Mill	1	Pakistan	7 / 2017
DSRAN 5023-6WF	800,0 kW 6.300 V 991,0 min-1	NORM LLC Spare Motor Norm LLC Crusher	1	Azerbaijan	5 / 2017
DSSAN 8037-6WF	4.500,0 kW 6.300 V 994,0 min-1	NORM LLC Spare Motor Norm LLC Mill	1	Azerbaijan	5 / 2017
DSSCN 1034-8WF	6.300,0 kW 6.300 V 746,0 min-1	NORM LLC Spare Motor Norm LLC Mill	1	Azerbaijan	5 / 2017
DSRAN 7138-8WG	3.600,0 kW 6.300 V 743,0 min-1	F.L.Smidth A/S Tan Thang - FLSmidth A/S Fan	1	Vietnam	4 / 2017
DSRCN 7129-6WG	3.660,0 kW 6.300 V 991,0 min-1	F.L.Smidth A/S Tan Thang - FLSmidth A/S Mill	1	Vietnam	4 / 2017
DSRAJ 7132-6WG	4.000,0 kW 6.000 V 992,0 min-1	SSV TRADING L.P. Projekt SSV Trading LP- SSV Tr Mill	1	Kazakhstan	4 / 2017
DSRAN 7135-6WF	3.150,0 kW 6.300 V 994,0 min-1	SPA S.P.C.C PRODUCTION ET Ersatzmotor Spa S.P.C.C. Mill	1	Algeria	1 / 2017
DSSAF 8036-6WF	4.250,0 kW 4.160 V 1.195,0 min-1	ACESA-Drives, S.A. DE C.V. Cementos Fortaleza - Acesa-Dri Mill	1	Mexico	12 / 2016
DSRAU 6329-6WF	1.605,0 kW 11.000 V 995,0 min-1	F.L.Smidth A/S EL Beida (Algeria) FLSmidth A/ Crusher	1	Algeria	12 / 2016
DSRAS 8041-8WF	4.315,0 kW 11.000 V 746,0 min-1	F.L.Smidth A/S EL Beida (Algeria) FLSmidth A/ Fan	1	Algeria	12 / 2016
DSRAS 7146-6WG	4.300,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S EL Beida (Algeria) FLSmidth A/ Mill	1	Algeria	12 / 2016
DSRAS 6329-6WF	1.950,0 kW 11.000 V 993,0 min-1	F.L.Smidth A/S EL Beida (Algeria) FLSmidth A/ Fan	2	Algeria	12 / 2016
DSRAS 7138-6WG	3.750,0 kW 11.000 V 993,0 min-1	F.L.Smidth A/S EL Beida (Algeria) FLSmidth A/ Cement Mill	2	Algeria	12 / 2016
DSRAS 4018-4WF	355,0 kW 11.000 V 1.485,0 min-1	Dangote Cement Obajan Plant Line 3 - Dangote Crusher	1	Nigeria	12 / 2016
DSRAJ 7142-6WG	5.100,0 kW 6.300 V 993,0 min-1	Loesche GmbH Bim Son Vietnam - Lösche GmbH Mill	1	Vietnam	11 / 2016
DSRAJ 7127-6WF	2.550,0 kW 6.300 V 993,0 min-1	Loesche GmbH Bim Son Vietnam - Lösche GmbH Fan	1	Vietnam	11 / 2016
DSSAT 9036-8WF	4.220,0 kW 13.800 V 895,0 min-1	Technical and Industrial Services TISCO / Ersatzmotor Hail Cemen Mill	1	Saudi Arabia	10 / 2016
DSRAQ 6329-6WF	2.000,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S Xuan Thang Cement - F.L. Smidt Crusher	1	Vietnam	9 / 2016
DSRAQ 6323-6WF	1.400,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S Xuan Thang Cement - F.L. Smidt Crusher	1	Vietnam	9 / 2016

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DSRAJ 3513-4WF	200,0 kW 6.000 V 1.468,0 min-1	VEM Pars motors Co. Factory Ersatzmotor VEM Pars Crusher	1	Iran	6 / 2016
DSRCN 7132-6WF	2.500,0 kW 6.600 V 994,0 min-1	LES CIMENTS DU SAHEL SA Ersatz Kirefa - LES CIMENTS DU Mill	1	Senegal	3 / 2016
DSRAS 8028-8WF	2.500,0 kW 11.000 V 744,0 min-1	F.L.Smidth A/S Qena Coal & Cement - FLSmidth Fan	1	Egypt	2 / 2016
DSRAS 8046-6WF	6.000,0 kW 11.000 V 996,0 min-1	F.L.Smidth A/S Qena Coal & Cement - FLSmidth Mill	1	Egypt	2 / 2016
DSRAN 8036-6WF	3.600,0 kW 6.300 V 994,0 min-1	VEM Pars motors Co. Factory Momtazan Cement - VEM Pars Mot Mill	1	Iran	2 / 2016
