

POWERTECH

PERMANENT MAGNETS SYNCHRONOUS MOTORS

HY

SERIES

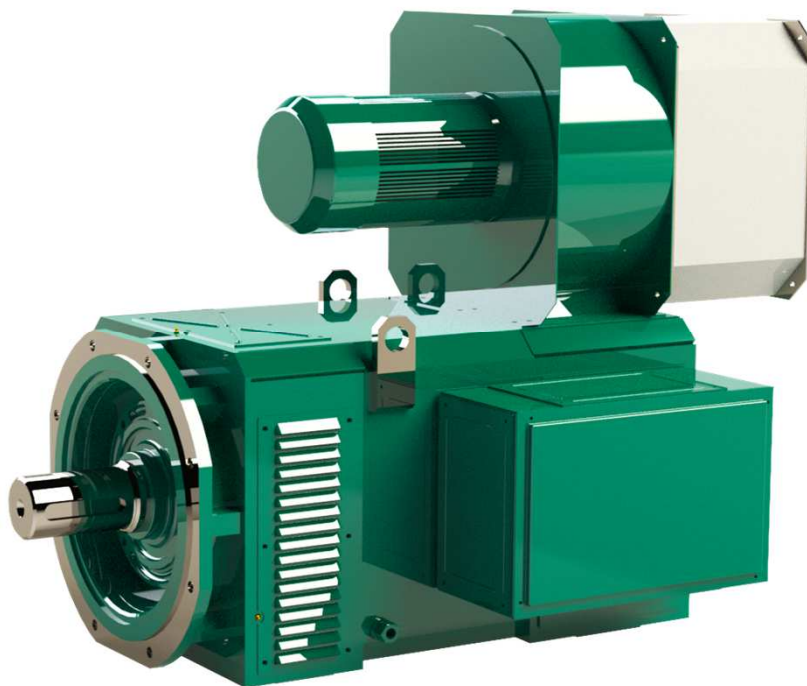
PERMANENT MAGNETS ASSISTED SYNCHRONOUS RELUCTANCE MOTORS

RELIABILITY
EXCELLENT POWER/WEIGHT RATIO
HIGH TORQUE/WEIGHT RATIO
HIGH EFFICIENCY
SUITABLE FOR VECTOR DRIVES
IGBT COMPLIANT
WIDE RANGE OF CUSTOMIZATION AND
OPTIONS

IP PROTECTION
IP54 or IP23
COOLING METHOD
IC416, IC06, LIQUID

TYPICAL APPLICATIONS

ENERGY RECOVERY SYSTEMS
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
TRACTION CONTROL



TECHNICAL SPECIFICATIONS

IP PROTECTION	IP54 or IP23
THERMAL PROTECTION	PT100 (and other 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, IC06, Liquid 20°C (68°F) + GLYCOL 20%
AMBIENT CONDITIONS	0 ÷ 40°C (32 ÷ 104°F) 1000m ASL
TRANSDUCER	ENCODER OR RESOLVER (on request)
MOUNTING FORM	B3, B5, B35, on request
PAINTING	NITRO, POLYURETHANIC, on request

STANDARD WINDINGS DATA

TYPE	PROTECTION & COOLING		PEAK TORQUE RANGE	RATED TORQUE RANGE	RATED POWER RANGE	RATED SPEED RANGE	MAXIMUM SPEED
			Nm	Nm	kW	rpm	rpm
HY6 DRIVE 80	IP54	IC416A	47 - 140	15 - 43	1,6 - 10,5	1000 - 2500	5500
HY6 DRIVE 100	IP54	IC416A	125 - 370	38 - 112	4 - 25	1000 - 2500	4500
HY8 DRIVE 132	IP54	IC416A	390 - 900	120 - 260	12,5 - 60	1000 - 2500	4000
HY8 DRIVE 160	IP54	IC416A	730 - 1630	240 - 540	20 - 100	800 - 2200	3300
HY6 DRIVE 200	IP54	IC416A	1500 - 3000	510 - 960	40 - 160	800 - 2000	2800
HY8 DRIVE 250	IP54	IC416R	3000 - 8400	1000 - 2500	65 - 380	600 - 1800	2400
HY8 DRIVE 315	IP54	IC416R	6300 - 16500	2100 - 5400	132 - 760	600 - 1800	2200
HY6 TETRAVEC 100	IP23	IC06	125 - 370	65 - 175	7 - 40	1000 - 2500	4500
HY8 TETRAVEC 132	IP23	IC06	390 - 900	215 - 475	22 - 110	1000 - 2500	4000
HY8 TETRAVEC 160	IP23	IC06	730 - 1630	370 - 820	32 - 150	800 - 2200	3300
HY6 TETRAVEC 200	IP23	IC06	1500 - 3000	900 - 1650	70 - 270	800 - 2000	2800
HY8 TETRAVEC 250	IP23	IC06	3000 - 8400	1600 - 4000	100 - 610	600 - 1800	2400
HY8 TETRAVEC 315	IP23	IC06	6300 - 16500	3500 - 9000	220 - 1270	600 - 1800	2200
HY6 FLUID 100	IP54	Liquid	125 - 370	60 - 170	6 - 38	1000 - 2500	4500
HY8 FLUID 132	IP54	Liquid	390 - 900	200 - 440	20 - 100	1000 - 2500	4000
HY8 FLUID 160	IP54	Liquid	730 - 1630	350 - 780	30 - 140	800 - 2200	3300
HY6 FLUID 200	IP54	Liquid	1500 - 3000	800 - 1500	60 - 250	800 - 2000	2800
HY8 FLUID 250	IP54	Liquid	3000 - 8400	1400 - 3500	90 - 530	600 - 1800	2400
HY8 FLUID 315	IP54	Liquid	6300 - 16500	2500 - 6400	160 - 900	600 - 1800	2200

All data outputs are referred to power converter clocking frequency (PWM) >4kHz