

The following table provides drive efficiency data for Fuji Electric's **FRENIC-MEGA** series drives for **Low Duty** applications.

FRENIC MEGA- Low Duty				
Voltage	HP	Drive Model Number	Drive Efficiency @ rated load	
			Low carrier frequency	High carrier frequency
Three phase 230VAC	0.5	FRNF50G1S-2U	92.7%	90.8%
	1	FRN001G1S-2U	94.3%	93.3%
	2	FRN002G1S-2U	95.4%	93.8%
	3	FRN003G1S-2U	95.7%	94.6%
	5	FRN005G1S-2U	96.0%	95.1%
	7.5	FRN007G1S-2U	95.5%	94.3%
	10	FRN010G1S-2U	96.6%	95.7%
	15	FRN015G1S-2U	96.8%	95.7%
	20	FRN020G1S-2U	97.1%	96.1%
	25	FRN025G1S-2U	97.0%	96.1%
	30	FRN030G1S-2U	96.9%	96.2%
	40	FRN040G1S-2U	96.7%	96.4%
	50	FRN050G1S-2U	96.1%	95.9%
	60	FRN060G1S-2U	96.8%	96.4%
	75	FRN075G1S-2U	97.1%	96.9%
Three phase 460VAC	0.5	FRNF50G1S-4U	92.7%	88.1%
	1	FRN001G1S-4U	94.9%	91.2%
	2	FRN002G1S-4U	96.5%	93.8%
	3	FRN003G1S-4U	96.9%	94.7%
	5	FRN005G1S-4U	96.9%	94.7%
	7.5	FRN007G1S-4U	96.7%	94.3%
	10	FRN010G1S-4U	97.5%	95.7%
	15	FRN015G1S-4U	97.6%	95.9%
	20	FRN020G1S-4U	97.9%	96.5%
	25	FRN025G1S-4U	97.8%	96.4%
	30	FRN030G1S-4U	98.0%	96.6%
	40	FRN040G1S-4U	97.9%	96.2%
	50	FRN050G1S-4U	97.6%	97.0%
	60	FRN060G1S-4U	97.6%	97.0%
	75	FRN075G1S-4U	97.8%	97.3%
	100	FRN100G1S-4U	97.7%	97.2%
	125	FRN125G1S-4U	98.1%	97.9%
	150	FRN150G1S-4U	98.2%	98.0%
	200	FRN200G1S-4U	98.4%	98.2%
	250	FRN250G1S-4U	98.6%	98.4%
300	FRN300G1S-4U	98.5%	98.3%	
350	FRN350G1S-4U	98.6%	98.4%	
450	FRN450G1S-4U	98.5%	98.4%	
500	FRN500G1S-4U	98.5%	98.3%	
600	FRN600G1S-4U	98.5%	98.4%	
700	FRN700G1S-4U	98.6%	98.5%	
800	FRN800G1S-4U	98.6%	98.5%	
900	FRN900G1S-4U	98.5%	98.3%	
1000	FRN1000G1S-4U	98.4%	98.4%	

Note:

The carrier frequency is programmable, via parameter F26, refer to FRENIC-MEGA instruction manual INR-SI47-1457a-E on page 5-4.

The following table provides drive efficiency data for Fuji Electric's **FRENIC-MEGA** series drives for **Medium Duty** applications.

FRENIC MEGA- Medium Duty			
Voltage	HP	Drive Model Number	Drive Efficiency @ rated load
			Low carrier frequency
Three phase 460VAC	150	FRN150G1S-4U	99.4%
	200	FRN200G1S-4U	99.6%
	250	FRN250G1S-4U	99.6%
	300	FRN300G1S-4U	99.7%
	350	FRN350G1S-4U	99.7%
	350	FRN450G1S-4U	99.7%
	450	FRN500G1S-4U	99.8%
	500	FRN600G1S-4U	99.8%
	600	FRN700G1S-4U	99.9%
	700	FRN800G1S-4U	99.9%

Note:

The carrier frequency is programmable, via parameter F26, refer to FRENIC-MEGA instruction manual INR-SI47-1457a-E on page 5-4.

The following table provides drive efficiency data for Fuji Electric's **FRENIC-MEGA** series drives for **High Duty** applications.

FRENIC MEGA- High Duty				
Voltage	HP	Drive Model Number	Drive Efficiency @ rated load	
			Low carrier frequency	High carrier frequency
Three phase 230VAC	0.5	FRNF50G1S-2U	92.7%	90.8%
	1	FRN001G1S-2U	94.3%	93.3%
	2	FRN002G1S-2U	95.4%	93.8%
	3	FRN003G1S-2U	95.7%	94.6%
	5	FRN005G1S-2U	96.0%	95.1%
	7.5	FRN007G1S-2U	96.2%	95.2%
	7.5	FRN010G1S-2U	96.2%	95.2%
	10	FRN015G1S-2U	96.5%	95.2%
	15	FRN020G1S-2U	96.4%	95.2%
	20	FRN025G1S-2U	96.9%	96.0%
	25	FRN030G1S-2U	96.9%	96.0%
	30	FRN040G1S-2U	96.9%	95.9%
	40	FRN050G1S-2U	96.2%	95.8%
	50	FRN060G1S-2U	96.9%	96.4%
	60	FRN075G1S-2U	97.2%	96.9%
Three phase 460VAC	75	FRN100G1S-2U	97.2%	97.0%
	100	FRN125G1S-2U	97.3%	97.0%
	125	FRN150G1S-2U	97.3%	97.0%
	0.5	FRNF50G1S-4U	92.7%	88.1%
	1	FRN001G1S-4U	94.9%	91.2%
	2	FRN002G1S-4U	96.5%	93.8%
	3	FRN003G1S-4U	96.8%	94.6%
	5	FRN005G1S-4U	96.9%	94.7%
	7.5	FRN007G1S-4U	97.3%	95.3%
	7.5	FRN010G1S-4U	97.3%	95.3%
	10	FRN015G1S-4U	97.3%	95.4%
	15	FRN020G1S-4U	97.6%	95.9%
	20	FRN025G1S-4U	97.9%	96.5%
	25	FRN030G1S-4U	97.9%	96.4%
	30	FRN040G1S-4U	98.0%	96.4%
	40	FRN050G1S-4U	97.7%	96.7%
	50	FRN060G1S-4U	97.6%	96.6%
	60	FRN075G1S-4U	97.8%	96.9%
	75	FRN100G1S-4U	97.8%	96.9%
	100	FRN125G1S-4U	98.1%	97.5%
	125	FRN150G1S-4U	98.2%	97.6%
150	FRN200G1S-4U	98.2%	97.6%	
200	FRN250G1S-4U	98.5%	98.1%	
250	FRN300G1S-4U	98.5%	98.1%	
300	FRN350G1S-4U	98.5%	98.0%	
350	FRN450G1S-4U	98.5%	98.1%	
400	FRN500G1S-4U	98.4%	98.0%	
450	FRN600G1S-4U	98.4%	98.0%	
500	FRN700G1S-4U	98.5%	98.0%	
600	FRN800G1S-4U	98.6%	98.1%	
800	FRN900G1S-4U	98.6%	98.4%	
900	FRN1000G1S-4U	98.4%	98.3%	

Note:

The carrier frequency is programmable, via parameter F26, refer to FRENIC-MEGA instruction manual INR-SI47-1457a-E on page 5-4.