DSRCN 7132-6WF	1.600,0 kW 6.600 V 994,0 min-1	EUROPA ABRA Sociedad Contractual Minera El Conveyor	4	Chile	2014 - 2015
DSRAU 5627-6WF	1.000,0 kW 11.000 V 993,0 min-1	F.L.Smidth A/S Nyumba Ya Akira - FLSmidth A/S Crusher	1	Republic of the Congo	8 / 2015
DSRAN 4519-4WF	710,0 kW 6.300 V 1.483,0 min-1	Üstypyi Insaat ve Madencilik A.S. Kavcim - Üstypyi Insaat Crusher	4	Turkey	7 / 2015
DSRAN 7124-8WF	2.000,0 kW 6.300 V 744,0 min-1	Üstypyi Insaat ve Madencilik A.S. Kavcim - Üstypyi Insaat Fan	1	Turkey	7 / 2015
DSRAN 7132-6WG	4.000,0 kW 6.300 V 992,0 min-1	Üstypyi Insaat ve Madencilik A.S. Kavcim - Üstypyi Insaat Mill	1	Turkey	7 / 2015
DSRAN 5018-6WF	630,0 kW 6.300 V 988,0 min-1	Üstypyi Insaat ve Madencilik A.S. Kavcim - Üstypyi Insaat Mill	1	Turkey	7 / 2015
DSRAN 6323-6WF	1.400,0 kW 6.300 V 993,0 min-1	Üstypyi Insaat ve Madencilik A.S. Kavcim - Üstypyi Insaat Mill	5	Turkey	7 / 2015
DSRAN 5627-6WF	1.400,0 kW 6.300 V 992,0 min-1	Üstypyi Insaat ve Madencilik A.S. Kavcim - Üstypyi Insaat Fan	1	Turkey	7 / 2015
DSRAS 8027-6WF	3.750,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Nyumba Ya Akira - FLSmidth A/S Mill	1	Republic of the Congo	7 / 2015
DSRAS 6329-6WF	1.650,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Nyumba Ya Akira - FLSmidth A/S Fan	1	Republic of the Congo	6 / 2015
DSRAS 6329-6WF	1.690,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Nyumba Ya Akira - FLSmidth A/S Fan	1	Republic of the Congo	6 / 2015
DSRAS 7127-6WF	2.160,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Nyumba Ya Akira - FLSmidth A/S Mill	1	Republic of the Congo	6 / 2015
DSRAJ 6323-6WF	1.700,0 kW 6.000 V 993,0 min-1	Christian Pfeiffer Mill Motor Ivano - Chr. Pfeiff Mill	1	Russia	6 / 2015
DSRAN 8037-6WF	5.600,0 kW 6.300 V 995,0 min-1	Siemens AG Macem/ CMS Malaysia - Siemens Mill	1	Malaysia	3 / 2015
DSRAS 5023-6WF	710,0 kW 10.000 V 990,0 min-1	F.L.Smidth A/S TULA- FLSmidth A/S Crusher	1	Russia	2 / 2015

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DSRCN 6329-6WF	2.000,0 kW 6.000 V 993,0 min-1	ThyssenKrupp Resource Technologies Vostochny - ThyssenKrupp Conveyor	15	Kazakhstan	8-10 / 2014
DSRCN 5627-6WF	1.000,0 kW 6.000 V 992,0 min-1	ThyssenKrupp Resource Technologies Vostochny - ThyssenKrupp Conveyor	1	Russia	8 / 2014
DSSAN 9036-10WF	4.200,0 kW 6.300 V 596,0 min-1	ELPRO JLT Darab-Elpro JLT Mill	1	Iran	8 / 2014
DSRAS 7135-6WF	2.900,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Akoga - FLSmidth A/S Mill	1	Equatorial Guinea	7 / 2014
DSRAS 7127-6WF	2.400,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Akoga - FLSmidth A/S Fan	1	Equatorial Guinea	7 / 2014
DSRAS 8030-6WF	3.750,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Akoga - FLSmidth A/S Mill	1	Equatorial Guinea	7 / 2014
DSRAS 6329-6WF	1.720,0 kW 11.000 V 992,0 min-1	F.L.Smidth A/S Akoga - FLSmidth A/S Fan	1	Equatorial Guinea	7 / 2014
