

POWERTECH

FLUID AX
SERIES

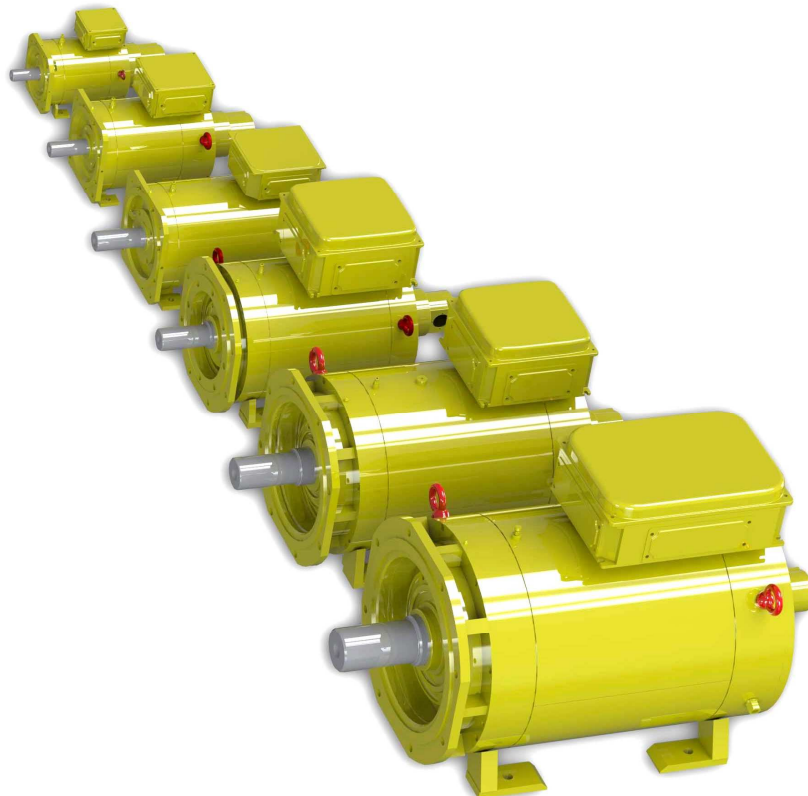
LIQUID COOLED ASYNCHRONOUS MOTORS

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

TYPICAL APPLICATIONS

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

IP PROTECTION **IP54 or IP55**
COOLING METHOD **LIQUID**



TECHNICAL SPECIFICATIONS

IP PROTECTION	IP54 (IP55 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	Liquid 20°C (68°F) + GLYCOL 20% Flow rate by size
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	FLOW RATE	SHAFT HEIGHT	RATED POWER RANGE	RATED TORQUE RANGE	RATED SPEED RANGE	MAX MECH. SPEED
FLUID AX	L/1'	mm	kW	Nm	rpm	rpm
100C	8	108	2,4 - 23-2	31,1 - 109,9	700 - 2000	9000 - 11000 ¹
132C	12	140	9,6 - 69	116 - 336	700 - 2000	6500 - 10000 ¹
160C	16	160	22 - 107	284 - 539	700 - 2000	5000 - 8000 ¹
200C	23	205	44 - 195	486 - 1063	700 - 2000	4000 - 6500 ²
250K	30	255	91 - 551	1034 - 2801	700 - 2000	3500 - 6000 ²
250KC	30	255	96 - 586	1100 - 2980	700 - 2000	3500
315C	48	320	108 - 915	1900 - 5650	400 - 2000	3200 - 4500 ²

¹ S4 Version

² S6 Version