

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

RIG TEST FOR MOTORS AND TRANSMISSIONS  
HYDRAULIC PUMPS MOVEMENT  
TEXTILE MACHINERY  
COMPRESSORS  
CENTRIFUGES

IP PROTECTION

**IP21**

COOLING METHOD

**IC 06**



## TECHNICAL SPECIFICATIONS

IP PROTECTION	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, 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
S4 TETRAVEC 200L	4	200	82 - 157	385 - 635	1900 - 2630	7500
S2 TETRAVEC 200L	2	200	100 - 180	260 - 465	3000 - 4600	7500
S4 TETRAVEC 250K	4	250	147 - 315	690 - 1380	1800 - 2500	6500
S2 TETRAVEC 250K	2	250	184 - 350	455 - 960	3000 - 4300	6500
S4 TETRAVEC 315L	4	315	320 - 764	1500 - 3450	1720 - 2430	5000
S2 TETRAVEC 315L	2	315	360 - 610	925 - 2245	2600 - 4450	5000
HS2 TETRAVEC 225	2	225	100 - 180	260 - 465	3000 - 4600	10000
HS2 TETRAVEC 280	2	280	184 - 350	455 - 960	3000 - 4300	10000
HS2 TETRAVEC 355	2	355	360 - 610	925 - 2245	2600 - 4450	8500