DSRAN 7132-6WF	2.580,0 kW 6.300 V 993,0 min-1	F.L.Smidth A/S Abyek - FLSmidth Fan	1	Iran	7 / 2014
DSRAN 8033-6WF	4.600,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S Abyek - FLSmidth Mill	1	Iran	7 / 2014
DSRAN 6323-6WF,	1.400,0 kW 6.600 V 994,0 min-1	ThyssenKrupp Recource Indocement - Thyssen Resource Crusher	2	Indonesia	7 / 2014
DSRAJ 8037-8WF	5.000,0 kW 6.000 V 742,0 min-1	ZAO Metallurgkomplektoborudovanie ZAO "Metallurgkomplektoborudov Mill	2	Russia	5 / 2014
DSRAJ 8027-6WF	3.600,0 kW 6.000 V 994,0 min-1	Christian Pfeiffer Mühlenmotor Ivano - Chr. Pfeif Mill	1	Russia	5 / 2014
DSSAU 6323-6WF	1.250,0 kW 10.000 V 994,0 min-1	VEM motors GmbH Thyssen Krupp - VEM motors Gmb Crusher	2	Russia	4 / 2014
DSRAU 5627-6WF	955,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S EDO Cement - FLSmidth A/S Crusher	1	Nigeria	12 / 2013
DSRAL 4018-4WF	430,0 kW 6.000 V 1.483,0 min-1	F.L.Smidth A/S Sebryakov - F.L. Smidth A/S Crusher	2	Russia	2012 - 2013
DSSAJ 5627-6WF	1.400,0 kW 6.000 V 992,0 min-1	F.L.Smidth A/S Ersatz Sebryakov - FL Smidth A Crusher	1	Russia	12 / 2013
DSRNN 6323-6WF	1.600,0 kW 6.600 V 993,0 min-1	DEG (HK) Automation DEG(HK) Automation & Drives Co Mill	1	Benin	10 / 2013
DSRAN 8036-6WF	3.600,0 kW 6.300 V 994,0 min-1	Engineering And Services EASE Engineering and Service T Mill	1	Egypt	9 / 2013
DSRAN 9040-6WF	5.800,0 kW 6.300 V 994,0 min-1	Elpro GmbH Ersatz Saman Gharb Mill	1	Iran	9 / 2013
DSRAJ 5018-6WF	710,0 kW 6.000 V 988,0 min-1	OJSC "Kovdorsky GOK" OJSC "Kovdorsky GOK"	1	Russia	8 / 2013

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DSRAN 7135-6WF	2.950,0 kW 6.300 V 995,0 min-1	Elpro GmbH Kordestan Cement-Elpro GmbH Mill	1	Iran	7 / 2013
DSRAJ 8036-6	4.200,0 kW 6.000 V 995,0 min-1	Gorazdze Cement S.A. Gorazdze Cement Mill	1	Poland	5 / 2013
DSRAN 5627-6WF	1.250,0 kW 6.300 V 992,0 min-1	JSC Voskresenskcement Voskresenescement - Lafarge Ce Mill	1	Russia	5 / 2013
DSSAJ 4519-4WF	630,0 kW 6.000 V 1.481,0 min-1	W.SCHNEIDER IMPORT/EXPORT W. Schneider Import/Export e.K Conveyor	2	Russia	3 / 2013
DSSAJ 4519-4WF	630,0 kW 6.000 V 1.481,0 min-1	TAKRAF GmbH Ersatzmotor TAKRAF Conveyor	2	Russia	3 / 2013
DBKAJ 8033-10WF	3.000,0 kW 6.000 V 594,0 min-1	OOO "Deutsche Industrivertretung" Deutsche Industrivertretung Fan	1	Ukraine	3 / 2013
DSRAJ 4015-6WF	280,0 kW 6.000 V 977,0 min-1	OJSC "Kovdorsky GOK" OJSC "Kovdorsky GOK" Conveyor	1	Russia	2 / 2013
DSRAJ 6323-6WF	1.600,0 kW 6.000 V 993,0 min-1	VEM motors GmbH Romcif - VEM motors Mill	1	Romania	2 / 2013
DSRAN 7132-6WF	2.400,0 kW 6.300 V 993,0 min-1	Elpro GmbH Dashtestan Cement Co. - Elpro Fan	1	Iran	2 / 2013
DSRAN 6323-6WF	1.300,0 kW 6.300 V 993,0 min-1	Elpro GmbH Dashtestan Cement Co. - Elpro Crusher	1	Iran	2 / 2013
DSRAS 7135-6WF	2.900,0 kW 10.000 V 994,0 min-1	F.L.Smidth A/S Kaluzhsky, Russland - FLS Mill	2	Russia	1 / 2013
DSRAS 7135-6WF	3.000,0 kW 10.000 V 994,0 min-1	F.L.Smidth A/S Kaluzhsky, Russland - FLS Fan	2	Russia	1 / 2013
