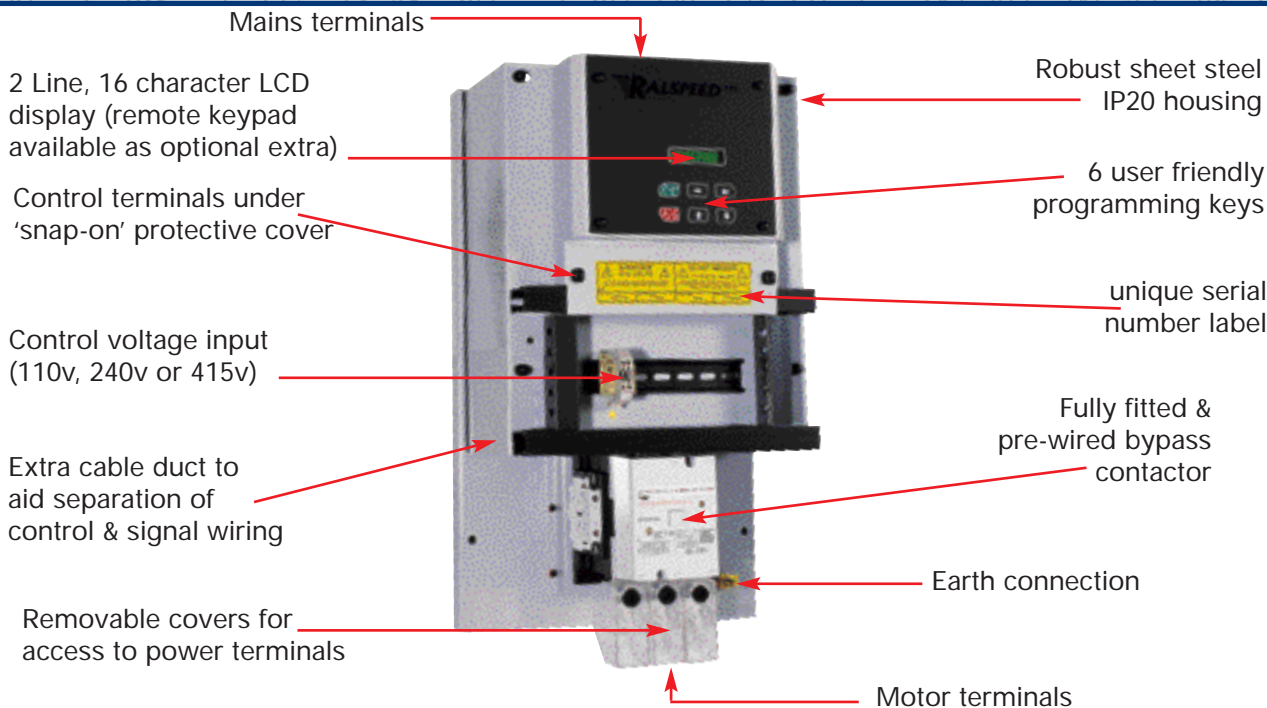


TQM2KB-75 to TQM2KB-110

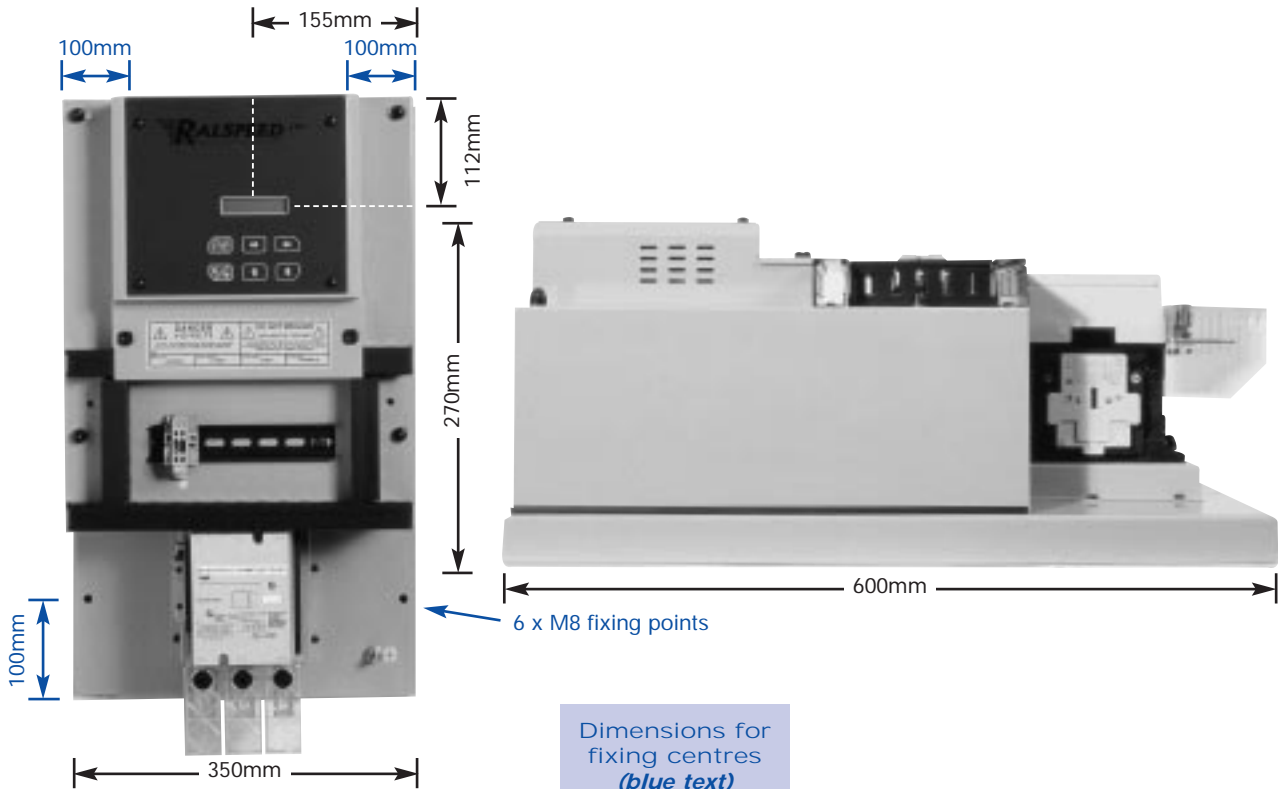
IP20 chassis version soft start unit for bypass duty, contactor to be supplied and fitted by Ralspeed



Technical Data	Ratings		
KW rating	75	90	110
Mains power (R, S, T)	110vAC to 415vAC +10%-10% (690v available as standard option)		
Current rating (Amps) at 380v	138	170	205
Control supply L1 & L2 (on PCB)	110v / 220v / 440v User selectable and fully fused		
Accel / Decel time – (Voltage ramp)	1 to 240 seconds independently adjustable		
Current limitation details	Max current limit 600% of full load current Ramp to limit 1-10 sec, Current time out 10-60 sec		
Starting torque	25% to 70% of mains voltage – 5% steps		
Stopping torque	25% to 100% of mains voltage – 5% steps		
Torque boost (kick start)	70% of mains voltage adjustable from 200ms to 2sec		
Max switching cycle	12 even starts per hour with override in engineers menu		
Dimensions H x W x D (in mm)	600 x 350 x 270		
Weights Kg (approximately & unpacked)	30	30	30
Power Terminals - (hole size in sq mm)	8	8	8
Ambient / Storage temperature	0°C 45°C / -22°C 75°C		
Programmable Relays	Overload, Underload, Thermistor, Service Over, Phase Fault, Firing Fault, External Trip, Overload Pre-alarm, Shearpin, Too many starts, Brake time over & Top of ramp		
Programmable Inputs	Inch, Reset Run Hours, External Trip, Brake Stop, Ramp Hold, Start Delay, Soft Stop, Local/Remote, Em Stop, Reset & Heatsink over Temperature		
Protection	Electronic Overload with 5 Selectable Curves, Underload, Thermistor Trip Circuit, Phase Fault, Thyristor Fault, Overload Pre-Alarm Too many starts, Emergency stop input & electronic "Shearpin"		
Information Screens	Motor Running - Time & Date, Ambient Temperature, Motor Amps (both digital & bar graph), 1000 Event Data-log (Downloadable), Service Interval & Run Hours		

Note: Due to continuous improvement & development, sizes & specification may change without notice - always check with factory before ordering.

TQM2KB-75 to TQM2KB-110



Dimensions for fixing centres
(blue text)

GENERAL WIRING SCHEMATIC FOR TQM2KB VERSION
(IP20 CHASSIS VERSION C/W BYPASS CONTACTOR)

