

ABB Industry Oy Machines		WINDING DATA			
Department/Prepared PHT1/Zs.Kovács	Date 1993-12-02	Lang. en	Ref. no 1937HC300	Rev. A	page No(pages) 1(1)

Machine type	HXR 355LA4
Serial no	4546220-221
Rated voltage	5500 V

Number of slots	48
Number of poles	4
Number of coils	48
Slots per pole and phase	4
Conductors in slots	$1 \times 18 + 1 \times 18 = 36$
Turns in each coil	18
Parallel conductors of a turn	1
Conductor dimensions (Cu), mm	8.00 x 1.00
Lenght of a coil, mm	1890
Connection/Branches	Y / 1
Coil pitch	10 / 12
Insul. class/Temp. rise class	F / B
Slot wedges	magnetic
Winding type	Two-layer diamond winding

ABB STRÖMBERG DRIVES OY
MACHINES
HELSINKI FINLAND
SQUIRREL CAGE MACHINE

DATE: 1993- 9- 9
HANDLED BY: Zs.Kovacs/PHT1
OUR REF: 1937HC300

4/5

PERFORMANCE DATA OF MOTOR

DRIVEN MACHINE: PUMP

Machine type Machine designation Mounting designation Protected by enclosure Method of cooling Insulation / Temp. rise Standards Ambient temperature Altitude	HXR 355LA4 EEx pe II T3 IM 3011 IP 55 IC 411 class F / class B IEC, EN 50016 40 °C < 1000 masl			
Rated output / Duty type Voltage / Frequency Rated current Rated speed Connection of st.winding Direction of rotation	160 kW / S1 5500 V / 50 Hz 21 A 1488 rpm star <---			
Relat. starting current Relat. starting torque Relat. maximum torque No load current Rated torque	5.5 0.7 2.0 7 A 1025 Nm			
Load characteristics	Load	current	eff.	p.f.
	100 %	A	%	
	75 %	21	95.3	0.85
	50 %	16	95.0	0.82
	25 %	12	93.9	0.74
		9	89.8	0.54
Rotor / Load inertia, J Starting time Max. stall. time from warm condition	6.5 kgm ² / 4.8 kgm ² 2.5 s (U=Un) 5.3 s (U=0.85Un) 10 s			