DSRAS 8037-6WF	4.600,0 kW 10.000 V 994,0 min-1	F.L.Smidth A/S Kaluzhsky, Russland - FLS Mill	3	Russia	1 / 2013
DSRAS 7132-6WF	2.500,0 kW 10.000 V 994,0 min-1	F.L.Smidth A/S Kaluzhsky, Russland - FLS Fan	3	Russia	1 / 2013
DSRAJ 5627-6WF	1.400,0 kW 6.000 V 992,0 min-1	F.L.Smidth A/S Sebryakov Cement - FLS Crusher	1	Russia	12 / 2012
DSRAS 8027-6WF	3.350,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S EDO - Cement Nigeria - FLS Mill	1	Nigeria	10 / 2012
DSRAS 7135-6WF	3.100,0 kW 11.000 V 993,0 min-1	F.L.Smidth A/S EDO - Cement Nigeria - FLS Fan	1	Nigeria	10 / 2012
DSRAS 1038-6WF	7.460,0 kW 11.000 V 995,0 min-1	F.L.Smidth A/S EDO - Cement Nigeria - FLS Mill	2	Nigeria	10 / 2012
DSRAN 5627-4WF	1.250,0 kW 6.600 V 1.492,0 min-1	CEMTEC Cement & Mining SIAM - Cemtec GmbH Mill	1	Thailand	7 / 2012
DSSAT 1044-6WF	8.000,0 kW 13.800 V 1.194,0 min-1	Siemens AG Österreich RCC Ersatzmotor - Siemens AG L Mill	1	Saudi Arabia	6 / 2012

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DBRAN 6323-6WF	1.550,0 kW 6.300 V 993,0 min-1	Yulika Trading Company Limited Yulika Trading Company Ltd. Pump	4	Syria	5 / 2012
DSRAJ 6329-6WF	2.200,0 kW 6.000 V 993,0 min-1	Lafarge Cement S.A. Lafarge Cement S.A. Mill	1	Poland	4 / 2012
DSRAN 7132-6WF	2.510,0 kW 6.300 V 993,0 min-1	Elpro GmbH Bushehr - Elpro GmbH Mill	1	Iran	4 / 2012
DSSAN 6323-6WF	1.100,0 kW 6.300 V 994,0 min-1	Elpro GmbH Saman Gharb - ELPRO GmbH Crusher	1	Iran	3 / 2012
DSRAN 7132-6WF	2.800,0 kW 6.300 V 993,0 min-1	Elpro GmbH Saman Gharb - ELPRO GmbH Fan	1	Iran	3 / 2012
DSRAN 4516-6WF	380,0 kW 6.300 V 984,0 min-1	Elpro GmbH Saman Gharb - ELPRO GmbH Fan	1	Iran	3 / 2012
DSRAJ 8037-6WF	5.350,0 kW 6.000 V 994,0 min-1	F.L.Smidth A/S Proletariy - FL Smidth A/S Mill	1	Russia	3 / 2012
DSRAJ 8030-6WF	4.600,0 kW 6.000 V 993,0 min-1	F.L.Smidth A/S Proletariy - FL Smidth A/S Cement Mill	1	Russia	3 / 2012
DSRAL 5621-4WF	1.400,0 kW 6.000 V 1.491,0 min-1	F.L.Smidth A/S Sebryakov - F.L. Smidth A/S Crusher	1	Russia	2 / 2012
DSRCN 7132-6WF	2.750,0 kW 6.300 V 993,0 min-1	Elpro GmbH ZW Kordestan ELPRO Mill	1	Iran	1 / 2012
DSRCN 8031-6WF	3.280,0 kW 6.300 V 995,0 min-1	Elpro GmbH Saman Gharb - ELPRO GmbH Mill	1	Iran	1 / 2012
DSSAJ 1044-6WF	7.600,0 kW 6.000 V 995,0 min-1	SIEMENS AG I AC 2232 Cong Thanh - Siemens Erlangen Mill	1	Vietnam	11 / 2011
DSSAJ 1044-6WF	7.300,0 kW 6.000 V 995,0 min-1	SIEMENS AG I AC 2232 Cong Thanh - Siemens Erlangen Cement Mill	1	Vietnam	11 / 2011
DSRAJ 6323-6WF	1.600,0 kW 6.000 V 993,0 min-1	SIEMENS AG I AC 2232 Cong Thanh - Siemens Erlangen Coal Mill	1	Vietnam	11 / 2011
DSSAJ 1040-8WF	7.600,0 kW 6.000 V 746,0 min-1	SIEMENS AG I AC 2232 Cong Thanh-Siemens Erlangen Fan	1	Vietnam	11 / 2011
DSRAJ 5627-6WF	1.400,0 kW 6.000 V 992,0 min-1	SIEMENS AG I AC 2232 Cong Thanh-Siemens Erlangen Coal Mill	1	Vietnam	11 / 2011
DSRAL 7122-6WF	2.200,0 kW 6.000 V 993,0 min-1	SIEMENS AG I AC 2232 Cong Thanh-Siemens Erlangen Crusher	1	Vietnam	11 / 2011
