APPENDICES

Appendix A : Motor specification

The induction motor used throughout this thesis had the following specifications.All parameters are referred to the stator.The stator and rotor resistances vary with temprature, the inductances vary with saturation level and the values given are only approximate.

Motor type, 3-phase Induction Motor,

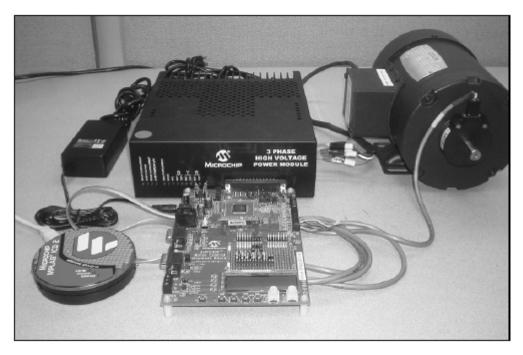Rotor type, Squirrel Cage,

50 hp, 1720 rpm, 460V,

60HZ, 4poles, $R_s = 0.087\Omega$

$R_r = 0.228\Omega$ $L_s = 0.8mH$ $L_r = 0.8mH$ $L_m = 34.7mH$,

$J_n = 1.66Kg.m^2$, Friction $F = 0.1N.m.s$

Appendix B : Microchip Hardware

HARDWARE SETUP USING dsPICDEM MOTOR CONTROL DEVELOPMENT SYSTEM from Microchip Technology Inc.

Hardware and the motor as example

Appendix C :