

POWERTECH

**HIGH SPEED**

SERIES

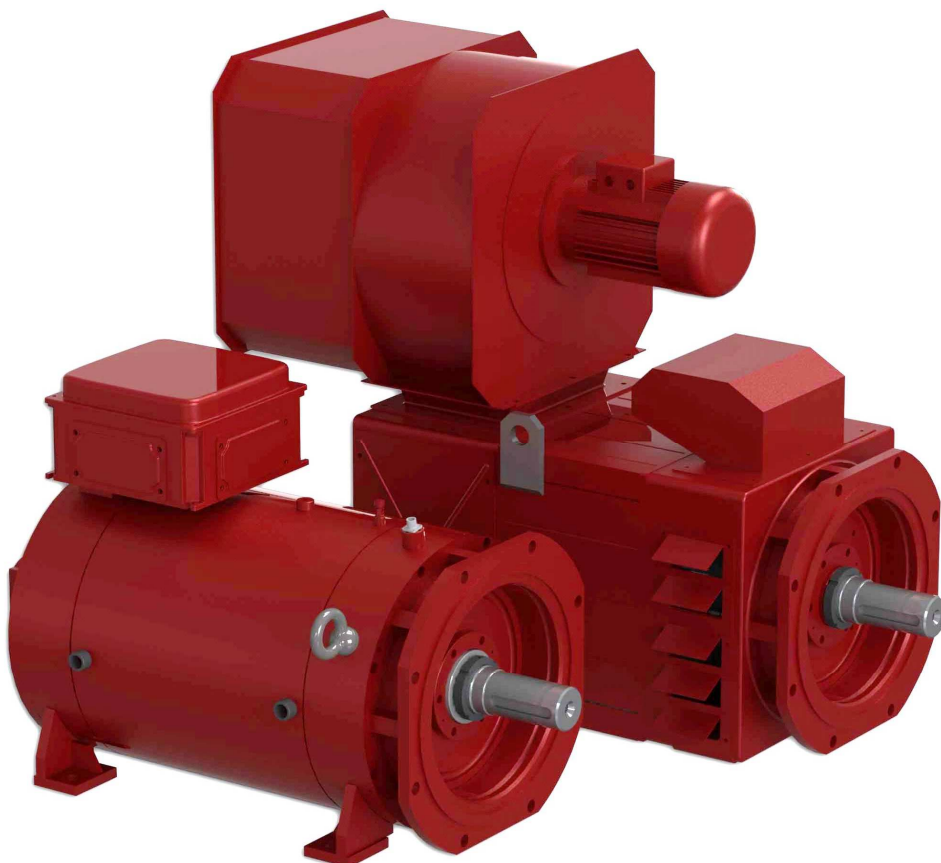
## HIGH SPEED ASYNCHRONOUS MOTORS

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 BENCHES FOR MOTORS AND  
TRANSMISSIONS  
HYDRAULIC PUMPS MOVEMENT  
TEXTILE MACHINERY  
COMPRESSORS  
CENTRIFUGES

IP PROTECTION  
**IP21** or **IP54**  
COOLING METHOD  
**IC 06** or **LIQUID**



## TECHNICAL SPECIFICATIONS

IP PROTECTION	IP21 (IP54 on request)
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 (B on request)
INSULATION CLASS	F
COOLING METHOD	IC06 (Liquid on request)
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, C5M, on request

## STANDARD WINDINGS DATA

TYPE	Poles 2p=	SHAFT HEIGHT mm	RATED POWER RANGE	RATED TORQUE RANGE Nm	RATED SPEED RANGE rpm	MAX MECH. SPEED rpm
2HS TETRAVEC 200L	2	200	100 - 180	260 - 465	3000 - 4600	7500 <sup>1</sup>
2HS TETRAVEC 250K	2	250	184 - 350	455 - 960	3000 - 4300	7500 <sup>1</sup>
2HS TETRAVEC 315L	2	315	360 - 610	925 - 2245	2600 - 4450	7500

Data referred to IP21 Version

<sup>1</sup> Max mechanical speed over 7500 rpm available on demand only