DSRAS 4516-4WF	360,0 kW 11.000 V 1.484,0 min-1	ASHAKACEM PLC, ASHAKACEM Fan	1	Nigeria	11 / 2011
DBKAJ 9030-8WF	4.500,0 kW 6.000 V 744,0 min-1	OOO "Deutsche Industrievertretung" SEVGOK - DIV Fan	1		11 / 2011
DSSAJ 9040-6WF	6.500,0 kW 6.000 V 995,0 min-1	Christian Pfeiffer Mordow III - Christian Pfeiffe Mill	2	Russia	10 / 2011

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DSKEJ 6326-4WE	2.750,0 kW 6.000 V 1.490,0 min-1	Aurubis AG Aurubis AG Fan	1	Germany	9 / 2011
DSRCN 7132-6WF	1.600,0 kW 6.600 V 994,0 min-1	EUROPA ABRA EL ABRA Conveyor	3		2007 - 2011
DSRAS 1038-6WF	6.750,0 kW 11.000 V 994,0 min-1	Lafarge Emirates Cement LLC EMCC - Emirates Cement LLC Fan	1		3 / 2011
DSRAS 9040-6WF	6.060,0 kW 11.000 V 994,0 min-1	Lafarge Emirates Cement LLC EMCC - Emirates Cement LLC Mill	1		3 / 2011
DSRAS 1038-6WF	7.675,0 kW 11.000 V 995,0 min-1	Lafarge Emirates Cement LLC EMCC - Emirates Cement LLC Mill	1		3 / 2011
DSSAJ 4519-4WF	630,0 kW 6.000 V 1.481,0 min-1	W.SCHNEIDER IMPORT/EXPORT Ersatzmaschine - W. Schneider Conveyor	3		2010 - 2011
DSEAJ 4519-8WF	450,0 kW 6.000 V 740,0 min-1	VATTENFALL EUROPE Mining AG Schwarze Pumpe - Vattenfall Mi Hoist	3		2 / 2011
DSRAJ 4519-	450,0 kW 6.000 V 986,0 min-1	ThyssenKrupp Recource ThyssenKrupp Fördertechnik Fan	2		2 / 2011
DSRAL 6323-6WF	1.400,0 kW 6.000 V 994,0 min-1	F.L.Smidth A/S Ersatz AUCCI I - FLS Crusher	2		2010 - 2011
DSRAJ 7122-6WF	2.200,0 kW 6.000 V 994,0 min-1	F.L.Smidth A/S Nalout - FLS Mill	1		2 / 2011
DSRAJ 7127-6WF	2.500,0 kW 6.000 V 992,0 min-1	F.L.Smidth A/S Nalout - FLS Fan	1		2 / 2011
DSRAJ 9034-6WF	5.000,0 kW 6.000 V	F.L.Smidth A/S Nalout - FLS Cement Mill	2		2 / 2011
DSRAJ 4519-6WF	510,0 kW 6.000 V 987,0 min-1	F.L.Smidth A/S Nalout - FLS Fan	2		2 / 2011
DSRAJ 6323-6WF	1.600,0 kW 6.300 V 993,0 min-1	ITC GmbH Ersatz Uralcement - ITC Alfeld Mill	1		2 / 2011
DSRAS 4516-4WF	360,0 kW 11.000 V 1.484,0 min-1	ASHAKACEM PLC, ASHAKACEM Fan	1		2 / 2011
DSRAS 5018-6WF	400,0 kW 11.000 V 990,0 min-1	ASHAKACEM PLC, ASHAKACEM Fan	1		2 / 2011
DSRAJ 5627-6WF	1.400,0 kW 6.000 V 992,0 min-1	F.L.Smidth A/S Sebryakov - FLS Crusher	1		12 / 2010
DSRAJ 7122-6WF	2.350,0 kW 6.000 V 993,0 min-1	F.L.Smidth A/S Zlatna - FLS Mill	1		11 / 2010
DSRAJ 8036-6WF	4.200,0 kW 6.000 V 995,0 min-1	Christian Pfeiffer Gorazdze - CPB Mill	2		11 / 2010
DSRAJ 3513-4WF	200,0 kW 6.000 V 1.468,0 min-1	DR.PETER WALLNER DANUBIAN Dr. Peter Wallner Daubian Crusher	1		10 / 2010

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DSRAU 5627-6WF	1.120,0 kW 11.000 V 992,0 min-1	Lafarge Emirates Cement LLC EMCC - Emirates Cement LLC Crusher	1	8 / 2010
DSSAN 6323-6WF	1.400,0 kW 6.300 V 993,0 min-1	CIMKO CIMENTO VE BETON SANAYI Ersatzmotor - Cimko Cimento Crusher	1	8 / 2010
DSKEJ 6326-4WE	2.750,0 kW 6.000 V 1.490,0 min-1	Aurubis AG Aurubis AG Fan	1	8 / 2010
DSRAE 6329-6WF	2.000,0 kW 5.500 V 994,0 min-1	CIMENTS DU MAROC Marocco - Italcementi Mill	1	7 / 2010
