POWERTECH

HIGH SPEED

SERIES

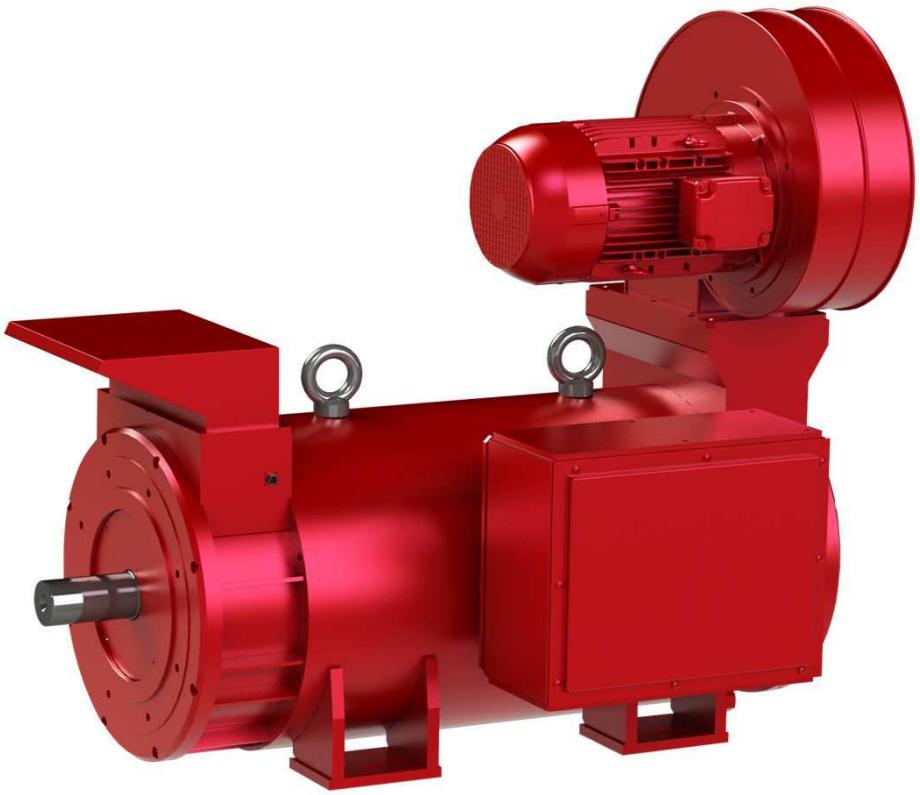
HIGH SPEED ASYNCHRONOUS MOTORS

RELIABILITY
HIGH EFFICIENCY
HIGH TORQUE/INERTIA RATIO
HIGH SPEED RANGE AND DYNAMIC
LOW INERTIA (4 poles)
VERY LOW INERTIA (2 poles)
SUITABLE FOR VECTOR DRIVES
IGBT COMPLIANT
WIDE RANGE OF CUSTOMIZATION AND OPTIONS

TYPICAL APPLICATIONS

TEST RIGS FOR MOTORS, ENGINES AND TRANSMISSIONS
HYDRAULIC PUMPS MOVEMENT
TEXTILE MACHINERY
COMPRESSORS
CENTRIFUGES

IP PROTECTION
IP23/IP21
COOLING METHOD
IC06



TECHNICAL SPECIFICATIONS

IP PROTECTION	IP23/IP21
THERMAL PROTECTION	KLIXON (PT100, PTC on request)
SHAFT EXTENSION	FITTED KEY (PLAIN SHAFT on request)
BALANCING	FULL KEY (HALF KEY on request)
VIBRATION GRADE	A
INSULATION CLASS	F
COOLING METHOD	IC06
AMBIENT CONDITIONS	0 ÷ 40°C (32 ÷ 104°F) 1000m ASL
TRANSDUCER	ENCODER OR RESOLVER (on request)
MOUNTING FORM	B3, B5, B35 by request
PAINTING	NITRO, POLYURETHANIC, on request

STANDARD WINDINGS DATA

TYPE	Poles	SHAFT HEIGHT	RATED POWER RANGE	RATED TORQUE RANGE	RATED SPEED RANGE	MAX MECH. SPEED *
	2p=	mm	kW	Nm	rpm	rpm
S4 TETRAVEC 100K	4	100	6 ÷ 50	23 ÷ 98	2000 ÷ 6000	Up to 12000
S4 TETRAVEC 132K	4	132	26 ÷ 140	93 ÷ 320	2000 ÷ 6000	Up to 10500
S4 TETRAVEC 160K	4	160	45 ÷ 161	280 ÷ 580	1300 ÷ 3000	Up to 9000
S6 TETRAVEC 200K	6	200	86 ÷ 266	600 ÷ 1300	1200 ÷ 2300	Up to 6500
S6 TETRAVEC 250K	6	250	140 ÷ 590	1200 ÷ 3000	1000 ÷ 2000	Up to 6000
S6 TETRAVEC 315LA	6	315	340 ÷ 1150	3000 ÷ 6000	1000 ÷ 2000	Up to 5000
RS4 TETRAVEC 200K	4	200	118 ÷ 280	440 ÷ 980	2400 ÷ 3000	Up to 7500
RS2 TETRAVEC 200K	2	200	114 ÷ 264	290 ÷ 650	3000 ÷ 4200	Up to 8500
RS4 TETRAVEC 250K	4	250	250 ÷ 660	870 ÷ 2330	2500 ÷ 3000	Up to 7000
RS2 TETRAVEC 250K	2	250	240 ÷ 660	560 ÷ 1550	3000 ÷ 4800	Up to 7500
RS4 TETRAVEC 315LA	4	315	560 ÷ 1230	1800 ÷ 4200	2200 ÷ 3500	Up to 6000
HS2 TETRAVEC 225	2	225	123 ÷ 200	230 ÷ 450	3300 ÷ 5900	Up to 10000
HS2 TETRAVEC 280	2	280	210 ÷ 450	480 ÷ 1100	3500 ÷ 4700	Up to 10000
HS2 TETRAVEC 355	2	355	345 ÷ 700	950 ÷ 1900	3000 ÷ 4700	Up to 9000

High performance bearings, radial or axial loads are not allowed. The max. mechanical speed have to be defined after evaluation of customer's requirements, incl. the mechanical features of his plant and the applied accessories.