



Type Test Report				Date of issue: 24.8.2015																																																
Customer:				Serial No.:																																																
Customer ref.:				Type: M3BP 180MLB 6 Product Code: 3GBP183420-ADG																																																
Rating:				<table border="1"> <thead> <tr> <th>V</th> <th>Hz</th> <th>kW</th> <th>r/min</th> <th>A</th> <th>cos φ</th> <th>Duty</th> </tr> </thead> <tbody> <tr> <td>690</td> <td>Y 50</td> <td>18,5</td> <td>975</td> <td>21,6</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>400</td> <td>D 50</td> <td>18,5</td> <td>975</td> <td>37,2</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>415</td> <td>D 50</td> <td>18,5</td> <td>978</td> <td>36,7</td> <td>0,77</td> <td>S1</td> </tr> <tr> <td>440</td> <td>D 60</td> <td>18,5</td> <td>1177</td> <td>33,4</td> <td>0,79</td> <td>S1</td> </tr> <tr> <td>460</td> <td>D 60</td> <td>18,5</td> <td>1180</td> <td>32,3</td> <td>0,78</td> <td>S1</td> </tr> </tbody> </table>							V	Hz	kW	r/min	A	cos φ	Duty	690	Y 50	18,5	975	21,6	0,79	S1	400	D 50	18,5	975	37,2	0,79	S1	415	D 50	18,5	978	36,7	0,77	S1	440	D 60	18,5	1177	33,4	0,79	S1	460	D 60	18,5	1180	32,3	0,78	S1
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Eff class IE2				50Hz : IE2 - 90,7%(100%) - 92,0%(75%) - 92,0%(50%) 60Hz : IE2 - 91,9%(100%)																																																
Resistance Line				Ambient: 23,0 °C			Insulation resistance at 23 °C		Overload																																											
U ₁ - V ₁				0,32280 Ω			R > 2000 Mohm 1000 V		Current 150 % 120s																																											
U ₁ - W ₁				0,32130 Ω					Torque 160 % 15s																																											
V ₁ - W ₁				0,32190 Ω					Speed 120 % 120s																																											
				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		400,3 D	50	16,5	0,6		1000	0,05																																												
Locked rotor test		100,3 D	50	39,4	2,20			0,31																																												
Thermal test (100% load)	180,8	400 D	50	37,3	20,40	18,50	977	0,79	90,80																																											
Partial load points:																																																				
~75% load	134,9	400 D	50	29,7	15,20	13,90	984	0,74	91,50																																											
~50% load	89,7	400 D	50	23,2	10,10	9,30	991	0,63	91,20																																											
~25% load	44,1	400 D	50	18,3	5,30	4,60	996	0,42	87,30																																											
Temperature rise at rated load.				[°C]	[K]	Method		Measurement method																																												
Stator winding :				57,5	1			1 Resistance																																												
Frame :				40,0	2			2 Thermometer																																												
Bearing D-end :				28,8	2			3 Thermocouples																																												
Ambient Temperature :				23	2																																															
<p>These tests have been carried out on motor no. 3GV1210923140001, on date 2012-05-23 which is identical in electrical design with the above.</p> <p>Manufactured and tested in accordance with rules of IEC 60034-1 and IEC 60034-2-1. PLL determined from residual loss.</p> <p>On behalf of customer</p> <p>On behalf of manufacturer Date of test</p> <p>Tested by ABB AB, LV Motors, 721 70 Västerås, Sweden</p> <p style="text-align: right;">Telephone +46 (0)21 32 90 00 Telefax +46 (0)21 32 90 22</p>																																																				

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