DSRAJ 7127-6WF	2.200,0 kW 6.000 V 993,0 min-1	F.L.Smidth A/S Ersatz AUCCI I - FLS Mill	1	5 / 2010
DSRAJ 7127-6WF	2.500,0 kW 6.000 V 991,0 min-1	F.L.Smidth A/S Ersatz AUCCI I - FLS Fan	1	5 / 2010
DSSAN 7132-6WF	2.700,0 kW 6.600 V 992,0 min-1	CIMENT OF MAURITANIA Ciment de Mauritanie SA Mill	1	5 / 2010
DBRAN 5023-6WF	920,0 kW 6.300 V 990,0 min-1	LENKER GmbH Furat 2 - LENKER Pump	3	5 / 2010
DSRCS 8036-6WF	3.500,0 kW 11.000 V 995,0 min-1	ThyssenKrupp Industrial KRIMFA - Polysius Mill	2	1-4 / 2010
DSRAS 9040-6WF	6.800,0 kW 11.000 V 994,0 min-1	ThyssenKrupp Industrial KRIMFA - Polysius Mill	4	1-4 / 2010
DSRAS 9034-6WF	4.170,0 kW 11.000 V 994,0 min-1	ThyssenKrupp Industrial KRIMFA - Polysius Fan	2	1-4 / 2010
DSSAJ 9034-6WF	4.720,0 kW 6.000 V 994,0 min-1	F.L.Smidth A/S Ersatz AUCCI I - FLS Mill	1	4 / 2010
DSRCJ 7122-6WF	1.600,0 kW 6.000 V 993,0 min-1	VATTENFALL EUROPE Mining AG Schwarze Pumpe - Vattenfall Conveyor	1	4 / 2010
DSRCN 7135-6WF	3.200,0 kW 6.600 V 993,0 min-1	ThyssenKrupp Industrial Ha Tien - Polysius Mill	1	2 / 2010
DSRAN 7132-6WF	2.832,0 kW 6.600 V 993,0 min-1	ThyssenKrupp Industrial Ha Tien - Polysius Fan	1	2 / 2010
DSRAN 4516-4WF	495,0 kW 6.600 V 1.482,0 min-1	ThyssenKrupp Industrial Ha Tien - Polysius Fan	1	2 / 2010
DSRNN 5023-6WF	750,0 kW 6.600 V 991,0 min-1	ThyssenKrupp Industrial Ha Tien - Polysius Mill	1	2 / 2010
DSRAU 6329-6WF	1.600,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Sumbe/Angola - FLS Crusher	1	2 / 2010
DSRAU 4519-6WF	355,0 kW 11.000 V 989,0 min-1	F.L.Smidth A/S Sumbe/Angola - FLS Crusher	1	2 / 2010
DSRAS 7135-6WF	2.900,0 kW 11.000 V 993,0 min-1	F.L.Smidth A/S Sumbe/Angola - FLS Mill	1	2 / 2010

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DSRAS 7127-6WF	2.300,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Sumbe/Angola - FLS Fan	1	2 / 2010
DSRAS 8036-6WF	4.100,0 kW 11.000 V 995,0 min-1	F.L.Smidth A/S Sumbe/Angola - FLS Cement Mill	2	2 / 2010
DSRAJ 4018-6WF	315,0 kW 6.000 V 981,0 min-1	ABB Automation GmbH BAGGER SchRs1200 TROJANOWO Conveyor	5	1 / 2010
DSRAU 5621-6WF	900,0 kW 11.000 V 992,0 min-1	ThyssenKrupp Industrial KRIMFA - Polysius Crusher	2	1 / 2010
DSRNS 5018-4WF	885,0 kW 11.000 V 1.480,0 min-1	ThyssenKrupp Industrial KRIMFA - Polysius Fan	1	1 / 2010
DSRAU 7127-6WF	2.000,0 kW 10.000 V 993,0 min-1	F.L.Smidth A/S Akbulak-FLS Crusher	2	12 / 2009
DSRAL 6329-6WF	2.000,0 kW 6.000 V 993,0 min-1	F.L.Smidth A/S Volyn-FLS Crusher	2	12 / 2009
DSRAJ 5018-6WF	710,0 kW 6.000 V 988,0 min-1	TAKRAF GmbH TAKRAF Conveyor	4	10 / 2009
DSRAS 6329-6WF	2.000,0 kW 10.000 V 994,0 min-1	F.L.Smidth A/S Podgorensky - FLS Crusher	3	3-8 / 2009
DSRAU 4516-6WF	315,0 kW 10.000 V 987,0 min-1	F.L.Smidth A/S Kursk - FLS Crusher	1	8 / 2009
DSRAS 9034-6WF	4.400,0 kW 10.000 V 995,0 min-1	F.L.Smidth A/S Kursk - FLS Mill	2	8 / 2009
DSRAS 5018-6WF	560,0 kW 10.000 V 989,0 min-1	F.L.Smidth A/S Kursk - FLS Fan	2	8 / 2009
