



Test Report				Date of issue: 10.12.2011						
Customer: ABB OY				Serial No.: 3GF11094696						
Customer ref.: 4207933				Order No.: 600318-7			Type: M3BP 315LKC 4 IMB3/IM1001			
				Product Code: 3GBP312830-ADK222						
Rating:										
		V	Hz	kW	r/min	A	cos φ	Duty		
3-Motor		690	Y 50	250	1491	249	0,87	S1		
Insul.cl.F		400	D 50	250	1491	429	0,87	S1		
IP55		415	D 50	250	1491	423	0,85	S1		
Eff class IE3		50Hz : IE3 - 96.6(100%) - 96.6(75%) - 96.4(50%)								
Resistance				Insulation resistance at 48,0 °C				Overload		
Line		Ambient: 21,5 °C		11000 MΩ		1000 V		Torque 160 % 15s		
U <sub>1</sub> - V <sub>1</sub>		0,00813 Ω								
U <sub>1</sub> - W <sub>1</sub>		0,00814 Ω								
V <sub>1</sub> - W <sub>1</sub>		0,00814 Ω								
				High-voltage test winding			2400 V		60 s	
Test	Torque [Nm]	Line U[V]	f[Hz]	Input I[A]	P1 [kW]	Output P2 [kW]	n[r/min]	cos φ	η [%]	
No load test		400,0 D	50	142,4	2,11		1500	0,02		
Locked rotor test		66,4 D	50	429,0	13,3		0	0,27		
Thermal test ( 100% load )	1601,0	400,2 D	50	432,3	258,1	250,0	1490	0,86	96,9	
Partial load points:										
~75% load	1202,0	400,1 D	50	336,7	193,1	187,5	1493	0,83	97,1	
~50% load	800,5	400,1 D	50	249,7	128,8	125,0	1495	0,75	97,0	
~25% load	399,0	400,2 D	50	178,9	65,3	62,5	1498	0,53	95,8	
Temperature rise at rated load.				°C	K	Method		Measurement method		
Stator winding :				58,2	1			1 Resistance		
Frame :				31,6	2			2 Thermometer		
Bearing D-end :				45,5	2			3 Thermocouples		
Rotor :				82,1	3					
Ambient Temperature :		25,0			2					
Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.										
On behalf of customer										
On behalf of manufacturer		Date of test		5.12.2011						
Tested by ABB Oy, Motors and Generators, Vaasa, Finland						Telephone +358 10 2211		Telefax +358 10 22 47372		

Computer print-out valid without signature.