

POWERTECH

DRIVE AX

SERIES

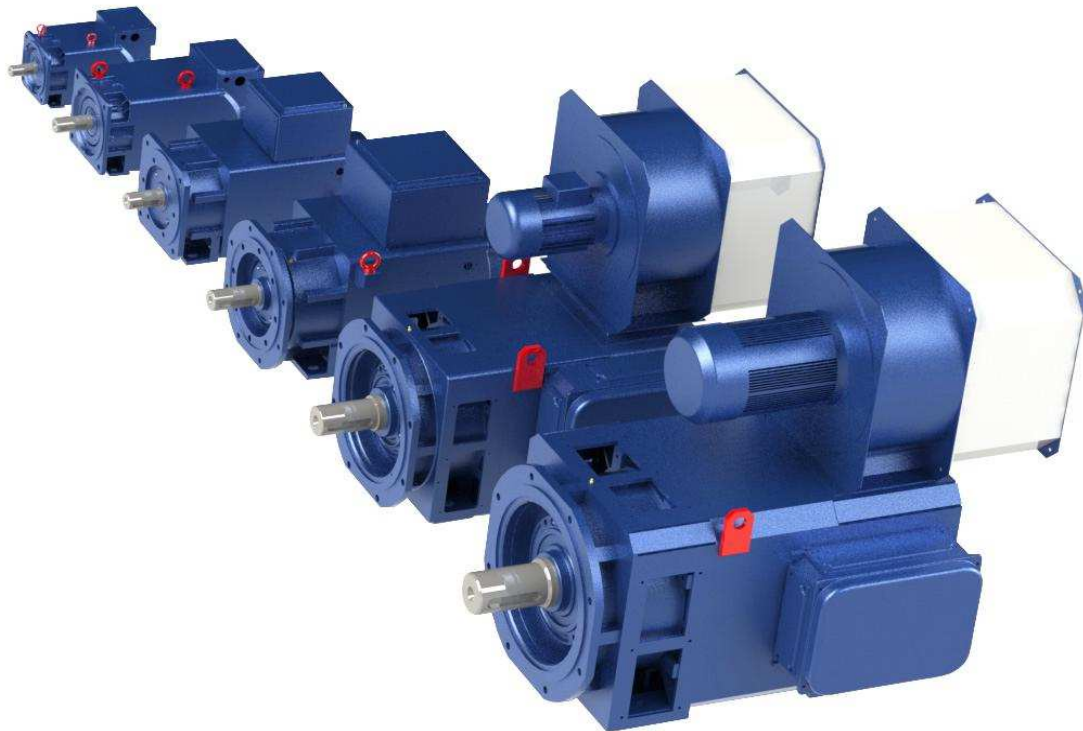
## ASYNCHRONOUS MOTORS

RELIABILITY  
HIGH EFFICIENCY  
LOW NOISE LEVEL  
GOOD TORQUE/WEIGHT RATIO  
WIDE CONSTANT POWER RANGE  
SUITABLE FOR VECTOR DRIVES  
WIDE RANGE OF CUSTOMIZATION AND  
OPTIONS

IP PROTECTION **IP54**  
COOLING METHOD **IC416**

### TYPICAL APPLICATIONS

MACHINE TOOLS  
COMPRESSORS  
TRACTION CONTROL  
FOOD BOXES EXTRUDERS  
WINDERS AND UNWINDERS  
PAPER AND CARDBOARD PRODUCTION  
MACHINERY  
PROCESSING AND CUTTING METAL PLATES  
METAL WIRE PROCESSING MACHINERY  
PLASTIC AND RUBBER EXTRUDERS  
LIFTING AND HANDLING SYSTEMS  
PACKAGING MACHINERY  
PRINTING MACHINERY  
TEXTILE MACHINERY



## TECHNICAL SPECIFICATIONS

IP PROTECTION	IP54
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	IC416 (or IC410 lower sizes)
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	COOLING METHOD	SHAFT HEIGHT	RATED POWER RANGE	RATED TORQUE RANGE	RATED SPEED RANGE	MAX MECH. SPEED
DRIVE AX		mm	kW	Nm	rpm	rpm
63C	IC410	63	0,19 - 1,63	2,1 - 4,8	700 - 4000	12000
63CS	IC416A	63	0,32 - 2,6	3,6 - 8,1	700 - 4000	12000
80C	IC410	80	0,51 - 5,0	5,9 - 13,4	700 - 4140	10000
80CS	IC416A	80	1,0 - 9,5	10,9 - 26	700 - 4650	10000
100K	IC416A	100	1,4 - 21,1	14,3 - 71,4	700 - 4620	9000 - 12000 <sup>1</sup>
132K	IC416A	132	5,6 - 56	51,1 - 200,6	700 - 4330	6500 - 10000 <sup>1</sup>
160L	IC416A	160	12 - 87	145,7 - 413	500 - 3260	5500 - 8000 <sup>1</sup>
200L	IC416A	200	20 - 123	247,3 - 725,9	500 - 3440	4500 - 6500 <sup>2</sup>
250K	IC416R	250	55 - 370	665 - 1760	500 - 2990	3500 - 6000 <sup>2</sup>
250KC	IC416R	250	75 - 385	720 - 1895	500 - 2990	3500
250K	IC416A	250	50 - 347	600 - 1570	500 - 3150	3500 - 6000 <sup>2</sup>
250KC	IC416A	250	54 - 362	650 - 1690	500 - 3150	3500
315L	IC416R	315	80 - 615	1600 - 4500	400 - 1500	3200 - 4500 <sup>2</sup>

<sup>1</sup> S4 Version

<sup>2</sup> S6 Version