DSRAP 7129-8WF	2.300,0 kW 6.000 V 894,0 min-1	Siemens AG Sangwon Cem NordKorea - storno Fan	2	7 / 2009
DSRCS 7127-6WF	2.000,0 kW 10.000 V 993,0 min-1	PJSC Sukholozhskcement PJSC Sukholozhstocement Mill	4	6 / 2009
DSRAJ 9034-6WF	5.300,0 kW 6.000 V 994,0 min-1	Siemens AG Automation and Drives CBMI Titan Albania- Siemens Nb Mill	1	4 / 2009
DSRAS 1038-6WF	7.000,0 kW 10.000 V 995,0 min-1	F.L.Smidth A/S Podgorensky - FLS Mill	2	4 / 2009
DSRAE 6323-6WF	1.750,0 kW 5.000 V 994,0 min-1	ITALCEMENTI S.p.A. Matera Cement Plant Mill	2	3 / 2009
DSRCS 5627-6WF	1.320,0 kW 10.000 V 992,0 min-1	F.L.Smidth A/S Podgorensky - FLS Mill	1	3 / 2009
DSRAS 5023-6WF	765,0 kW 10.000 V 989,0 min-1	F.L.Smidth A/S Podgorensky - FLS Fan	2	3 / 2009
DSSAJ 9040-6WF	6.500,0 kW 6.000 V 995,0 min-1	Christian Pfeiffer Cemtex - Christian Pfeiffer Mill	3	3 / 2009

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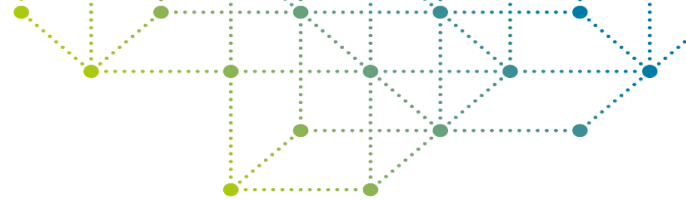
DSRAN 4516-6WF	440,0 kW 6.300 V 983,0 min-1	F.L.Smidth A/S AL Takamol - FLS Fan, M~n2, min 25% Anlaufmom.	2	2 / 2009
DSRAQ 5627-6WF	1.180,0 kW 6.300 V 993,0 min-1	F.L.Smidth A/S AL Takamol - FLS Crusher	1	2 / 2009
DSSEJ 1047-10WE	6.800,0 kW 6.000 V 596,0 min-1	VAN VIET Industry Equipment & Technology Hoang Tach - VAVITIC Mill	1	2 / 2009
DSSAJ 4519-4WF	630,0 kW 6.000 V 1.481,0 min-1	OOO"NPO Technika OOO NPO Technika Conveyor	1	1 / 2009
DSSCJ 4519-4WF	630,0 kW 6.000 V 1.481,0 min-1	OOO"NPO Technika OOO NPO Technika Conveyor	2	1 / 2009
DSRAN 7132-6WF	2.380,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S AL Takamol - FLS Mill	1	1 / 2009
DSRAN 8031-6WF	2.900,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S AL Takamol - FLS Fan	1	1 / 2009
DSRAN 9034-6WF	4.720,0 kW 6.300 V 995,0 min-1	F.L.Smidth A/S AL Takamol - FLS Mill	2	1 / 2009
DSRAE 6329-6WF	2.000,0 kW 5.500 V 994,0 min-1	ThyssenKrupp Recource Thyssen Krupp Ennigerloh Mill	1	1 / 2009
DSRAU 7127-6WF	2.250,0 kW 11.000 V 993,0 min-1	F.L.Smidth A/S Aleppo - FLS Crusher	1	9 / 2008
DSRAU 6323-6WF	1.120,0 kW 11.000 V 994,0 min-1	F.L.Smidth A/S Aleppo - FLS Crusher	1	9 / 2008
DSRCN 7132-6WF	2.500,0 kW 6.600 V 993,0 min-1	ThyssenKrupp Industrial Kirefa SL - Polysius Mill	1	9 / 2008
DSRAN 7135-6WF	2.815,0 kW 6.600 V 994,0 min-1	ThyssenKrupp Industrial Kirefa SL - Polysius Fan	2	9 / 2008
DSSCN 8031-6WF	3.500,0 kW 6.600 V 994,0 min-1	ThyssenKrupp Industrial Kirefa SL - Polysius Mill	3	9 / 2008
DSRAN 4516-6WF	353,0 kW 6.600 V 987,0 min-1	ThyssenKrupp Industrial Kirefa SL - Polysius Fan	2	9 / 2008
DSRAS 4519-4WF	520,0 kW 11.000 V 1.485,0 min-1	Siemens AG Orascom - Siemens Erl. Fan	2	8 / 2008
DSSAS 5621-6WF	850,0 kW 11.000 V 993,0 min-1	Siemens AG Orascom - Siemens Erl. Crusher	2	8 / 2008
DSSAS 9034-6WF	4.900,0 kW 11.000 V 995,0 min-1	Siemens AG Orascom - Siemens Erl. Mill	1	8 / 2008
DSSAS 9040-6WF	5.300,0 kW 11.000 V 994,0 min-1	Siemens AG Orascom - Siemens Erl. Mill	2	8 / 2008
