



**SCATTERGOOD & JOHNSON LTD**



ELECTRICAL ENGINEERING AND FLUID CONTROL DISTRIBUTORS

# Control Techniques

## Mentor II Digital Variable Speed DC Drives

- \* User configurable analogue and digital drive inputs
- \* Easy to use PC configuration software, MENTORSOFT
- \* Regeneration up to 1.15 x VRMS
- \* Available in Single or Four Quadrant
- \* Armature voltage, tacho or encoder feedback
- \* 150% overload capacity for 30seconds with motor overload protection
- \* On board field control with loss detection



### MENTOR II : SINGLE QUADRANT DC DRIVE

Part No.	Price	Motor rating @ 400VDC		Max continuous current rating		Max Field Current Rating / A	Three Phase Input Line Reactor (one required per drive)		
		kW	Hp	AC Input	DC Output		Part No.	Price	Type
M25	Refer	7.5	10	21	25	8	D33085	P.O.A.	37A 200µH
M45	P.O.A.	15	20	38	45	8	D33085	P.O.A.	37A 200µH
M75	P.O.A.	30	40	60	75	8	D33086	P.O.A.	90A 100µH
M105	Refer	37.5	50	88	105	8	D33086	P.O.A.	90A 100µH
M155	Refer	56	75	130	155	8	D33087	P.O.A.	140A 75µH
M210	Refer	75	100	175	210	8	D33088	P.O.A.	180A 75µH

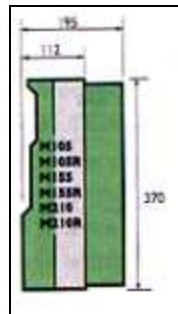
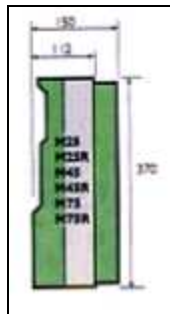
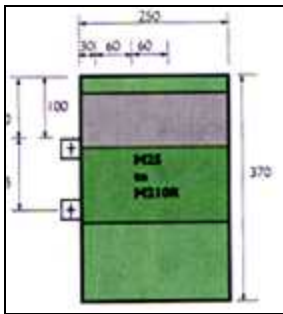
\* LARGER DRIVES AVAILABLE ON REQUEST

### MENTOR II : FOUR QUADRANT DC DRIVE

Part No.	Price	Motor rating @ 400VDC		Max continuous current rating		Max Field Current Rating / A	Three Phase Input Line Reactor (one required per drive)		
		kW	Hp	AC Input	DC Output		Part No.	Price	Type
M25R	Refer	7.5	10	21	25	8	D33085	P.O.A.	37A 200µH
M45R	P.O.A.	15	20	38	45	8	D33085	P.O.A.	37A 200µH
M75R	P.O.A.	30	40	60	75	8	D33086	P.O.A.	90A 100µH
M105R	Refer	37.5	50	88	105	8	D33086	P.O.A.	90A 100µH
M155R	Refer	56	75	130	155	8	D33087	P.O.A.	140A 75µH
M210R	P.O.A.	75	100	175	210	8	D33088	P.O.A.	180A 75µH

\* LARGER DRIVES AVAILABLE ON REQUEST

\* Items marked with an asterisk are generally non-stock items, normal delivery 2-3 days



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