Power Supplies

POWER SUPPLY CIRCUIT UTILIZATION - 24V MDRs
A002PS-10065A, 24V/40A, INTERROLL HP5424

MDR Selection		Zero Pressure Accumulation / System Configuration							
		Singulation		Slug / Live		Singulation + Brakes*		Slug + Brakes*	
		Per 20A Circuit	Per 40A Supply	Per 20A Circuit	Per 40A Supply	Per 20A Circuit	Per 40A Supply	Per 20A Circuit	Per 40A Supply
EC5000 20W		17	34	13	26	10	20	8	16
EC5000 35W		15	30	11	22	9	18	7	14
EC5000 50W		11	22	8	16	7	14	6	12
PM486FE-60	> 150 fpm	11	22	8	16	8	16	6	12
	100 - 150 fpm	12	24	9	18	8	16	6	12
	< 100 fpm	17	34	13	26	10	20	8	16
PM486FE-100	> 150 fpm	11	22	9	18	8	16	8	16
	100 - 150 fpm	14	28	10	20	8	16	9	18
	< 100 fpm	14	28	10	20	8	16	9	18
PM486FP-55	> 150 fpm	9	18	7	14	6	12	5	10
	100 - 150 fpm	11	22	9	18	7	14	6	12
	< 100 fpm	15	30	12	24	9	18	8	16
PM486XK		19	38	15	30	10	20	9	18
PM486XC		16	32	13	26	9	18	8	16

*When brake rollers are used, additional current draw is required to disengage mechanical brake during normal motor operation

UNITS PER POWER SUPPLY - 48V MODEL TYPES
A002PS-10066A, 48V/20A, INTERROLL HP5448

Model	Recommended Units
HRT (High Rate Transfer)	2
2-Motor PWD (Pivot Wheel Divert)	2
4-Motor PWD (Pivot Wheel Divert)	1
BRBDC (DC Belted Roller Bed)	2
DC Merge	1
Teknic Driven DC Curve ≤ 45°	4
Teknic Driven DC Curve ≥ 60°	2
Teknic Driven DC Spur	2

Heavy product or inclines will require more conservative rules.

All information and calculations in the Power Supply Circuit Utilization – 24V MDRs table are based on typical applications.

Last revised August 2021.