DSRAN 6326-8WF	1.400,0 kW 6.300 V 743,0 min-1	Elpro GmbH Nachtr. Dehloran - Elpro Fan	1	6 / 2008

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DSRAS 9034-6WF	4.800,0 kW 11.000 V 995,0 min-1	F.L.Smidth A/S Aleppo - FLS Mill	1	6 / 2008
DSRAS 9034-6WF	4.400,0 kW 11.000 V 996,0 min-1	F.L.Smidth A/S Aleppo - FLS Fan	1	6 / 2008
DSRAS 9034-6WF	4.600,0 kW 11.000 V 995,0 min-1	F.L.Smidth A/S Aleppo - FLS Mill	2	6 / 2008
DSSCJ 9036-12WF	3.200,0 kW 6.300 V 497,0 min-1	JSC Voskresensk cement Voskresensk Cement JSC Mill	1	3 / 2008
DSRAJ 6323-6WF	1.600,0 kW 6.300 V 993,0 min-1	JSC Uralcement package 2 - Uralcement - Mill	2	3 / 2008
DSRAJ 5627-6WF	1.250,0 kW 6.300 V 992,0 min-1	JSC Voskresensk cement package 3 - Voskresensk - Mill	2	3 / 2008
DSRAL 5023-6	660,0 kW 6.000 V 991,0 min-1	F.L.Smidth A/S Kokshe - FLS Crusher	1	3 / 2008
DSRAJ 8031-6	3.510,0 kW 6.000 V 993,0 min-1	F.L.Smidth A/S Kokshe - FLS Fan	1	3 / 2008
DSRCJ 8031-6	3.316,0 kW 6.000 V 995,0 min-1	F.L.Smidth A/S Kokshe - FLS Mill	1	3 / 2008
DSRAJ 7132-6	3.000,0 kW 6.000 V 993,0 min-1	F.L.Smidth A/S Kokshe - FLS Cement Mill	2	3 / 2008
DSRAN 5621-6WF	950,0 kW 6.300 V 991,0 min-1	F.L.Smidth A/S Sinai White II - FLS Fan	1	3 / 2008
DSRCN 4519-4WF	750,0 kW 6.300 V 1.480,0 min-1	F.L.Smidth A/S Sinai White II - FLS Mill	2	3 / 2008
DSRAN 8036-6WF	3.600,0 kW 6.300 V 994,0 min-1	F.L.Smidth A/S Sinai White II - FLS Mill	1	3 / 2008
DSRCJ 7135-8WF	2.800,0 kW 6.300 V 744,0 min-1	Limak Kurtalan Cimento San. Ve Tic. Limak - Kurtalan Mill	1	2 / 2008
DSRAE 7132-6WF	2.520,0 kW 3.300 V 994,0 min-1	Siemens AG Takli Thailand - Siemens Erl. Fan	1	2 / 2008
DSRAJ 6329-6WF	2.200,0 kW 6.000 V 993,0 min-1	Lafarge Cement S.A. Malogoszcz Cem.-Lafarge PL Mill	2	2 / 2008
DSKCJ 1040-8WF	7.000,0 kW 6.000 V 745,0 min-1	Siemens AG Butson Cement Vietn. - Siemens Cement Mill	1	2 / 2008
DSRCJ 7127-6WF	2.600,0 kW 6.000 V 993,0 min-1	Siemens AG Butson Cement Vietn. - Siemens Mill	1	2 / 2008
DSRAJ 7127-6WF	2.700,0 kW 6.000 V 993,0 min-1	Siemens AG Butson Cement Vietn. - Siemens Fan	1	2 / 2008
DSRAN 9034-6WF	4.600,0 kW 6.300 V 995,0 min-1	F.L.Smidth A/S D.G. Khan Cem./Pakistan - FLS Mill	1	2 / 2008

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DSRAJ 6323-6WF	1.600,0 kW 6.000 V 993,0 min-1	Carpatcement Holding SA Carpatcement Cement Mill	2	1 / 2008
DSRAJ 4018-6WF	315,0 kW 6.000 V 981,0 min-1	ABB Automation Systems TGB Trojanowo-ABB Cottbus Conveyor	2	1 / 2008
DSRAJ 6323-6WF	1.600,0 kW 6.300 V 993,0 min-1	SI-MA Mak.Elek.Elektronik Ins.Kimye Cimsa Eskisehir SI-MA Mill	1	12 / 2007
DSRAJ 5627-4WF	1.600,0 kW 6.000 V 1.492,0 min-1	F.L.Smith A/S Frankivskcement - FLS Crusher	1	12 / 2007
DSRAN 7135-6WF	3.150,0 kW 6.300 V 994,0 min-1	F.L.Smith A/S Barbetti - FLS Mill	1	11 / 2007
DSRAN 5023-6WF	850,0 kW 6.600 V 988,0 min-1	ThyssenKrupp Recource ThyssenKrupp Fördertechnik Fan	2	10 / 2007



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